## SAFETY DATA SHEET



## SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name or designation

STEEL-IT #1002 Polyurethane (spray/brush grade)

of the mixture

Registration number

**Synonyms** None.

(M)SDS number SDS-1002-GFR Issue date 29-November-2012

Version number **01 Revision date** Supersedes date

1.2. Relevant identified uses of the substance or mixture and uses advised against

**Identified uses** Paint / Industrial coating.

Uses advised against None known.

1.3. Details of the supplier of the safety data sheet

Manufacturer Stainless Steel Coatings, Inc.

**Address** 835 Sterling Road, South Lancaster, MA, 01561

Telephone number +1 (978)365-9828 sds@steel-it.com e-mail

IHT GmbH Industrial Products Supplier

Fasaneweg 2 64380 Rossdorf Germany **Address** 

Telephone number +49-6071/74416 +49-6071/951535 e-mail iht.gmbh@t-online.de **Contact person** Kurt H.C. Böttcher

+1-800-424-9300, CHEMTREC 1.4. Emergency telephone

#### **SECTION 2: Hazards identification**

#### 2.1. Classification of the substance or mixture

## Classification according to Directive 67/548/EEC or 1999/45/EC as amended

This preparation is classified as dangerous according to Directive 1999/45/EC and its amendments. Classification R10, Carc. Cat. 3;R40, Xn;R48/20, Xi;R36/37/38, R43-67, N;R51/53

## Classification according to Regulation (EC) No 1272/2008 as amended

#### Physical hazards

Flammable liquids Category 3 H226 - Flammable liquid and

vapour.

**Health hazards** 

exposure

exposure

Skin corrosion/irritation Category 2 H315 - Causes skin irritation. Serious eye damage/eye irritation Category 2 H319 - Causes serious eye

irritation.

Skin sensitisation H317 - May cause an allergic skin Category 1

reaction.

Carcinogenicity Category 2 H351 - Suspected of causing

cancer.

Specific target organ toxicity - single Category 3 respiratory tract irritation H335 - May cause respiratory

Category 3 narcotic effects

irritation.

H336 - May cause drowsiness or

dizziness. exposure

Category 2 (Respiratory system) H373 - May cause damage to

organs (Respiratory system) through prolonged or repeated

exposure.

Specific target organ toxicity - single

Specific target organ toxicity - repeated

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906591 Version No.: 01 Revision date: -Issue date: 29-November-2012 **Environmental hazards** 

Hazardous to the aquatic environment,

long-term aquatic hazard

Category 2

H411 - Toxic to aquatic life with long lasting effects.

**Hazard summary** 

Physical hazards Flammable.

**Health hazards** Irritating to eyes, respiratory system and skin. Limited evidence of a carcinogenic effect. May

cause sensitisation by skin contact. Harmful: danger of serious damage to health by prolonged

exposure through inhalation. Vapours may cause drowsiness and dizziness.

**Environmental hazards** Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Overexposure to mists/vapors of this product may cause headache, dizziness, nausea, and

respiratory tract irritation.

**Main symptoms** Prolonged or repeated contact may dry skin and cause irritation. Sensitisation. Skin irritation.

Upper respiratory tract irritation. Drowsiness and dizziness.

#### 2.2. Label elements

Specific hazards

#### Label according to Regulation (EC) No. 1272/2008 as amended

Contains: 4-Chloro-.alpha.,.alpha.,.alpha.-trifluorotoluene, Distillates (petroleum), hydrotreated light, Nickel,

Solvent naphtha (petroleum), medium aliph., Stoddard solvent, Xylene

**Hazard pictograms** 



Signal word None.

**Hazard statements** H226 - Flammable liquid and vapour.

H319 - Causes serious eye irritation. H315 - Causes skin irritation.

H336 - May cause drowsiness or dizziness.

H335 - May cause respiratory irritation. H411 - Toxic to aquatic life with long lasting effects.

H317 - May cause an allergic skin reaction.

H351 - Suspected of causing cancer.

H373 - May cause damage to organs (Respiratory system) through prolonged or repeated

exposure.

**Precautionary statements** 

Prevention P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Keep container tightly closed. P240 - Ground/bond container and receiving equipment.

