#### **ALTEX COATINGS LTD**

Chemwatch: 9-35783 Version No: 2.4

Safety Data Sheet according to HSNO Regulations

Chemwatch Hazard Alert Code: 3

Issue Date: **04/10/2013**Print Date: **16/01/2014**S.GHS.NZL.EN

#### SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

#### **Product Identifier**

| Product name                  | Altex Altra~Build 520 Base   |
|-------------------------------|--|
| Chemical Name                 | Not Applicable   |
| Synonyms                      | Not Available  |
| Proper shipping name          | PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound) |
| Chemical formula              | Not Applicable   |
| Other means of identification | Not Available  |
| CAS number                    | Not Applicable   |

#### Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses

Use according to manufacturer's directions. Part A of a two component epoxy coating

#### Details of the supplier of the safety data sheet

| Registered company name | ALTEX COATINGS LTD                                  |  |
|-------------------------|---|--|
| Address                 | 91-111 Oropi Road 3112 Bay of Plenty New<br>Zealand |  |
| Telephone               | +64 7 5411974                                       |  |
| Fax                     | +64 7 5411310                                       |  |
| Website                 | Not Available                                       |  |
| Email                   | neil.debenham@carboline.co.nz                       |  |

#### **Emergency telephone number**

| Association / Organisation        | NZ Poisons Centre (0800-1630hr Mon-Fri) |  |  |  |
|-----------------------------------|---|--|--|--|
| Emergency telephone numbers       | 0800 764766                             |  |  |  |
| Other emergency telephone numbers | 0800 764766                             |  |  |  |

#### CHEMWATCH EMERGENCY RESPONSE

| Primary Number | Alternative Number 1 | Alternative Number 2 |
|----------------|----------------------|----------------------|
| +800 2436 2255 | +612 9186 1132       | Not Available        |

Once connected and if the message is not in your prefered language then please dial 01

## **SECTION 2 HAZARDS IDENTIFICATION**

# Classification of the substance or mixture

Considered a Hazardous Substance according to the criteria of the New Zealand Hazardous Substances New Organisms legislation.

| GHS Classification <sup>[1]</sup>               | Flammable Liquid Category 2, Acute Toxicity (Inhalation) Category 4, Skin Corrosion/Irritation Category 2, Eye Irritation Category 2A, Skin Sensitizer Category 1, STOT - SE Category 2, STOT - SE (Resp. Irr.) Category 3, STOT - RE Category 2 |  |
|---|--|--|
| Legend:   | 1. Classified by Chemwatch; 2. Classification drawn from CCID EPA NZ; 3. Classification drawn from EC Directive 1272/2008 - Annex VI   |  |
| Determined by Chemwatch using GHS/HSNO criteria | 3.1B, 6.1D (inhalation), 6.3A, 6.4A, 6.5B (contact), 6.9 (respiratory), 6.9B (inhalation)  |  |

## Label elements

GHS label elements







SIGNAL WORD

DANGER

Chemwatch: 9-35783 Page 2 of 10

Version No: 2.4

Page 2 of 10 Issue Date: 04/10/2013

Altex Altra~Build 520 Base Print Date: 16/01/2014

# Hazard statement(s)

| H225 | Highly flammable liquid and vapour                                |
|------|---|
| H332 | Harmful if inhaled  |
| H315 | Causes skin irritation  |
| H319 | Causes serious eye irritation                                     |
| H317 | May cause an allergic skin reaction                               |
| H371 | May cause damage to organs  |
| H335 | May cause respiratory irritation                                  |
| H373 | May cause damage to organs through prolonged or repeated exposure |

## Supplementary statement(s)

Not Applicable

## Precautionary statement(s): Prevention

| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. |  |  |
|------|--|--|--|
| P260 | Do not breathe dust/fume/gas/mist/vapours/spray.                                   |  |  |
| P271 | Use only outdoors or in a well-ventilated area.                                    |  |  |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection.         |  |  |
| P270 | Do not eat, drink or smoke when using this product.                                |  |  |
| P240 | Ground/bond container and receiving equipment.                                     |  |  |
| P241 | Use explosion-proof electrical/ventilating/lighting/intrinsically safe equipment.  |  |  |
| P242 | Use only non-sparking tools.   |  |  |
| P243 | Take precautionary measures against static discharge.                              |  |  |
| P272 | Contaminated work clothing should not be allowed out of the workplace.             |  |  |

## Precautionary statement(s): Response

| P321           | Specific treatment (see advice on this label).                             |  |  |
|----------------|--|--|--|
| P370+P378      | In case of fire: Use to extinguish.  |  |  |
| P302+P352      | IF ON SKIN: Wash with plenty of water and soap                             |  |  |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes.               |  |  |
| P308+P311      | IF exposed or concerned: Call a POISON CENTER/doctor/physician/first aider |  |  |
| P312           | Call a POISON CENTER/doctor/physician/first aider/if you feel unwell.      |  |  |
| P333+P313      | If skin irritation or rash occurs: Get medical advice/attention.           |  |  |
| P337+P313      | If eye irritation persists: Get medical advice/attention.                  |  |  |
| P362+P364      | Take off contaminated clothing and wash it before reuse.                   |  |  |
| P303+P361+P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing.      |  |  |
| P304+P340      | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |  |  |

# Precautionary statement(s): Storage

| P403+P235 | Store in a well-ventilated place. |
|-----------|-----------------------------------|
| P405      | Store locked up.                  |
| P403+P233 | Store in a well-ventilated place. |

#### Precautionary statement(s): Disposal

**P501** Dispose of contents/container to authorised chemical landfill or if organic to high temperature incineration

# SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

#### Substances

See section below for composition of Mixtures

## Mixtures

| CAS No     | %[weight] | Name  |  |
|------------|-----------|---|--|
| 25036-25-3 | 20-30     | bisphenol A/ bisphenol A diglycidyl ether polymer |  |
| 14807-96-6 | 10-20     | Nicron 402 (talc)                                 |  |
| 1330-20-7  | 1-10      | xylene  |  |
| 108-88-3   | 1-10      | toluene   |  |
| 78-83-1    | 1-10      | <u>isobutanol</u>                                 |  |
| 108-10-1   | 1-10      | methyl isobutyl ketone                            |  |
| 123-86-4   | 1-10      | n-butyl acetate                                   |  |
|            |           |   |  |

Issue Date: **04/10/2013**Print Date: **16/01/2014** 

#### **SECTION 4 FIRST AID MEASURES**

NZ Poisons Centre 0800 POISON (0800 764 766) | NZ Emergency Services: 111

#### Description of first aid measures

| Eye Contact  | If this product comes in contact with the eyes:  Wash out immediately with fresh running water.  Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.  Seek medical attention without delay; if pain persists or recurs seek medical attention.  Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.   |
|--------------|---|
| Skin Contact | If skin contact occurs:  Immediately remove all contaminated clothing, including footwear.  Flush skin and hair with running water (and soap if available).  Seek medical attention in event of irritation.   |
| Inhalation   | <ul> <li>If fumes or combustion products are inhaled remove from contaminated area.</li> <li>Lay patient down. Keep warm and rested.</li> <li>Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures.</li> <li>Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary.</li> <li>Transport to hospital, or doctor.</li> </ul>             |
| Ingestion    | <ul> <li>If swallowed do NOT induce vomiting.</li> <li>If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.</li> <li>Observe the patient carefully.</li> <li>Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious.</li> <li>Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink.</li> <li>Seek medical advice.</li> </ul> |

#### Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

For acute or short term repeated exposures to xylene:

- Gastro-intestinal absorption is significant with ingestions. For ingestions exceeding 1-2 ml (xylene)/kg, intubation and lavage with cuffed endotracheal tube is recommended. The use of charcoal and cathartics is equivocal.
- ▶ Pulmonary absorption is rapid with about 60-65% retained at rest.
- Primary threat to life from ingestion and/or inhalation, is respiratory failure.
- Patients should be quickly evaluated for signs of respiratory distress (e.g. cyanosis, tachypnoea, intercostal retraction, obtundation) and given oxygen. Patients with inadequate tidal volumes or poor arterial blood gases (pO2 < 50 mm Hg or pCO2 > 50 mm Hg) should be intubated.
- Arrhythmias complicate some hydrocarbon ingestion and/or inhalation and electrocardiographic evidence of myocardial injury has been reported; intravenous lines and cardiac monitors should be established in obviously symptomatic patients. The lungs excrete inhaled solvents, so that hyperventilation improves clearance.
- A chest x-ray should be taken immediately after stabilisation of breathing and circulation to document aspiration and detect the presence of pneumothorax.
- Epinephrine (adrenalin) is not recommended for treatment of bronchospasm because of potential myocardial sensitisation to catecholamines. Inhaled cardioselective bronchodilators (e.g. Alupent, Salbutamol) are the preferred agents, with aminophylline a second choice. BIOLOGICAL EXPOSURE INDEX - BEI

These represent the determinants observed in specimens collected from a healthy worker exposed at the Exposure Standard (ES or TLV):

| Determinant                    | Index                | Sampling Time       | Comments |
|--------------------------------|----------------------|---------------------|----------|
| Methylhippu-ric acids in urine | 1.5 gm/gm creatinine | End of shift        |          |
|                                | 2 mg/min             | Last 4 hrs of shift |          |

## **SECTION 5 FIREFIGHTING MEASURES**

#### Extinguishing media

Foam.

#### Special hazards arising from the substrate or mixture

Fire Incompatibility

Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result

## Advice for firefighters

| Fire Fighting         | ▶ Alert Fire Brigade and tell them location and nature of hazard. |  |
|-----------------------|---|--|
| Fire/Explosion Hazard | ▶ Liquid and vapour are highly flammable.                         |  |

# **SECTION 6 ACCIDENTAL RELEASE MEASURES**

#### Personal precautions, protective equipment and emergency procedures

|              | , p, p  |  |
|--------------|---|--|
| Minor Spills | Minor Spills Environmental hazard - contain spillage. |  |
| Major Spills | Environmental hazard - contain spillage.              |  |

#### Page **4** of **10**

Issue Date: **04/10/2013**Print Date: **16/01/2014** 

#### Altex Altra~Build 520 Base

Personal Protective Equipment advice is contained in Section 8 of the MSDS.

## **SECTION 7 HANDLING AND STORAGE**

#### Precautions for safe handling

Safe handling

- ▶ Containers, even those that have been emptied, may contain explosive vapours.
- Other information Store in original containers in approved flame-proof area.

# Conditions for safe storage, including any incompatibilities

Suitable container

Packing as supplied by manufacturer.

Storage incompatibility

Xylenes:















- May be stored together with specific preventions
- → May be stored together

#### PACKAGE MATERIAL INCOMPATIBILITIES

#### **SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

#### **Control parameters**

#### OCCUPATIONAL EXPOSURE LIMITS (OEL)

#### INGREDIENT DATA

| Source  | Ingredient                | Material name  | TWA                       | STEL                       | Peak             | Notes              |
|---|---------------------------|--|---------------------------|----------------------------|------------------|--------------------|
| New Zealand Workplace Exposure<br>Standards (WES) | Nicron 402<br>(talc)      | Talc (containing no asbestos fibres) / Talc (containing asbestos fibres) | 2 Respirable dust (mg/m3) | Not Available              | Not<br>Available | Not<br>Available   |
| New Zealand Workplace Exposure<br>Standards (WES) | xylene                    | Xylene (o-, m-, p-isomers)   | 217 (mg/m3) / 50<br>(ppm) | Not Available              | Not<br>Available | Not<br>Available   |
| New Zealand Workplace Exposure<br>Standards (WES) | toluene                   | Toluene  | 188 (mg/m3) / 50<br>(ppm) | Not Available              | Not<br>Available | Skin<br>absorption |
| New Zealand Workplace Exposure<br>Standards (WES) | isobutanol                | Isobutyl alcohol   | 152 (mg/m3) / 50<br>(ppm) | Not Available              | Not<br>Available | Not<br>Available   |
| New Zealand Workplace Exposure<br>Standards (WES) | methyl isobutyl<br>ketone | Methyl isobutyl ketone   | 205 (mg/m3) / 50<br>(ppm) | 307 (mg/m3) / 75 (ppm)     | Not<br>Available | Not<br>Available   |
| New Zealand Workplace Exposure<br>Standards (WES) | n-butyl acetate           | n-Butyl acetate  | 713 (mg/m3) / 150 (ppm)   | 950 (mg/m3) /<br>200 (ppm) | Not<br>Available | Not<br>Available   |

# EMERGENCY LIMITS

| Ingredient  | TEEL-0   | TEEL-1    | TEEL-2    | TEEL-3    |
|---|----------|-----------|-----------|-----------|
| bisphenol A/ bisphenol A diglycidyl ether polymer | 7.5(ppm) | 25(ppm)   | 150(ppm)  | 500(ppm)  |
| Nicron 402 (talc)                                 | 2(ppm)   | 2(ppm)    | 10(ppm)   | 500(ppm)  |
| xylene  | 100(ppm) | 130(ppm)  | 920(ppm)  | 2500(ppm) |
| toluene   | 200(ppm) | 200(ppm)  | 510(ppm)  | 2900(ppm) |
| isobutanol  | 100(ppm) | 1250(ppm) | 1600(ppm) | 1600(ppm) |
| methyl isobutyl ketone                            | 75(ppm)  | 75(ppm)   | 500(ppm)  | 500(ppm)  |
| n-butyl acetate                                   | 5(ppm)   | 5(ppm)    | 200(ppm)  | 3000(ppm) |

| Ingredient             | Original IDLH       | Revised IDLH        |
|------------------------|---------------------|---------------------|
| Nicron 402 (talc)      | N.E.(mgm3)N.E.(ppm) | 1,000 / 3,000(mgm3) |
| xylene                 | 1,000(ppm)          | 900(ppm)            |
| toluene                | 2,000(ppm)          | 500(ppm)            |
| isobutanol             | 8,000(ppm)          | 1,600(ppm)          |
| methyl isobutyl ketone | 3,000(ppm)          | 500(ppm)            |
| n-butyl acetate        | 10,000(ppm)         | 1,700 [LEL](ppm)    |

#### **Exposure controls**

Appropriate engineering controls

Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard.

Version No: 2.4

# Personal protection Eye and face protection Safety glasses with side shields. Skin protection See Hand protection below Hand protection NOTE: See Other protection below **Body protection** Other protection Overalls. Thermal hazards

Altex Altra~Build 520 Base

#### Recommended material(s)

#### GLOVE SELECTION INDEX

Glove selection is based on a modified presentation of the: Altex Altra~Build 520 Base Not Available

| Material | CPI |
|----------|-----|
|----------|-----|

<sup>\*</sup> CPI - Chemwatch Performance Index

#### Respiratory protection

Where the concentration of gas/particulates in the breathing zone, approaches or exceeds the "Exposure Standard" (or ES), respiratory protection is required.

Issue Date: 04/10/2013

Print Date: 16/01/2014

Degree of protection varies with both face-piece and Class of filter; the nature of protection varies with Type of filter.

| Required<br>Minimum<br>Protection<br>Factor | Half-Face<br>Respirator | Full-Face<br>Respirator | Powered Air<br>Respirator |
|---|-------------------------|-------------------------|---------------------------|
| up to 10 x ES                               | A-AUS / Class 1         | -                       | A-PAPR-AUS /<br>Class 1   |
| up to 50 x ES                               | Air-line*               | -                       | -                         |
| up to 100 x ES                              | -                       | A-3                     | -                         |
| 100+ x ES                                   | -                       | Air-line**              | -                         |

\* - Continuous-flow; \*\* - Continuous-flow or positive pressure demand

A(All classes) = Organic vapours, B AUS or B1 = Acid gasses, B2 = Acid gas or hydrogen cyanide(HCN), B3 = Acid gas or hydrogen cyanide(HCN), E = Sulfur dioxide(SO2), G = Agricultural chemicals, K = Ammonia(NH3), Hg = Mercury, NO = Oxides of nitrogen, MB = Methyl bromide, AX = Low boiling point organic compounds(below 65 degC)

#### **SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

#### Information on basic physical and chemical properties

| Appearance                                   | light grey viscous liquid                             |               |
|--|---|---------------|
|  |   |               |
| Physical state                               | Liquid Relative density (Water = 1)                   | 1.62          |
| Odour  | Not Available Partition coefficient n-octanol / water | Not Available |
| Odour threshold                              | Not Available Auto-ignition temperature (°C)          | 468           |
| pH (as supplied)                             | Not Available Decomposition temperature               | Not Available |
| Melting point / freezing point (°C)          | Not Available Viscosity (cSt)                         | 6604.94       |
| Initial boiling point and boiling range (°C) | 121 Molecular weight (g/mol)                          | Not Available |
| Flash point (°C)                             | 22 Taste  | Not Available |
| Evaporation rate                             | 1.1 Explosive properties                              | Not Available |
| Flammability                                 | Not Available Oxidising properties                    | Not Available |
| Upper Explosive Limit (%)                    | 8.6 Surface Tension (dyn/cm or mN/m)                  | Not Available |
| Lower Explosive Limit (%)                    | 1.3 Volatile Component (%vol)                         | 24            |
| Vapour pressure (kPa)                        | 1.23 Gas group  | Not Available |
| Solubility in water (g/L)                    | Immiscible pH as a solution(1%)                       | Not Available |
| Vapour density (Air = 1)                     | 3.3 VOC g/L   | Not Available |

## **SECTION 10 STABILITY AND REACTIVITY**

| Reactivity                         | See section 7                         |  |
|------------------------------------|---------------------------------------|--|
| Chemical stability                 | ▶ Presence of incompatible materials. |  |
| Possibility of hazardous reactions | See section 7                         |  |

Chemwatch: 9-35783 Version No: 2.4

## Altex Altra~Build 520 Base

Page 6 of 10 Issue Date: 04/10/2013 Print Date: 16/01/2014

| Conditions to avoid              | See section 7 |
|----------------------------------|---------------|
| Incompatible materials           | See section 7 |
| Hazardous decomposition products | See section 5 |