Wear protective gloves/clothing and eye/face protection. P264 - Wash thoroughly after handling.

Avoid breathing gas/mist/vapours/spray. P273 - Avoid release to the environment.

Response P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated

clothing. Rinse skin with water/shower.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 - If eye irritation persists: Get medical advice/attention.

P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable

for breathing.

Call a doctor if you fell unwell. P391 - Collect spillage.

Storage Not available.

**Disposal** Dispose of waste and residues in accordance with local authority requirements.

**Supplemental label information** Not applicable. **2.3. Other hazards** Not available.

## **SECTION 3: Composition/information on ingredients**

#### 3.2. Mixtures

**General information** 

Chemical name % CAS-No. / EC No. REACH Registration No. INDEX No. Notes

Stoddard solvent 20 - 30 8052-41-3 - 649-345-00-4

232-489-3

**Classification: DSD:** R10, Xn;R65, Xi;R38, R67, N;R51-53

**CLP:** Flam. Liq. 3;H226, Asp. Tox. 1;H304, Skin Irrit. 2;H315, STOT SE 3;H336, Aquatic

Chronic 2;H411

906591 Version No.: 01 Revision date: - Issue date: 29-November-2012

Chemical name % CAS-No. / EC No. REACH Registration No. INDEX No. Notes

4-Chloro-.alpha.,.alpha.,.trifluo 20 - 25 98-56-6 rotoluene 202-681-1

Classification: DSD: R10, Xi;R36/37/38, R52

CLP: Flam. Liq. 3;H226, Skin Irrit. 2;H315, Eye Irrit. 2;H319, STOT SE 3;H335

Solvent naphtha (petroleum), medium 5-7 64742-88-7 - 649-405-00-X

aliph.

265-191-7

-2-00-7 - 043-400-00-A

**Classification: DSD:** R10, Xn;R65, Xi;R38, R67, N;R51/53

CLP: Flam. Liq. 3;H226, Asp. Tox. 1;H304, Skin Irrit. 2;H315, STOT SE 3;H336, Aquatic

Chronic 2;H411

Chromium 2 - 5 7440-47-3 - - #

231-157-5

Classification: DSD: -

Classification:

CLP: -

Distillates (petroleum), hydrotreated 2 - 5 64742-47-8 - 649-422-00-2

light " 265-149-8

CLP: Flam. Liq. 3;H226, Asp. Tox. 1;H304, Skin Irrit. 2;H315, Acute Tox. 3;H331, STOT SE 3;H336,

Aquatic Chronic 2;H411

**DSD:** R10, Xn;R65, Xi;R38, R67, N;R51-53

Nickel 2 - 3 7440-02-0 - 028-002-00-7

231-111-4

**Classification: DSD:** Carc. Cat. 3;R40, T;R48/23, R43, R52/53

CLP: Skin Sens. 1;H317, Carc. 2;H351, STOT RE 1;H372, Aquatic Chronic 3;H412

Xylene 1 - 2 1330-20-7 - 601-022-00-9 #

215-535-7

Classification: DSD: R10, Xn;R20/21, Xi;R38

**CLP:** Flam. Liq. 3;H226, Acute Tox. 4;H312, Skin Irrit. 2;H315, Acute Tox. 4;H332

DSD: Directive 67/548/EEC. CLP: Regulation No. 1272/2008.

#: This substance has workplace exposure limit(s).

#. This substance has workplace exposure inflit(s).

Composition comments The full text for all R- and H-phrases is displayed in section 16. All concentrations are in percent

by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

## **SECTION 4: First aid measures**

General information Not available.

4.1. Description of first aid measures

**Inhalation** If symptomatic, move to fresh air. Get medical attention if symptoms persist.

**Skin contact** Wash area with soap and water. Get medical attention if irritation develops or persists.

Eye contact Check for and remove any contact lenses. Immediately flush with plenty of water for up to 15

minutes. Get medical attention immediately.

**Ingestion** Get medical attention if any discomfort occurs.

4.2. Most important symptoms and effects, both acute and delayed

Prolonged or repeated contact may dry skin and cause irritation. Sensitisation. Skin irritation.