# **SECTION 11 TOXICOLOGICAL INFORMATION**

## Information on toxicological effects

| Information on toxicological effects      |   |   |  |
|---|---|---|--|
| Inhaled                                   | The material is not thought to produce respiratory irritation (as classified by EC Directives using animal models).   |   |  |
| Ingestion                                 | Accidental ingestion of the material may be damaging to the health of the individual.   |   |  |
| Skin Contact                              | Evidence exists, or practical experience predicts, that the material either produces inflammation of the skin in a substantial number of individuals following direct contact, and/or produces significant inflammation when applied to the healthy intact skin of animals, for up to four hours, such inflammation being present twenty-four hours or more after the end of the exposure period. |   |  |
| Eye                                       |   | s, that the material may cause eye irritation in a substantial number of individuals and/or may<br>sent twenty-four hours or more after instillation into the eye(s) of experimental animals. |  |
| Chronic                                   | Practical experience shows that skin contact wiindividuals, and/or of producing a positive response   | th the material is capable either of inducing a sensitisation reaction in a substantial number of<br>inse in experimental animals.  |  |
|   |   |   |  |
| Altex Altra~Build 520 Base                | TOXICITY  | IRRITATION  |  |
| Allox Allia Balla 020 Ballo               | Not Available   | Not Available   |  |
|   | TOXICITY  | IRRITATION  |  |
| bisphenol A/ bisphenol A diglycidyl ether | Dermal (Rat) LD50: >2000 mg/kg *  |   |  |
| polymer                                   | Oral (Rat) LD50: >2000 mg/kg *  | <br>  |  |
|   | Not Available   | Not Available   |  |
|   |   |   |  |
|   | TOXICITY  | IRRITATION  |  |
| Nicron 402 (talc)                         | ***************************************   | Skin (human): 0.3 mg/3d-l mild  |  |
|   | Not Available   | Not Available   |  |
|   | TOXICITY  | IRRITATION  |  |
|   | Inhalation (rat) LC50: 5000 ppm/4h  | Eye (human): 200 ppm irritant   |  |
|   | Intraperitoneal (Mouse) LD50: 1548 mg/kg  | Eye (rabbit): 5 mg/24h SEVERE   |  |
|   | Intraperitoneal (Rat) LD50: 2459 mg/kg  |   |  |
| xylene                                    |   | Eye (rabbit): 87 mg mild  |  |
|   | Oral (Mouse) LD50: 2119 mg/kg   | Skin (rabbit):500 mg/24h moderate   |  |
|   | Oral (rat) LD50: 4300 mg/kg   | 1<br>1  |  |
|   | Subcutaneous (Rat) LD50: 1700 mg/kg  Not Available  | Not Available   |  |
|   | TOXICITY  | IRRITATION  |  |
|   | Dermal (rabbit) LD50: 12124 mg/kg   | Eye (rabbit): 2mg/24h - SEVERE  |  |
|   | Inhalation (rat) LC50: >26700 ppm/1h  | Eye (rabbit):0.87 mg - mild   |  |
| toluene                                   | Oral (rat) LD50: 636 mg/kg  | Eye (rabbit):100 mg/30sec - mild  |  |
| 10.110.110                                | - Crai (tat) 2500. 000 mg/ng  | Skin (rabbit):20 mg/24h-moderate  |  |
|   |   | Skin (rabbit):500 mg - moderate   |  |
|   | Not Available   | Not Available   |  |
|   | TOXICITY  | IRRITATION  |  |
|   | ***************************************   | -   |  |
| inghutanal                                | Dermal (rabbit) LD50: 3400 mg/kg.   | Eye (rabbit): 2 20 mg/24h-moderate  |  |
| isobutanol                                | Oral (rat) LD50: 2460 mg/kg.  | Eye (rabbit): 2 mg/24h - SEVERE   |  |
|   | Not Available   | Skin (rabbit): mg (open)-SEVERE  Not Available  |  |
|   |   |   |  |
|   | TOXICITY  | IRRITATION  |  |
|   | Oral (rat) LD50: 2080 mg/kg   | Eye (human): 200 ppm/15m  |  |
| methyl isobutyl ketone                    | Oral (rat) LD50: 2460 mg/kg   | Eye (rabbit): 40 mg - SEVERE  |  |
| metriyi isobutyi ketone                   |   | Eye (rabbit): 500 mg/24h - mild   |  |
|   |   | Skin (rabbit): 500 mg/24h - mild  |  |
|   |   |   |  |

Issue Date: **04/10/2013** Print Date: **16/01/2014** 

|                 | TOXICITY                                 | IRRITATION                         |
|-----------------|--|------------------------------------|
|                 | Dermal (rabbit) LD50: 3200 mg/kg*        | *[PPG]                             |
|                 | Inhalation (rat) LC50: 2000 ppm/4H       | Eye ( human): 300 mg               |
|                 | Inhalation (Rat) LC50: 390 ppm/4h        | Eye (rabbit): 20 mg (open)-SEVERE  |
| n-butyl acetate | Intraperitoneal (Mouse) LD50: 1230 mg/kg | Eye (rabbit): 20 mg/24h - moderate |
| n-butyi acetate | Oral (Guinea pig) LD50: 4700 mg/kg       | g                                  |
|                 | Oral (Rabbit) LD50: 3200 mg/kg           | Skin (rabbit): 500 mg/24h-moderate |
|                 | Oral (Rat) LD50: 10768 mg/kg             |                                    |
|                 | Oral (rat) LD50: 13100 mg/kg             |                                    |
|                 | Not Available                            | Not Available                      |

| BISPHENOL A/ BISPHENOL A<br>DIGLYCIDYL ETHER POLYMER                                | *Hexion MSDS Epikote 1001  |  |                                     |  |
|---|--|--|-------------------------------------|--|
| XYLENE  | Reproductive effector in rats  |  |                                     |  |
| TOLUENE   | The material may cause skin irritation after pr  | rolonged or repeated exposure and may produce a    | a contact dermatitis (nonallergic). |  |
| Altex Altra-Build 520 Base, BISPHENOL<br>A/ BISPHENOL A DIGLYCIDYL ETHER<br>POLYMER | The following information refers to contact all  | lergens as a group and may not be specific to this | product.                            |  |
| NICRON 402 (TALC), ISOBUTANOL,<br>METHYL ISOBUTYL KETONE                            | Asthma-like symptoms may continue for months or even years after exposure to the material ceases.        |  |                                     |  |
| XYLENE, N-BUTYL ACETATE   | The material may produce severe irritation to the eye causing pronounced inflammation.                   |  |                                     |  |
|   |  |  |                                     |  |
| Acute Toxicity  | Acute Toxicity (Inhalation) Category 4   | Carcinogenicity                                    | Not Applicable                      |  |
| Skin Irritation/Corrosion   | Skin Corrosion/Irritation Category 2   | Reproductivity                                     | Not Applicable                      |  |
| Serious Eye Damage/Irritation   | Eye Irritation Category 2A STOT - Single Exposure STOT - SE Category 2 STOT - SE (Resp. Irr.) Category 3 |  |                                     |  |
| Respiratory or Skin sensitisation   | Skin Sensitizer Category 1 STOT - Repeated Exposure STOT - RE Category 2                                 |  |                                     |  |
| Mutagenicity  | Not Applicable   | Aspiration Hazard                                  | Not Applicable                      |  |

#### **CMR STATUS**

| SKIN | toluene | New Zealand Workplace Exposure Standards (WES) - Skin | Skin absorption |
|------|---------|---|-----------------|
|      |         | , ,   | ·               |

# **SECTION 12 ECOLOGICAL INFORMATION**

# Toxicity

Toxic to fauna.

## Persistence and degradability

| Ingredient    | Persistence: Water/Soil | Persistence: Air |
|---------------|-------------------------|------------------|
| Not Available | Not Available           | Not Available    |

# Bioaccumulative potential

| Ingredient    | Bioaccumulation |
|---------------|-----------------|
| Not Available | Not Available   |

# Mobility in soil

| •             |               |
|---------------|---------------|
| Ingredient    | Mobility      |
| Not Available | Not Available |

# **SECTION 13 DISPOSAL CONSIDERATIONS**

# Waste treatment methods

| Product / Packaging disposal Containers may still present a chemical hazard/ danger when empty. |  |
|---|--|
|   |  |
|   | Insure that the disposal of material is carried out in accordance with Hazardous Substances (Disposal) Regulations 2001. |

Chemwatch: 9-35783

Version No: 2.4 Altex Altra~Build 520 Base

Page 8 of 10 Issue Date: 04/10/2013 Print Date: 16/01/2014

# **SECTION 14 TRANSPORT INFORMATION**

# Labels Required



Marine Pollutant: NO

**HAZCHEM** •3YE; •3Y

# Land transport (UN)

| UN number                    | 1263   |
|------------------------------|--|
| Packing group                | II   |
| UN proper shipping name      | PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound) |
| Environmental hazard         | No relevant data   |
| Transport hazard class(es)   | Class 3<br>Subrisk   |
| Special precautions for user | Special provisions 163;367 limited quantity 5 L  |

# Air transport (ICAO-IATA / DGR)

| Number   1263   Packing group   I   |                              |   |       |  |
|---|------------------------------|---|-------|--|
| Paint related material (including paint thinning or reducing compounds); Paint (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)  No relevant data  ICAO/IATA Class 3 ICAO / IATA Subrisk ERG Code 3L  Special provisions A3A72 Cargo Only Packing Instructions 364 Cargo Only Maximum Qty / Pack 60 L Passenger and Cargo Maximum Qty / Pack 5 L Passenger and Cargo Limited Quantity Packing Instructions Y341 | UN number                    | 1263  |       |  |
| Iiquid filler and liquid lacquer base)   Revironmental hazard   No relevant data  | Packing group                | II  |       |  |
| Transport hazard class(es)    ICAO / IATA Subrisk   | UN proper shipping name      |   |       |  |
| Transport hazard class(es)  ICAO / IATA Subrisk  ERG Code  3L  Special provisions  Cargo Only Packing Instructions  Cargo Only Maximum Qty / Pack  Passenger and Cargo Packing Instructions  353  Passenger and Cargo Maximum Qty / Pack  5 L  Passenger and Cargo Limited Quantity Packing Instructions  Y341  | Environmental hazard         | No relevant data  |       |  |
| Special provisions  Cargo Only Packing Instructions  Cargo Only Maximum Qty / Pack  Cargo Only Maximum Qty / Pack  Passenger and Cargo Packing Instructions  353  Passenger and Cargo Maximum Qty / Pack  Passenger and Cargo Limited Quantity Packing Instructions  Y341   | Transport hazard class(es)   | ICAO / IATA Subrisk                                       |       |  |
| Cargo Only Packing Instructions  Cargo Only Maximum Qty / Pack  Special precautions for user  Passenger and Cargo Packing Instructions  Passenger and Cargo Maximum Qty / Pack  Passenger and Cargo Limited Quantity Packing Instructions  Y341   |                              | ENG Code SL   |       |  |
| Cargo Only Maximum Qty / Pack 60 L Passenger and Cargo Packing Instructions 353 Passenger and Cargo Maximum Qty / Pack 5 L Passenger and Cargo Limited Quantity Packing Instructions Y341   |                              | Special provisions  | A3A72 |  |
| Special precautions for user  Passenger and Cargo Packing Instructions  Passenger and Cargo Maximum Qty / Pack  Passenger and Cargo Limited Quantity Packing Instructions  Y341   |                              | Cargo Only Packing Instructions                           | 364   |  |
| Passenger and Cargo Maximum Qty / Pack 5 L  Passenger and Cargo Limited Quantity Packing Instructions Y341  |                              | Cargo Only Maximum Qty / Pack                             | 60 L  |  |
| Passenger and Cargo Limited Quantity Packing Instructions Y341  | Special precautions for user | Passenger and Cargo Packing Instructions                  | 353   |  |
|   |                              | Passenger and Cargo Maximum Qty / Pack                    | 5L    |  |
| Passenger and Cargo Maximum Qty / Pack 1 L  |                              | Passenger and Cargo Limited Quantity Packing Instructions | Y341  |  |
|   |                              | Passenger and Cargo Maximum Qty / Pack                    | 1L    |  |

# Sea transport (IMDG-Code / GGVSee)

| UN number                    | 1263   |
|------------------------------|--|
| Packing group                | II .   |
| UN proper shipping name      | PAINT (including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound) |
| Environmental hazard         | No relevant data   |
| Transport hazard class(es)   | IMDG Class 3 IMDG Subrisk  |
| Special precautions for user | EMS Number F-E,S-E Special provisions 163 Limited Quantities 5 L   |

# Transport in bulk according to Annex II of MARPOL 73 / 78 and the IBC code

| Source   | Ingredient | Pollution Category | Residual Concentration - Outside Special Area (% w/w) | Residual Concentration |
|--|------------|--------------------|---|------------------------|
| IMO MARPOL 73/78 (Annex II) - List of<br>Other Liquid Substances | isobutanol | Not Available      | Not Available   | Not Available          |

Page 9 of 10 Issue Date: 04/10/2013 Print Date: 16/01/2014

#### SECTION 15 REGULATORY INFORMATION

#### Safety, health and environmental regulations / legislation specific for the substance or mixture

This substance is to be managed using the conditions specified in an applicable Group Standard

**HSR Number** Group Standard

HSR002662 Surface Coatings and Colourants (Flammable) Group Standard 2006

bisphenol A/ bisphenol A diglycidyl ether polymer(25036-25-3) is found on the following regulatory lists

"New Zealand Inventory of Chemicals (NZIoC)", "Sigma-AldrichTransport Information"

Nicron 402 (talc)(14807-96-6) is found on the following regulatory lists

"International Agency for Research on Cancer (IARC) - Agents Reviewed by the IARC Monographs". "New Zealand Inventory of Chemicals (NZIoC)", "OECD List of High Production Volume (HPV) Chemicals", "International Numbering System for Food Additives", "WHO Food Additives Series - Food Additives considered for specifications only", "New Zealand Cosmetic Products Group Standard - Schedule 5 - Table 1: Components Cosmetic Products Must Not Contain Except Subject to the Restrictions and Conditions Laid Down", "CODEX General Standard for Food Additives (GSFA) - Additives Permitted for Use in Food in General, Unless Otherwise Specified, in Accordance with GMP", "FisherTransport Information", "Sigma-AldrichTransport Information", "New Zealand Workplace Exposure Standards (WES)"

xylene(1330-20-7) is found on the following regulatory lists

"International Agency for Research on Cancer (IARC) - Agents Reviewed by the IARC Monographs", "New Zealand Inventory of Chemicals (NZIoC)","International Council of Chemical Associations (ICCA) - High Production Volume List","International Fragrance Association (IFRA) Survey: Transparency List", "FisherTransport Information", "New Zealand Hazardous Substances and New Organisms (HSNO) Act - Chemicals (single components)", "New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals", "New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals - Classification Data", "International Air Transport Association (IATA) Dangerous Goods Regulations", "International Maritime Dangerous Goods Requirements (IMDG Code)", "Belgium Federal Public Service Mobility and Transport, Regulations concerning the International Carriage of Dangerous Goods by Rail - Table A: Dangerous Goods List - RID 2013 (Dutch)", "International Maritime Dangerous Goods Requirements (IMDG Code) - Substance Index", "OECD List of High Production Volume (HPV) Chemicals", "OSPAR List of Chemicals for Priority Action", "IMO MARPOL 73/78 (Annex II) - List of Noxious Liquid Substances Carried in Bulk","IMO IBC Code Chapter 17: Summary of minimum requirements", "GESAMP/EHS Composite List - GESAMP Hazard Profiles", "IMO Provisional Categorization of Liquid Substances - List 3: (Trade-named) mixtures containing at least 99% by weight of components already assessed by IMO, presenting safety hazards", "New Zealand Hazardous Substances and New Organisms (HSNO) Act -Dangerous Goods", "WHO Guidelines for Drinking-water Quality - Guideline values for chemicals that are of health significance in drinkingwater", "New Zealand Workplace Exposure Standards (WES)"

toluene(108-88-3) is found on the following regulatory lists

"International Agency for Research on Cancer (IARC) - Agents Reviewed by the IARC Monographs". "New Zealand Inventory of Chemicals (NZIoC)", "IMO MARPOL 73/78 (Annex II) - List of Noxious Liquid Substances Carried in Bulk", "IMO IBC Code Chapter 17: Summary of minimum requirements", "IMO Provisional Categorization of Liquid Substances - List 3: (Trade-named) mixtures containing at least 99% by weight of components already assessed by IMO, presenting safety hazards", "United Nations Consolidated List of Products Whose Consumption and/or Sale Have Been Banned, Withdrawn, Severely Restricted or Not Approved by Governments", "New Zealand Hazardous Substances and New Organisms (HSNO) Act - Dangerous Goods", "OECD List of High Production Volume (HPV) Chemicals", "New Zealand Cosmetic Products Group Standard - Schedule 5 - Table 1: Components Cosmetic Products Must Not Contain Except Subject to the Restrictions and Conditions Laid Down", "International Fragrance Association (IFRA) Standards Prohibited", "WHO Guidelines for Drinking-water Quality -Guideline values for chemicals that are of health significance in drinking-water". "FisherTransport Information". "Sigma-AldrichTransport Information", "Acros Transport Information", "New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals". "New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals - Classification Data". "New Zealand Workplace Exposure Standards (WES)", "International Air Transport Association (IATA) Dangerous Goods Regulations", "International Maritime Dangerous Goods Requirements (IMDG Code)", "Belgium Federal Public Service Mobility and Transport, Regulations concerning the International Carriage of Dangerous Goods by Rail - Table A: Dangerous Goods List - RID 2013 (Dutch)","International Maritime Dangerous Goods Requirements (IMDG Code) - Substance Index", "OSPAR List of Chemicals for Priority Action", "GESAMP/EHS Composite List - GESAMP Hazard Profiles", "United Nations Convention Against Illicit Traffic in Narcotic Drugs and Psychotropic Substances - Table II","United Nations List of Precursors and Chemicals Frequently used in the Illicit Manufacture of Narcotic Drugs and Psychotropic Substances Under International Control (Red List) - Table II'

isobutanol(78-83-1) is found on the following regulatory lists

"New Zealand Inventory of Chemicals (NZIoC)","IMO MARPOL 73/78 (Annex II) - List of Other Liquid Substances","IMO MARPOL 73/78 (Annex II) - List of Noxious Liquid Substances Carried in Bulk", "IMO IBC Code Chapter 17: Summary of minimum requirements", "New Zealand Hazardous Substances and New Organisms (HSNO) Act - Dangerous Goods", "OECD List of High Production Volume (HPV) Chemicals", "International Council of Chemical Associations (ICCA) - High Production Volume List", "International Fragrance Association (IFRA) Survey: Transparency List", "IOFI Global Reference List of Chemically Defined Substances", "GESAMP/EHS Composite List - GESAMP Hazard Profiles", "FisherTransport Information", "Sigma-AldrichTransport Information", "New Zealand Hazardous Substances and New Organisms (HSNO) Act - Chemicals (single components)", "New Zealand Hazardous Substances and New Organisms (HSNO) Act -Classification of Chemicals", "New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals Classification Data", "New Zealand Workplace Exposure Standards (WES)", "International Air Transport Association (IATA) Dangerous Goods Regulations", "International Maritime Dangerous Goods Requirements (IMDG Code)", "Belgium Federal Public Service Mobility and Transport, Regulations concerning the International Carriage of Dangerous Goods by Rail - Table A: Dangerous Goods List - RID 2013 (Dutch)","International Maritime Dangerous Goods Requirements (IMDG Code) - Substance Index","OSPAR National List of Candidates for Substitution - Norway