Upper respiratory tract irritation. Headaches, dizziness and nausea.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

# **SECTION 5: Firefighting measures**

**General fire hazards** The product is a flammable liquid. Material will float and can be re-ignited on surface of water.

Containers may explode when heated.

5.1. Extinguishing media

Suitable extinguishing

media

Carbon dioxide (CO2). Foam. Dry chemical. Water fog.

Unsuitable extinguishing

media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

During fire, gases hazardous to health may be formed.

5.3. Advice for firefighters

Special protective equipment for firefighters

Self-contained breathing apparatus.

Special fire fighting

Not available.

procedures

#### **SECTION 6: Accidental release measures**

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

For non-emergency personnel

Ensure adequate ventilation. Wear suitable protective clothing. See Section 8 for personal

protective equipment.

For emergency responders

Keep unnecessary personnel away.

6.2. Environmental precautions

Prevent entry into waterways, sewer, basements or confined areas.

6.3. Methods and material for containment and cleaning up

Large Spills: Dike far ahead of liquid spill for later recovery and disposal. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

Small Liquid Spills: Absorb with sand or other non-combustable absorbent material.

Never return spills in original containers for re-use. Following product recovery, flush area with

water. Clean surface thoroughly to remove residual contamination.

6.4. Reference to other

sections

For personal protection, see section 8. For waste disposal, see section 13.

## **SECTION 7: Handling and storage**

7.1. Precautions for safe

handling

Use only with adequate ventilation. Wash thoroughly after handling. Observe good industrial

hygiene practices. Avoid inhalation of vapours and contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Store locked up. Keep container tightly closed and in a well-ventilated place. Store in closed

original container at room temperature. Store away from incompatible materials.

7.3. Specific end use(s) Paint / Industrial coating.

## **SECTION 8: Exposure controls/personal protection**

#### 8.1. Control parameters

## Occupational exposure limits

# Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)

Components	Туре	Value	
Distillates (petroleum), hydrotreated light (CAS 64742-47-8)	TWA	140 mg/m3	
Xylene (CAS 1330-20-7)	TWA	20 ppm 440 mg/m3	
		100 ppm	

## Germany. TRGS 900, Limit Values in the Ambient Air at the Workplace

Components	Туре	Value	Form
Chromium (CAS 7440-47-3)	AGW	2 mg/m3	Inhalable fraction.
Xvlene (CAS 1330-20-7)	AGW	200 mg/m3	

## EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU

Components	Туре	Value	
Chromium (CAS 7440-47-3)	TWA	2 mg/m3	
Xylene (CAS 1330-20-7)	STEL	442 mg/m3	
		100 ppm	
	TWA	221 mg/m3	
		50 ppm	

STEEL-IT #1002 Polyurethane (spray/brush grade)

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906591 Version No.: 01 Revision date: - Issue date: 29-November-2012

#### **Biological limit values**

#### Germany. TRGS 903, BAT List (Biological Limit Values)

Components	Value	Determinant	Specimen	Sampling time
Xylene (CAS 1330-20-7)	2 g/l	Methylhippur(Tc lur-)säure	Urine	*
	1,5 mg/l	Xylol	Blood	*
* - For sampling details, pl	ease see the source	ce document.		

Recommended monitoring procedures

Follow standard monitoring procedures.

#### Derived no-effect level (DNEL)

Components	Type	Route	Value	Form
Xylene (CAS 1330-20-7)	Workers	Dermal 180 mg/kg	Dermal 180 mg/kg Long term Systemic effects	Long term Systemic effects
		Inhalation	77 mg/m3	Long term Systemic effects
	Inhalation 289 mg/m3	289 mg/m3	Acute Local effects	
		Inhalation	289 mg/m3	Acute Systemic effects

#### Predicted no effect concentrations (PNECs)

Components	Туре	Route	Value	Form
Xylene (CAS 1330-20-7)	Aqua (freshwater)	Water	0,327 mg/l	
	Aqua (intermittent releases)	Water	0,327 mg/l	
	Aqua (marine water)	Water	0,327 mg/l	
	Sediment (freshwater)	Not applicable	12,46 mg/kg	
	Sediment (marine water)	Not applicable	12,46 mg/kg	
	Sewage Treatment Plant	Not applicable	6,58 mg/l	
	Soil	Soil	2,31 mg/kg	

#### 8.2. Exposure controls

Appropriate engineering

Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of

inhalation of vapours.

## Individual protection measures, such as personal protective equipment

General information

Use personal protective equipment as required. Personal protective equipment should be chosen

according to the CEN standards and in discussion with the supplier of the personal protective

equipment

Eye/face protection

Use approved safety goggles or face shield.

Skin protection

- Hand protection Wear appropriate chemical resistant gloves. Nitrile gloves are recommended. Suitable gloves can

be recommended by the glove supplier.

- Other Wear appropriate chemical resistant clothing to prevent any possibility of skin contact. Nitrile

chemical resistant gloves are recommended.

**Respiratory protection** In case of inadequate ventilation, use respiratory protection. Use respiratory equipment with

combination filter, type A2/P2.

**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.

Hygiene measures Always observe good personal hygiene measures, such as washing after handling the material

and before eating, drinking, and/or smoking. Routinely wash work clothing and protective

equipment to remove contaminants.

**Environmental exposure** 

controls

Environmental manager must be informed of all releases.

## **SECTION 9: Physical and chemical properties**

## 9.1. Information on basic physical and chemical properties

Appearance Liquid.
Physical state Liquid.
Form Liquid.
Colour Silver.

**Odour** Characteristic of solvents.

Odour threshold Not available.

STEEL-IT #1002 Polyurethane (spray/brush grade)

pH Not applicable.Melting point/freezing point Not available.

Initial boiling point and boiling 137 - 203 °C (278,6 - 397,4 °F)

range

Flash point  $37 \,^{\circ}\text{C} \, (98,6 \,^{\circ}\text{F})$ Evaporation rate  $0,9 \, (\text{butyl acetate} = 1)$ 

Flammability (solid, gas) Not applicable. Upper/lower flammability or explosive limits

Flammability limit - lower

(%)

Flammability limit - upper 10,5 %

(%)

Vapour pressure 5,3 mmHg at 20 °C
Vapour density 6,2 (Air = 1)
Relative density 1,15

Solubility(ies) Not available.

Partition coefficient < 1 (Log Pow)

(n-octanol/water)

**Auto-ignition temperature** 500 °C (932 °F) **Decomposition temperature** Not available.

Viscosity 700 cP (Brookfield #4 spindle @100rpm)

0.9 %

Explosive properties Not available.

Oxidizing properties No data available.

9.2. Other information

Bulk density Not applicable.

**VOC (Weight %)** 490 g/l

## **SECTION 10: Stability and reactivity**

**10.1. Reactivity**The product is non-reactive under normal conditions of use, storage and transport.

**10.2. Chemical stability** Material is stable under normal conditions.

10.3. Possibility of hazardous

reactions

Will not occur.

**10.4. Conditions to avoid** Heat, sparks, flames. Contact with incompatible materials.

**10.5. Incompatible materials** Strong oxidising agents.

**10.6. Hazardous** Metal oxides.

decomposition products

## **SECTION 11: Toxicological information**

**General information** Occupational exposure to the substance or mixture may cause adverse effects.

Information on likely routes of exposure

**Ingestion** Ingestion may cause nausea, headache and dizziness.

**Inhalation** Causes respiratory tract irritation.

Skin contactCauses skin irritation.Eye contactCauses eye irritation.

**Symptoms** Prolonged or repeated contact may dry skin and cause irritation. Sensitisation. Skin irritation.

Upper respiratory tract irritation. Headaches, dizziness and nausea.

11.1. Information on toxicological effects

Acute toxicity Overexposure to mists/vapors of this product may cause headache, dizziness, nausea, and

respiratory tract irritation. Causes skin, eye and respiratory tract irritation.