methyl isobutyl ketone(108-10-1) is found on the following regulatory lists

"International Agency for Research on Cancer (IARC) - Agents Reviewed by the IARC Monographs", "New Zealand Inventory of Chemicals (NZIoC)","IMO MARPOL 73/78 (Annex II) - List of Noxious Liquid Substances Carried in Bulk","IMO IBC Code Chapter 17: Summary of minimum requirements", "New Zealand Hazardous Substances and New Organisms (HSNO) Act - Dangerous Goods", "OECD List of High Production Volume (HPV) Chemicals", "International Fragrance Association (IFRA) Survey: Transparency List", "IOFI Global Reference List of Chemically Defined Substances", "GESAMP/EHS Composite List - GESAMP Hazard Profiles", "FisherTransport Information", "Sigma-AldrichTransport Information". "New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals". "New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals - Classification Data", "New Zealand Workplace Exposure Standards (WES)", "International Air Transport Association (IATA) Dangerous Goods Regulations", "International Maritime Dangerous Goods Requirements (IMDG Code)", "Belgium Federal Public Service Mobility and Transport, Regulations concerning the International Carriage of Dangerous Goods by Rail - Table A: Dangerous Goods List - RID 2013 (Dutch)", "International Maritime Dangerous Goods Requirements (IMDG Code) - Substance Index", "OSPAR National List of Candidates for Substitution - Norway"

n-butyl acetate(123-86-4) is found on the following regulatory lists

"New Zealand Inventory of Chemicals (NZIoC)", "New Zealand Hazardous Substances and New Organisms (HSNO) Act - Dangerous Goods", "International Council of Chemical Associations (ICCA) - High Production Volume List", "International Fragrance Association (IFRA) Survey: Transparency List", "FisherTransport Information", "Sigma-AldrichTransport Information", "Acros Transport Information", "New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals", "New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals - Classification Data", "New Zealand Workplace Exposure Standards (WES)","International Air Transport Association (IATA) Dangerous Goods Regulations","International Maritime Dangerous Goods Requirements (IMDG Code)", "Belgium Federal Public Service Mobility and Transport, Regulations concerning the International Carriage of

| Chemwatch: 9-35783 | Page <b>10</b> of <b>10</b> | Issue Date: 04/10/2013 |
|--------------------|-----------------------------|------------------------|
| Version No: 2.4    | Altox Altra Build 520 Basa  | Print Date: 16/01/2014 |

Dangerous Goods by Rail - Table A: Dangerous Goods List - RID 2013 (Dutch)", "International Maritime Dangerous Goods Requirements (IMDG Code) - Substance Index", "IMO MARPOL 73/78 (Annex II) - List of Noxious Liquid Substances Carried in Bulk", "IMO IBC Code Chapter 17: Summary of minimum requirements", "OECD List of High Production Volume (HPV) Chemicals", "IOFI Global Reference List of Chemically Defined Substances", "GESAMP/EHS Composite List - GESAMP Hazard Profiles", "New Zealand Hazardous Substances and New Organisms (HSNO) Act - Chemicals (single components)", "OSPAR National List of Candidates for Substitution - Norway"

## **SECTION 16 OTHER INFORMATION**

#### Other information

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

The (M)SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment.

This document is copyright. Apart from any fair dealing for the purposes of private study, research, review or criticism, as permitted under the Copyright Act, no part may be reproduced by any process without written permission from CHEMWATCH. TEL (+61 3) 9572 4700.

**ALTEX COATINGS LTD** 

Chemwatch: 9-36106 Version No: 2.4

Safety Data Sheet according to HSNO Regulations

Chemwatch Hazard Alert Code: 3

Issue Date: **07/10/2013**Print Date: **16/01/2014**S.GHS.NZL.EN

#### SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

#### **Product Identifier**

| Product name                  | Altex Altra~Build 520 Converter  |
|-------------------------------|--|
| Chemical Name                 | Not Applicable   |
| Synonyms                      | Not Available  |
| Proper shipping name          | PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound) |
| Chemical formula              | Not Applicable   |
| Other means of identification | Not Available  |
| CAS number                    | Not Applicable   |

#### Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses

The use of a quantity of material in an unventilated or confined space may result in increased exposure and an irritating atmosphere developing. Part B of a two pack epoxy coating

#### Details of the supplier of the safety data sheet

| • •                     |   |  |
|-------------------------|---|--|
| Registered company name | ALTEX COATINGS LTD                                  |  |
| Address                 | 91-111 Oropi Road 3112 Bay of Plenty New<br>Zealand |  |
| Telephone               | +64 7 5411974                                       |  |
| Fax                     | +64 7 5411310                                       |  |
| Website                 | Not Available                                       |  |
| Email                   | neil.debenham@carboline.co.nz                       |  |

#### **Emergency telephone number**

| Association / Organisation        | NZ Poisons Centre (0800-1630hr Mon-Fri) | 1           | 1           |
|-----------------------------------|---|-------------|-------------|
| Emergency telephone numbers       | 0800 764766                             |             | 1<br>1<br>1 |
| Other emergency telephone numbers | 0800 764766                             | 1<br>1<br>1 | 1<br>1<br>1 |

#### CHEMWATCH EMERGENCY RESPONSE

| Primary Number | Alternative Number 1 | Alternative Number 2 |  |
|----------------|----------------------|----------------------|--|
| +800 2436 2255 | +612 9186 1132       | Not Available        |  |

Once connected and if the message is not in your prefered language then please dial 01

## **SECTION 2 HAZARDS IDENTIFICATION**

## Classification of the substance or mixture

Considered a Hazardous Substance according to the criteria of the New Zealand Hazardous Substances New Organisms legislation.

| GHS Classification <sup>[1]</sup>                  | GHS Classification <sup>[1]</sup> Flammable Liquid Category 2, Acute Toxicity (Oral) Category 4, Skin Corrosion/Irritation Category 2, Serious Eye Damage Category 4 Reproductive Toxicity Category 2, STOT - SE (Resp. Irr.) Category 3, STOT - RE Category 2, Chronic Aquatic Hazard Category 4 |  |
|--|---|--|
| Legend:  | 1. Classified by Chemwatch; 2. Classification drawn from CCID EPA NZ; 3. Classification drawn from EC Directive 1272/2008 - Annex VI  |  |
| Determined by Chemwatch using<br>GHS/HSNO criteria | 3.1B, 6.1D (oral), 6.3A, 6.8B, 6.9 (respiratory), 6.9B (inhalation), 8.3A, 9.1D   |  |

## Label elements

GHS label elements









SIGNAL WORD

DANGER

Chemwatch: 9-36106 Version No: 2.4

## Page 2 of 9

#### Altex Altra~Build 520 Converter

Issue Date: 07/10/2013 Print Date: 16/01/2014

# Hazard statement(s)

| H225 | Highly flammable liquid and vapour                                |
|------|---|
| H302 | Harmful if swallowed  |
| H315 | Causes skin irritation  |
| H318 | Causes serious eye damage   |
| H361 | Suspected of damaging fertility or the unborn child               |
| H335 | May cause respiratory irritation                                  |
| H373 | May cause damage to organs through prolonged or repeated exposure |
| H413 | May cause long lasting harmful effects to aquatic life            |

# Supplementary statement(s)

Not Applicable

## Precautionary statement(s): Prevention

| P201 | Obtain special instructions before use.  |  |
|------|--|--|
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. |  |
| P260 | Do not breathe dust/fume/gas/mist/vapours/spray.                                   |  |
| P271 | Use only outdoors or in a well-ventilated area.                                    |  |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection.         |  |
| P270 | Do not eat, drink or smoke when using this product.                                |  |
| P273 | Avoid release to the environment.  |  |
| P240 | Ground/bond container and receiving equipment.                                     |  |
| P241 | Use explosion-proof electrical/ventilating/lighting/intrinsically safe equipment.  |  |
| P242 | Use only non-sparking tools.   |  |
| P243 | Take precautionary measures against static discharge.                              |  |

#### Precautionary statement(s): Response

| P332+P313<br>P362+P364 | If skin irritation occurs: Get medical advice/attention.  Take off contaminated clothing and wash it before reuse. |  |
|------------------------|--|--|
| P330                   | Rinse mouth.   |  |
| P304+P340              | IF INHALED: Remove person to fresh air and keep comfortable for breathing.   |  |
| P303+P361+P353         | IF ON SKIN (or hair): Take off immediately all contaminated clothing.  |  |
| P302+P352              | IF ON SKIN: Wash with plenty of water and soap   |  |
| P301+P312              | IF SWALLOWED: Call a POISON CENTER/doctor/physician/first aider/if you feel unwell.                                |  |
| P370+P378              | In case of fire: Use to extinguish.  |  |
| P321                   | Specific treatment (see advice on this label).   |  |
| P310                   | Immediately call a POISON CENTER/doctor/physician/first aider  |  |
| P308+P313              | IF exposed or concerned: Get medical advice/attention.   |  |
| P305+P351+P338         | IF IN EYES: Rinse cautiously with water for several minutes.   |  |

## Precautionary statement(s): Storage

| P403+P235 | Store in a well-ventilated place. |
|-----------|-----------------------------------|
| P405      | Store locked up.                  |
| P403+P233 | Store in a well-ventilated place. |

## Precautionary statement(s): Disposal

P501 Dispose of contents/container to authorised chemical landfill or if organic to high temperature incineration

# SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

## Substances

See section below for composition of Mixtures

#### Mixtures

| CAS No     | %[weight] | Name   |
|------------|-----------|--|
| 108-88-3   | 48.4      | toluene  |
| 68413-28-5 | 42        | cashew nut liquid/ formaldehyde/ ethylenediamine polymer |
| 90-72-2    | 4.9       | Ancamine K54 (2,4,6-tris[(dimethylamino)methyl]phenol)   |
| 1330-20-7  | 4.7       | xylene   |

## **SECTION 4 FIRST AID MEASURES**

Issue Date: 07/10/2013

Print Date: 16/01/2014

NZ Poisons Centre 0800 POISON (0800 764 766) | NZ Emergency Services: 111

#### Description of first aid measures

If this product comes in contact with the eyes: ▶ Immediately hold evelids apart and flush the eve continuously with running water. ▶ Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and **Eye Contact** lower lids ▶ Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Transport to hospital or doctor without delay Removal of contact lenses after an eye injury should only be undertaken by skilled personnel. If skin contact occurs: ▶ Immediately remove all contaminated clothing, including footwear. **Skin Contact** Flush skin and hair with running water (and soap if available). Seek medical attention in event of irritation. • If fumes or combustion products are inhaled remove from contaminated area. Lay patient down. Keep warm and rested. Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures. Inhalation Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary. ▶ Transport to hospital, or doctor, without delay If swallowed do **NOT** induce vomiting If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration. Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious. Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink. Ingestion Seek medical advice. Avoid aiving milk or oils. Avoid giving alcohol. If spontaneous vomiting appears imminent or occurs, hold patient's head down, lower than their hips to help avoid possible aspiration of vomitus

#### Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Any material aspirated during vomiting may produce lung injury. Therefore emesis should not be induced mechanically or pharmacologically. Mechanical means should be used if it is considered necessary to evacuate the stomach contents; these include gastric lavage after endotracheal intubation. If spontaneous vomiting has occurred after ingestion, the patient should be monitored for difficult breathing, as adverse effects of aspiration into the lungs may be delayed up to 48 hours.

for poisons (where specific treatment regime is absent):

### BASIC TREATMENT

Establish a patent airway with suction where necessary.

Watch for signs of respiratory insufficiency and assist ventilation as necessary.

Administer oxygen by non-rebreather mask at 10 to 15 L/min.

Monitor and treat, where necessary, for pulmonary oedema.

Monitor and treat, where necessary, for shock.

Anticipate seizures .

**DO NOT** use emetics. Where ingestion is suspected rinse mouth and give up to 200 ml water (5 ml/kg recommended) for dilution where patient is able to swallow, has a strong gag reflex and does not drool.

#### ADVANCED TREATMENT

Consider orotracheal or nasotracheal intubation for airway control in unconscious patient or where respiratory arrest has occurred.

Positive-pressure ventilation using a bag-valve mask might be of use.

Monitor and treat, where necessary, for arrhythmias.

Start an IV D5W TKO. If signs of hypovolaemia are present use lactated Ringers solution. Fluid overload might create complications.

Drug therapy should be considered for pulmonary oedema.

Hypotension with signs of hypovolaemia requires the cautious administration of fluids. Fluid overload might create complications.

Treat seizures with diazepam.

Proparacaine hydrochloride should be used to assist eye irrigation.

BRONSTEIN, A.C. and CURRANCE, P.L.

EMERGENCY CARE FOR HAZARDOUS MATERIALS EXPOSURE: 2nd Ed. 1994

Following acute or short term repeated exposures to toluene:

- ► Toluene is absorbed across the alveolar barrier, the blood/air mixture being 11.2/15.6 (at 37 degrees C.) The concentration of toluene, in expired breath, is of the order of 18 ppm following sustained exposure to 100 ppm. The tissue/blood proportion is 1/3 except in adipose where the proportion is 8/10.
- Metabolism by microsomal mono-oxygenation, results in the production of hippuric acid. This may be detected in the urine in amounts between 0.5 and 2.5 g/24 hr which represents, on average 0.8 gm/gm of creatinine. The biological half-life of hippuric acid is in the order of 1-2 hours.
- Primary threat to life from ingestion and/or inhalation is respiratory failure.
- Patients should be quickly evaluated for signs of respiratory distress (eg cyanosis, tachypnoea, intercostal retraction, obtundation) and given oxygen. Patients with inadequate tidal volumes or poor arterial blood gases (pO2 <50 mm Hg or pCO2 > 50 mm Hg) should be intubated.
- Arrhythmias complicate some hydrocarbon ingestion and/or inhalation and electrocardiographic evidence of myocardial damage has been reported; intravenous lines and cardiac monitors should be established in obviously symptomatic patients. The lungs excrete inhaled solvents, so that hyperventilation improves clearance.

Version No. 2.4

Page 4 of 9 Issue Date: 07/10/2013 Print Date: 16/01/2014 Altex Altra~Build 520 Converter

- A chest x-ray should be taken immediately after stabilisation of breathing and circulation to document aspiration and detect the presence of pneumothorax
- ▶ Epinephrine (adrenaline) is not recommended for treatment of bronchospasm because of potential myocardial sensitisation to catecholamines. Inhaled cardioselective bronchodilators (e.g. Alupent, Salbutamol) are the preferred agents, with aminophylline a second
- Lavage is indicated in patients who require decontamination; ensure use.

#### **BIOLOGICAL EXPOSURE INDEX - BEI**

These represent the determinants observed in specimens collected from a healthy worker exposed at the Exposure Standard (ES or TLV):

| Determinant            | Index              | Sampling Time                   | Comments |
|------------------------|--------------------|---------------------------------|----------|
| o-Cresol in urine      | 0.5 mg/L           | End of shift                    | В        |
| Hippuric acid in urine | 1.6 g/g creatinine | End of shift                    | B, NS    |
| Toluene in blood       | 0.05 mg/L          | Prior to last shift of workweek |          |

NS: Non-specific determinant; also observed after exposure to other material

B: Background levels occur in specimens collected from subjects NOT exposed

For acute or short term repeated exposures to xvlene:

- Gastro-intestinal absorption is significant with ingestions. For ingestions exceeding 1-2 ml (xylene)/kg, intubation and lavage with cuffed endotracheal tube is recommended. The use of charcoal and cathartics is equivocal.
- ▶ Pulmonary absorption is rapid with about 60-65% retained at rest.
- Primary threat to life from ingestion and/or inhalation, is respiratory failure.
- Patients should be quickly evaluated for signs of respiratory distress (e.g. cyanosis, tachypnoea, intercostal retraction, obtundation) and given oxygen. Patients with inadequate tidal volumes or poor arterial blood gases (pO2 < 50 mm Hg or pCO2 > 50 mm Hg) should be
- Arrhythmias complicate some hydrocarbon ingestion and/or inhalation and electrocardiographic evidence of myocardial injury has been reported; intravenous lines and cardiac monitors should be established in obviously symptomatic patients. The lungs excrete inhaled solvents, so that hyperventilation improves clearance.
- A chest x-ray should be taken immediately after stabilisation of breathing and circulation to document aspiration and detect the presence of pneumothorax
- ▶ Epinephrine (adrenalin) is not recommended for treatment of bronchospasm because of potential myocardial sensitisation to catecholamines. Inhaled cardioselective bronchodilators (e.g. Alupent, Salbutamol) are the preferred agents, with aminophylline a second choice. **BIOLOGICAL EXPOSURE INDEX - BEI**

These represent the determinants observed in specimens collected from a healthy worker exposed at the Exposure Standard (ES or TLV):

| Determinant                    | Index                | Sampling Time       | Comments |
|--------------------------------|----------------------|---------------------|----------|
| Methylhippu-ric acids in urine | 1.5 gm/gm creatinine | End of shift        |          |
|                                | 2 mg/min             | Last 4 hrs of shift |          |

#### **SECTION 5 FIREFIGHTING MEASURES**

#### **Extinguishing media**

Foam.

#### Special hazards arising from the substrate or mixture

Fire Incompatibility

Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result

#### Advice for firefighters

| Fire Fighting         |
|-----------------------|
| Fire/Eynlosion Hazard |

Alert Fire Brigade and tell them location and nature of hazard.

Liquid and vapour are highly flammable.

## **SECTION 6 ACCIDENTAL RELEASE MEASURES**

## Personal precautions, protective equipment and emergency procedures

| Minor Spills | Environmental hazard - contain spillage |
|--------------|---|
| Major Spills | Environmental hazard - contain spillage |

Personal Protective Equipment advice is contained in Section 8 of the MSDS.

#### **SECTION 7 HANDLING AND STORAGE**

### Precautions for safe handling

| Safe handling     | Containers, even those that have been emptied, may contain explosive vapours. |  |
|-------------------|---|--|
| Other information | ▶ Store in original containers in approved flame-proof area.                  |  |

Issue Date: **07/10/2013**Print Date: **16/01/2014** 

Suitable container

Packing as supplied by manufacturer.