Components Species Test results

Distillates (petroleum), hydrotreated light (CAS 64742-47-8)

Acute

Dermal

LD50 Rabbit > 2000 mg/kg

Inhalation

LC50 Rat > 5,28 mg/l, 4 hours

STEEL-IT #1002 Polyurethane (spray/brush grade)

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Components **Species Test results** Oral LD50 Rat > 5000 mg/kg Stoddard solvent (CAS 8052-41-3)

Acute

Dermal

LD50 Rabbit > 2000 mg/kg

Inhalation

LC50 Rat > 5,2 mg/l, 4 hours

Oral

LD50 Rat > 5000 mg/kg

Xylene (CAS 1330-20-7)

Acute Oral

LD50 Rat 4300 mg/kg

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/irritation May cause eye irritation on direct contact.

Respiratory sensitisation None known.

Skin sensitisation May cause an allergic skin reaction.

There is no data to indicate that any component present at greater than 0.1% may present a risk. Germ cell mutagenicity

Suspected of causing cancer. Carcinogenicity

IARC Monographs. Overall Evaluation of Carcinogenicity

Chromium (CAS 7440-47-3) 3 Not classifiable as to carcinogenicity to humans.

Nickel (CAS 7440-02-0) 1 Carcinogenic to humans. 3 Not classifiable as to carcinogenicity to humans.

Solvent naphtha (petroleum), medium aliph. (CAS

64742-88-7)

Stoddard solvent (CAS 8052-41-3) 3 Not classifiable as to carcinogenicity to humans. Xylene (CAS 1330-20-7) 3 Not classifiable as to carcinogenicity to humans.

Reproductive toxicity Not available.

Specific target organ toxicity -

single exposure

May cause respiratory irritation. Vapours have a narcotic effect and may cause headache, fatigue, dizziness and nausea.

Specific target organ toxicity -

repeated exposure

May cause damage to organs through prolonged or repeated exposure: Respiratory system.

**Aspiration hazard** Not available Mixture versus substance

information

Not available.

Not available. Other information

**SECTION 12: Ecological information** 

12.1. Toxicity Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Components **Species Test results** 

Xylene (CAS 1330-20-7)

Aquatic

Fish LC50 Rainbow trout, donaldson trout 8 mg/l, 96 Hours

(Oncorhynchus mykiss)

12.2. Persistence and

degradability

No data available.

12.3. Bioaccumulative potential No data available.

Partition coefficient n-octanol/water (log Kow)

STEEL-IT #1002 Polyurethane (spray/brush grade) < 1, (Log Pow) Stoddard solvent 3,16 - 7,153,2 **Xylene** 

**Bioconcentration factor (BCF)** Not available. 12.4. Mobility in soil Not available.

12.5. Results of PBT Not a PBT or vPvB substance or mixture.

and vPvB assessment

## **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

**Residual waste** Dispose of waste and residues in accordance with local authority requirements.

Contaminated packaging Since emptied containers retain product residue, follow label warnings even after container is

emptied.

EU waste code 08 01 17\*

**Disposal methods/information** Must be incinerated in a suitable incineration plant holding a permit delivered by the competent

authorities. Do not allow this material to drain into sewers/water supplies. Do not contaminate

ponds, waterways or ditches with chemical or used container.

#### **SECTION 14: Transport information**

#### **ADR**

**14.1. UN number** UN1263

**14.2. UN proper shipping** Paint (Stoddard solvent)

name

14.3. Transport hazard 3

class(es)

Subsidiary class(es) 14.4. Packing group ||||
14.5. Environmental hazards Yes

Tunnel restriction code Not available.

Labels required 3

14.6. Special precautions

for user

Not available.

RID

**14.1. UN number** UN1263

**14.2. UN proper shipping** Paint (Stoddard solvent)

name

**14.3. Transport hazard** 3

class(es)

Subsidiary class(es) 14.4. Packing group III
14.5. Environmental hazards Yes
Labels required 3

14.6. Special precautions

for user

Not available.

ADN

**14.1. UN number** UN1263

14.2. UN proper shipping Paint (Stoddard solvent)

name

**14.3. Transport hazard** 3

class(es)

Subsidiary class(es) 14.4. Packing group III
14.5. Environmental hazards Yes
Labels required 3

14.6. Special precautions Not available.

for user

**IATA** 

**14.1. UN number** UN1263

**14.2. UN proper shipping** Paint (Stoddard solvent)

name

**14.3. Transport hazard** 3

class(es)

Subsidiary class(es) 14.4. Packing group III
14.5. Environmental hazards Yes

Labels required Not available.