Storage incompatibility

Toluene













- X Must not be stored together
- May be stored together with specific preventions
- + May be stored together

PACKAGE MATERIAL INCOMPATIBILITIES

#### **SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

## **Control parameters**

# OCCUPATIONAL EXPOSURE LIMITS (OEL)

#### INGREDIENT DATA

| Source  | Ingredient | Material name              | TWA                    | STEL          | Peak          | Notes           |
|---|------------|----------------------------|------------------------|---------------|---------------|-----------------|
| New Zealand Workplace Exposure<br>Standards (WES) | toluene    | Toluene                    | 188 (mg/m3) / 50 (ppm) | Not Available | Not Available | Skin absorption |
| New Zealand Workplace Exposure<br>Standards (WES) | xylene     | Xylene (o-, m-, p-isomers) | 217 (mg/m3) / 50 (ppm) | Not Available | Not Available | Not Available   |

## EMERGENCY LIMITS

| Ingredient   | TEEL-0   | TEEL-1   | TEEL-2   | TEEL-3    |
|--|----------|----------|----------|-----------|
| toluene  | 200(ppm) | 200(ppm) | 510(ppm) | 2900(ppm) |
| Ancamine K54 (2,4,6-tris[(dimethylamino)methyl]phenol) | 5(ppm)   | 15(ppm)  | 100(ppm) | 500(ppm)  |
| xylene   | 100(ppm) | 130(ppm) | 920(ppm) | 2500(ppm) |

| Ingredient | Original IDLH | Revised IDLH |
|------------|---------------|--------------|
| toluene    | 2,000(ppm)    | 500(ppm)     |
| xylene     | 1,000(ppm)    | 900(ppm)     |

#### **Exposure controls**

| •                                |  |  |
|----------------------------------|--|--|
| Appropriate engineering controls | Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. |  |
| Personal protection              |  |  |
| Eye and face protection          | ▶ Safety glasses with side shields.  |  |
| Skin protection                  | See Hand protection below  |  |
| Hand protection                  | ▶ Wear chemical protective gloves, e.g. PVC.   |  |
| Body protection                  | See Other protection below   |  |
| Other protection                 | Overalls.  |  |
| Thermal hazards                  |  |  |

#### Recommended material(s)

# GLOVE SELECTION INDEX

Glove selection is based on a modified presentation of the: Altex Altra~Build 520 Converter Not Available

| Material | СРІ |
|----------|-----|
|----------|-----|

<sup>\*</sup> CPI - Chemwatch Performance Index

## Respiratory protection

Where the concentration of gas/particulates in the breathing zone, approaches or exceeds the "Exposure Standard" (or ES), respiratory protection is required.

Degree of protection varies with both face-piece and Class of filter; the nature of protection varies with Type of filter.

| Required<br>Minimum<br>Protection<br>Factor | Half-Face<br>Respirator | Full-Face<br>Respirator | Powered Air<br>Respirator   |
|---|-------------------------|-------------------------|-----------------------------|
| up to 10 x ES                               | AK-AUS / Class<br>1 P2  | -                       | AK-PAPR-AUS /<br>Class 1 P2 |
| up to 50 x ES                               | Air-line*               | -                       | -                           |
| up to 100 x ES                              | -                       | AK-3 P2                 | -                           |
| 100+ x ES                                   | -                       | Air-line**              | -                           |

Chemwatch: 9-36106 Version No: 2.4

Altex Altra~Build 520 Converter

Issue Date: **07/10/2013**Print Date: **16/01/2014** 

 $^{\ast}$  - Continuous-flow,  $\ ^{\ast\ast}$  - Continuous-flow or positive pressure demand

A(All classes) = Organic vapours, B AUS or B1 = Acid gasses, B2 = Acid gas or hydrogen cyanide(HCN), B3 = Acid gas or hydrogen cyanide(HCN), E = Sulfur dioxide(SO2), G = Agricultural chemicals, K = Ammonia(NH3), Hg = Mercury, NO = Oxides of nitrogen, MB = Methyl bromide, AX = Low boiling point organic compounds(below 65 degC)

## **SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

## Information on basic physical and chemical properties

| Appearance                                   | dark red-brown viscous liquid                         |               |
|--|---|---------------|
|  |   |               |
| Physical state                               | Liquid Relative density (Water = 1)                   | 0.92          |
| Odour  | Not Available Partition coefficient n-octanol / water | Not Available |
| Odour threshold                              | Not Available Auto-ignition temperature (°C)          | 526           |
| pH (as supplied)                             | Not Available Decomposition temperature               | Not Available |
| Melting point / freezing point (°C)          | Not Available Viscosity (cSt)                         | 152.17        |
| Initial boiling point and boiling range (°C) | 112 Molecular weight (g/mol)                          | Not Available |
| Flash point (°C)                             | 6 Taste   | Not Available |
| Evaporation rate                             | 2.2 Explosive properties                              | Not Available |
| Flammability                                 | Not Available Oxidising properties                    | Not Available |
| Upper Explosive Limit (%)                    | 7.1 Surface Tension (dyn/cm or mN/m)                  | Not Available |
| Lower Explosive Limit (%)                    | 1.3 Volatile Component (%vol)                         | 53            |
| Vapour pressure (kPa)                        | 2.7 Gas group   | Not Available |
| Solubility in water (g/L)                    | Immiscible pH as a solution(1%)                       | Not Available |
| Vapour density (Air = 1)                     | 3.2 VOC g/L   | Not Available |

# **SECTION 10 STABILITY AND REACTIVITY**

| Reactivity                         | See section 7                         |
|------------------------------------|---------------------------------------|
| Chemical stability                 | ▶ Presence of incompatible materials. |
| Possibility of hazardous reactions | See section 7                         |
| Conditions to avoid                | See section 7                         |
| Incompatible materials             | See section 7                         |
| Hazardous decomposition products   | See section 5                         |

#### **SECTION 11 TOXICOLOGICAL INFORMATION**

# Information on toxicological effects

| Inhaled      | Evidence shows, or practical experience predicts, that the material produces irritation of the respiratory system, in a substantial number of individuals, following inhalation.                  |
|--------------|---|
| Ingestion    | Accidental ingestion of the material may be harmful; animal experiments indicate that ingestion of less than 150 gram may be fatal or may produce serious damage to the health of the individual. |
| Skin Contact | The material produces moderate skin irritation; evidence exists, or practical experience predicts, that the material either   |
| Eye          | When applied to the eye(s) of animals, the material produces severe ocular lesions which are present twenty-four hours or more after instillation.  |
| Chronic      | Long-term exposure to respiratory irritants may result in disease of the airways involving difficult breathing and related systemic problems.   |

| Altex Altra~Build 520 Converter | TOXICITY                             | IRRITATION                       |
|---------------------------------|--------------------------------------|----------------------------------|
| Allex Altra~Bullu 320 Converter | Not Available                        | Not Available                    |
|                                 | TOXICITY                             | IRRITATION                       |
|                                 | Dermal (rabbit) LD50: 12124 mg/kg    | Eye (rabbit): 2mg/24h - SEVERE   |
|                                 | Inhalation (rat) LC50: >26700 ppm/1h | Eye (rabbit):0.87 mg - mild      |
| toluene                         | Oral (rat) LD50: 636 mg/kg           | Eye (rabbit):100 mg/30sec - mild |
|                                 |                                      | Skin (rabbit):20 mg/24h-moderate |
|                                 |                                      | Skin (rabbit):500 mg - moderate  |
|                                 | Not Available                        | Not Available                    |
|                                 | 140t Availabio                       | T NOT / Validable                |

Version No: 2.4

Issue Date: 07/10/2013 Print Date: 16/01/2014 Altex Altra~Build 520 Converter

| cashew nut liquid/ formaldehyde/<br>ethylenediamine polymer | TOXICITY                                 | RRITATION                          |
|---|--|------------------------------------|
|   | Oral (rat) LD50: 1080 mg/kg              |                                    |
|   | Not Available                            | Not Available                      |
|   | TOXICITY                                 | RRITATION                          |
|   | Dermal (rabbit) LD50: 1280 mg/kg         | [Ciba]                             |
| Ancamine K54 (2,4,6-  | Inhalation (rat) LC50: >0.5 mg/l/1 hr.   | [Rohm & Haas, Henkel]*             |
| tris[(dimethylamino)methyl]phenol)                          | Oral (rat) LD50: 1200 mg/kg              | Eye (rabbit): 0.05 mg/24h - SEVERE |
|   | Oral (rat) LD50: 2500 mg/kg *            | Skin (rabbit): 2 mg/24h - SEVERE   |
|   | Not Available                            | Not Available                      |
| xylene  | TOXICITY                                 | IRRITATION                         |
|   | Inhalation (rat) LC50: 5000 ppm/4h       | Eye (human): 200 ppm irritant      |
|   | Intraperitoneal (Mouse) LD50: 1548 mg/kg | Eye (rabbit): 5 mg/24h SEVERE      |
|   | Intraperitoneal (Rat) LD50: 2459 mg/kg   | Eye (rabbit): 87 mg mild           |
|   | Oral (Mouse) LD50: 2119 mg/kg            | Skin (rabbit):500 mg/24h moderate  |
|   | Oral (rat) LD50: 4300 mg/kg              |                                    |
|   | Subcutaneous (Rat) LD50: 1700 mg/kg      |                                    |
|   | Not Available                            | Not Available                      |

| Altex Altra~Build 520 Converter                             | Asthma-like symptoms may continue for months or even years after exposure to the material ceases.  |
|---|--|
| TOLUENE   | The material may cause skin irritation after prolonged or repeated exposure and may produce a contact dermatitis (nonallergic).  |
| CASHEW NUT LIQUID/ FORMALDEHYDE/<br>ETHYLENEDIAMINE POLYMER | For cashew nutshell liquid (test substance Cardolite NX 4708 (distilled cashew nut shell liquid)   |
| ANCAMINE K54 (2,4,6-TRIS[(DIMETHYLAMINO)METHYL]PHENOL)      | While it is difficult to generalise about the full range of potential health effects posed by exposure to the many different amine compounds, characterised by those used in the manufacture of polyurethane and polyisocyanurate foams, it is agreed that overexposure to the majority of these materials may cause adverse health effects. |
| XYLENE  | The material may produce severe irritation to the eye causing pronounced inflammation.  Reproductive effector in rats  |

| Acute Toxicity                    | Acute Toxicity (Oral) Category 4     | Carcinogenicity          | Not Applicable                    |
|-----------------------------------|--------------------------------------|--------------------------|-----------------------------------|
| Skin Irritation/Corrosion         | Skin Corrosion/Irritation Category 2 | Reproductivity           | Reproductive Toxicity Category 2  |
| Serious Eye Damage/Irritation     | Serious Eye Damage Category 1        | STOT - Single Exposure   | STOT - SE (Resp. Irr.) Category 3 |
| Respiratory or Skin sensitisation | Not Applicable                       | STOT - Repeated Exposure | STOT - RE Category 2              |
| Mutagenicity                      | Not Applicable                       | Aspiration Hazard        | Not Applicable                    |

# **CMR STATUS**

|  | SKIN | toluene New Zealand Workplace Exposure Standards (WES) - Skin | Skin absorption |
|--|------|---|-----------------|
|--|------|---|-----------------|

# **SECTION 12 ECOLOGICAL INFORMATION**

# Toxicity

May cause long-term adverse effects in the aquatic environment.