ERG Code 3L

14.6. Special precautions

Not available.

for user

IMDG

**14.1. UN number** UN1263

8 / 10

**14.2. UN proper shipping** Paint (Stoddard solvent)

name

14.3. Transport hazard 3

class(es)

Subsidiary class(es) 14.4. Packing group ||||
14.5. Environmental hazards

Marine pollutant Yes

Labels requiredNot available.EmSF-E, S-E14.6. Special precautionsNot available.

for user

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC

This substance/mixture is not intended to be transported in bulk.

## **SECTION 15: Regulatory information**

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

## EU regulations

Code

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I

Not listed.

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex II

Not listed.

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1 as amended

Not listed

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2 as amended

Not listed

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3 as amended Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V as amended Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry

Not listed

Regulation (EC) No. 1907/2006, REACH Article 59(1) Candidate List as currently published by ECHA

Not listed.

#### **Authorisations**

Regulation (EC) No. 143/2011 Annex XIV Substances Subject to Authorisation

Not listed.

#### Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Nickel (CAS 7440-02-0)

Stoddard solvent (CAS 8052-41-3)

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work

Not regulated.

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding

Nickel (CAS 7440-02-0)

Stoddard solvent (CAS 8052-41-3)

## Other EU regulations

Directive 96/82/EC (Seveso II) on the control of major-accident hazards involving dangerous substances

Not regulated.

Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Distillates (petroleum), hydrotreated light (CAS 64742-47-8)

Nickel (CAS 7440-02-0)

Solvent naphtha (petroleum), medium aliph. (CAS 64742-88-7)

Stoddard solvent (CAS 8052-41-3)

Xylene (CAS 1330-20-7)

9 / 10

## Directive 94/33/EC on the protection of young people at work

Nickel (CAS 7440-02-0)

Stoddard solvent (CAS 8052-41-3)

Other regulations The product is classified and labelled in accordance with EC directives or respective national

laws. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.

**National regulations** 

Follow national regulation for work with chemical agents.

15.2. Chemical safety

No Chemical Safety Assessment has been carried out.

assessment

Water hazard class

**VwVwS** WGK2

## **SECTION 16: Other information**

List of abbreviations DSD: Directive 67/548/EEC

> CLP: Regulation No. 1272/2008. DNEL: Derived No-Effect Level.

PNEC: Predicted No-Effect Concentration.

TWA: Time weighted average.

References

HSDB (2005) RTECS (2010) **IUCLID** 

Information on evaluation method leading to the classification of mixture

The classification for health and environmental hazards is derived by a combination of calculation

methods and test data, if available.

Full text of any statements or R-phrases and H-statements under Sections 2 to 15

R10 Flammable.

R20/21 Harmful by inhalation and in contact with skin. R36/37/38 Irritating to eyes, respiratory system and skin.

R38 Irritating to skin.

R40 Limited evidence of a carcinogenic effect. R43 May cause sensitisation by skin contact.

R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation. R48/23 Toxic: danger of serious damage to health by prolonged exposure through inhalation.

R51 Toxic to aquatic organisms.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic

environment.

R52 Harmful to aquatic organisms.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic

R53 May cause long-term adverse effects in the aquatic environment.

R65 Harmful: may cause lung damage if swallowed. R67 Vapours may cause drowsiness and dizziness.

H226 - Flammable liquid and vapour.

H304 - May be fatal if swallowed and enters airways.

H312 - Harmful in contact with skin.

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H319 - Causes serious eye irritation.

H331 - Toxic if inhaled. H332 - Harmful if inhaled.

H335 - May cause respiratory irritation. H336 - May cause drowsiness or dizziness.

H351 - Suspected of causing cancer.

H372 - Causes damage to organs through prolonged or repeated exposure.

H411 - Toxic to aquatic life with long lasting effects. H412 - Harmful to aquatic life with long lasting effects.

**Training information** Disclaimer

Follow training instructions when handling this material.

The information in the sheet was written based on the best knowledge and experience currently

available.

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10 / 10