# Persistence and degradability

| Ingredient    | Persistence: Water/Soil | Persistence: Air |
|---------------|-------------------------|------------------|
| Not Available | Not Available           | Not Available    |

# Bioaccumulative potential

| Ingredient    | Bioaccumulation |
|---------------|-----------------|
| Not Available | Not Available   |

## Mobility in soil

| Ingredient | Mobility |
|------------|----------|
|------------|----------|

Issue Date: **07/10/2013**Print Date: **16/01/2014** 

Not Available

Not Available

# **SECTION 13 DISPOSAL CONSIDERATIONS**

#### Waste treatment methods

Product / Packaging disposal Containers may still present a chemical hazard/ danger when empty.

Insure that the disposal of material is carried out in accordance with Hazardous Substances (Disposal) Regulations 2001.

## **SECTION 14 TRANSPORT INFORMATION**

#### **Labels Required**



## Land transport (UN)

| UN number                    | 1263   |
|------------------------------|--|
| Packing group                | П  |
| UN proper shipping name      | PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound) |
| Environmental hazard         | No relevant data   |
| Transport hazard class(es)   | Class 3 Subrisk  |
| Special precautions for user | Special provisions 163;367 limited quantity 5 L  |

## Air transport (ICAO-IATA / DGR)

| UN number                    | 1263  |                                 |
|------------------------------|---|---------------------------------|
| Packing group                | П   |                                 |
| UN proper shipping name      | Paint related material (including paint thinning or reducing compounds); Paint (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)   |                                 |
| Environmental hazard         | No relevant data  |                                 |
| Transport hazard class(es)   | ICAO/IATA Class 3 ICAO / IATA Subrisk ERG Code 3L   |                                 |
| Special precautions for user | Special provisions  Cargo Only Packing Instructions  Cargo Only Maximum Qty / Pack  Passenger and Cargo Packing Instructions  Passenger and Cargo Maximum Qty / Pack  Passenger and Cargo Limited Quantity Packing Instructions  Passenger and Cargo Maximum Qty / Pack | A3A72 364 60 L 353 5 L Y341 1 L |

# Sea transport (IMDG-Code / GGVSee)

| UN number                  | 1263   |
|----------------------------|--|
| Packing group              | II .   |
| UN proper shipping name    | PAINT (including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound) |
| Environmental hazard       | No relevant data   |
| Transport hazard class(es) | IMDG Class 3 IMDG Subrisk  |

Page 9 of 9

Altex Altra~Build 520 Converter

Issue Date: 07/10/2013 Print Date: 16/01/2014

Special precautions for user

| EMS Number         | F-E,S-E |
|--------------------|---------|
| Special provisions | 163     |
| Limited Quantities | 5 L     |

#### **SECTION 15 REGULATORY INFORMATION**

#### Safety, health and environmental regulations / legislation specific for the substance or mixture

This substance is to be managed using the conditions specified in an applicable Group Standard

| HSR Number | Group Standard  |
|------------|---|
| HSR002662  | Surface Coatings and Colourants (Flammable) Group Standard 2006 |

# toluene(108-88-3) is found on the following regulatory lists

"International Agency for Research on Cancer (IARC) - Agents Reviewed by the IARC Monographs", "New Zealand Inventory of Chemicals (NZIoC)", "IMO MARPOL 73/78 (Annex II) - List of Noxious Liquid Substances Carried in Bulk", "IMO IBC Code Chapter 17: Summary of minimum requirements", "IMO Provisional Categorization of Liquid Substances - List 3; (Trade-named) mixtures containing at least 99% by weight of components already assessed by IMO, presenting safety hazards", "United Nations Consolidated List of Products Whose Consumption and/or Sale Have Been Banned, Withdrawn, Severely Restricted or Not Approved by Governments", "New Zealand Hazardous Substances and New Organisms (HSNO) Act - Dangerous Goods", "OECD List of High Production Volume (HPV) Chemicals", "New Zealand Cosmetic Products Group Standard - Schedule 5 - Table 1: Components Cosmetic Products Must Not Contain Except Subject to the Restrictions and Conditions Laid Down", "International Fragrance Association (IFRA) Standards Prohibited", "WHO Guidelines for Drinking-water Quality Guideline values for chemicals that are of health significance in drinking-water", "FisherTransport Information", "Sigma-AldrichTransport Information","Acros Transport Information","New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals", "New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals - Classification Data", "New Zealand Workplace Exposure Standards (WES)", "International Air Transport Association (IATA) Dangerous Goods Regulations", "International Maritime Dangerous Goods Requirements (IMDG Code)", "Belgium Federal Public Service Mobility and Transport, Regulations concerning the International Carriage of Dangerous Goods by Rail - Table A: Dangerous Goods List - RID 2013 (Dutch)", "International Maritime Dangerous Goods Requirements (IMDG Code) - Substance Index", "OSPAR List of Chemicals for Priority Action", "GESAMP/EHS Composite List - GESAMP Hazard Profiles", "United Nations Convention Against Illicit Traffic in Narcotic Drugs and Psychotropic Substances - Table "Inited Nations List of Precursors and Chemicals Frequently used in the Illicit Manufacture of Narcotic Drugs and Psychotropic Substances Under International Control (Red List) - Table II"

#### cashew nut liquid/ formaldehyde/ ethylenediamine polymer(68413-28-5) is found on the following regulatory lists

"New Zealand Inventory of Chemicals (NZIoC)"

#### Ancamine K54 (2,4,6tris[(dimethylamino)methyl]phenol) (90-72-2) is found on the following regulatory lists

"New Zealand Inventory of Chemicals (NZIoC)","OECD List of High Production Volume (HPV) Chemicals","International Council of Chemical Associations (ICCA) - High Production Volume List","Sigma-AldrichTransport Information","New Zealand Hazardous Substances and New Organisms (HSNO) Act - Chemicals (single components)","New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals", "New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals - Classification Data", "International Air Transport Association (IATA) Dangerous Goods Regulations", "International Maritime Dangerous Goods Requirements (IMDG Code)", "Belgium Federal Public Service Mobility and Transport, Regulations concerning the International Carriage of Dangerous Goods by Rail - Table A: Dangerous Goods List - RID 2013 (Dutch)", "International Maritime Dangerous Goods Requirements (IMDG Code) - Substance Index"

# xylene(1330-20-7) is found on the following regulatory lists

"International Agency for Research on Cancer (IARC) - Agents Reviewed by the IARC Monographs", "New Zealand Inventory of Chemicals (NZIoC)", "International Council of Chemical Associations (ICCA) - High Production Volume List", "International Fragrance Association (IFRA) Survey: Transparency List", "FisherTransport Information", "New Zealand Hazardous Substances and New Organisms (HSNO) Act - Chemicals (single components)", "New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals", "New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals", "International Air Transport Association (IATA) Dangerous Goods Regulations", "International Maritime Dangerous Goods Requirements (IMDG Code)", "Belgium Federal Public Service Mobility and Transport, Regulations concerning the International Carriage of Dangerous Goods by Rail - Table A: Dangerous Goods List - RID 2013 (Dutch)", "International Maritime Dangerous Goods Requirements (IMDG Code) - Substance Index", "OECD List of High Production Volume (HPV) Chemicals", "OSPAR List of Chemicals for Priority Action", "IMO MARPOL 73/78 (Annex II) - List of Noxious Liquid Substances Carried in Bulk", "IMO IBC Code Chapter 17: Summary of minimum requirements", "GESAMP/EHS Composite List - GESAMP Hazard Profiles", "IMO Provisional Categorization of Liquid Substances - List 3: (Trade-named) mixtures containing at least 99% by weight of components already assessed by IMO, presenting safety hazards", "New Zealand Hazardous Substances and New Organisms (HSNO) Act - Dangerous Goods", "WHO Guidelines for Drinking-water Quality - Guideline values for chemicals that are of health significance in drinking-water", "New Zealand Workplace Exposure Standards (WES)"

## **SECTION 16 OTHER INFORMATION**

## Other information

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chernwatch Classification committee using available literature references.

The (M)SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment

This document is copyright. Apart from any fair dealing for the purposes of private study, research, review or criticism, as permitted under the Copyright Act, no part may be reproduced by any process without written permission from CHEMWATCH. TEL (+61 3) 9572 4700.