# SAFETY DATA SHEET

**According to the Hazard Communication Standard, 29 CFR 1910.1200**

**SDS # :** 30117

# SOLVAREX 9 A

**Date of the previous version:** 2015-10-12 **Revision Date:** *2015-10-23* **Version** *1.01*

## 1. IDENTIFICATION

**Product identifier**

**Product name** SOLVAREX 9 A

**Other means of identification**

**Product Code(s)** 30117

**Trade name** -
**Substance/mixture** Substance

**Recommended use of the chemical and restrictions on use**

**Identified uses** Manufacture of substances. Distribution of substance. Use as an intermediate. Formulation & (re)packing of substances and mixtures. Uses in Coatings. Use in Cleaning Agents. Lubricant. Use as binders and release agents. Use in Agrochemicals. Use as a fuel. Functional Fluids. Road and construction applications. Laboratory activities. Polymer processing.

**Uses advised against** Do not use for any purpose other than the one for which it is intended

**Details of the supplier of the safety data sheet**

**Supplier Address** TOTAL Specialties USA Inc
1201 Louisiana Street, Suite 1800
Houston, TX 77002
Phone: +1 800 323 3198

**Contact Point** Technical/ HSEQ

**E-mail Address** specialfluidsusa@total.com

**Emergency telephone number**

| | |
|---|---|
| **Company Phone Number** | +1 (713) 483-5039 |
| **Company Emergency Phone Number** | 1-866-GENERA-1 (1-866-436-3721) |
| **Emergency telephone** | CHEMTREC: +1 800 424 9300 (24h) |

## 2. HAZARDS IDENTIFICATION

**Classification**

Flammable liquids - Category 3
Specific target organ systemic toxicity (single exposure) - Category 3
Aspiration toxicity - Category 1

**Label elements**

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**DANGER**

**Hazard Statements**
Flammable liquid and vapor
May be fatal if swallowed and enters airways
May cause respiratory irritation
May cause drowsiness or dizziness

**Precautionary Statements - Prevention**
Avoid breathing dust/fume/gas/mist/vapours/ spray
Use only outdoors or in a well-ventilated area
Keep away from heat/sparks/open flames/hot surfaces. - No smoking
Keep container tightly closed
Ground/bond container and receiving equipment
Use explosion-proof electrical/ ventilating / lighting/ .? / equipment
Use only non-sparking tools
Take precautionary measures against static discharge
Wear protective gloves/protective clothing/eye protection/face protection
Keep cool

**Skin**
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
**Inhalation**
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Call a POISON CENTER or doctor/physician if you feel unwell
**Ingestion**
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
Do NOT induce vomiting
**Fire**
In case of fire: Use CO2, dry chemical, or foam for extinction

**Precautionary Statements - Storage**
Store in a well-ventilated place. Keep container tightly closed
Store locked up

**Precautionary Statements - Disposal**
Dispose of contents/ container to an approved waste disposal plant

**Unknown Acute Toxicity**
No information available

**Hazards not otherwise classified (HNOC)**

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Repeated exposure may cause skin dryness or cracking

**Other information**

**Physical-Chemical Properties** Vapors may form explosive mixtures with air.
Vapours are heavier than air and may spread near ground level to sources of ignition .
Friction generated by product discharge can create static charges of sufficient magnitude to cause SPARKS WHICH MAY LEAD TO FIRE OR EXPLOSION.

**Properties Affecting Health** May cause central nervous system depression. Repeated exposure may cause skin dryness or cracking.

**Environmental properties** Should not be released into the environment.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical nature** A complex and variable combination of aromatic hydrocarbons having mainly 9 atoms of carbon and boiling in the range of approximately 140°C to 200°C.

| Chemical Name | CAS-No | Weight % |
|---|---|---|
| Hydrocarbons, C9, aromatics | ^ | 100 |

**Additional information** Related CAS: 64742-95-6

**Other constituents required for disclosure**

| Chemical Name | CAS-No | Weight % |
|---|---|---|
| 1,3,5-Trimethylbenzene | 108-67-8 | 12 |
| Xylene (mixed isomers o, m, p) | 1330-20-7 | 0.5 |
| Ethylbenzene | 100-41-4 | 0.5 |
| Toluene | 108-88-3 | 0.1 |

## 4. FIRST AID MEASURES

**First aid measures for different exposure routes**

**General advice** Move contaminated patient(s) out of the dangerous area.
Take off contaminated clothing and shoes immediately.

**Eye contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
If irritation persists, call a physician.

**Skin contact** Wash off immediately with soap and plenty of water.

**Inhalation** Move to fresh air. Call a physician immediately.

| | |
|---|---|
| **Ingestion** | Do not ingest If swallowed then seek immediate medical assistance.<br>Risk of product entering the lungs on vomiting after ingestion. In this case, the casualty should be sent immediately to hospital. |
| **Protection of First-aiders** | Use personal protective equipment. |

**Most important symptoms/effects, acute and delayed**

| | |
|---|---|
| **Skin contact** | Repeated exposure may cause skin dryness or cracking. |
| **Eye contact** | Burning feeling and temporary redness. |
| **Inhalation** | Vapors inhaled in strong concentration have a narcotic effect on the central nervous system. The inhalation of vapours or aerosols may be irritating for the respiratory tract and for mucous membranes. |
| **Ingestion** | If swallowed accidentally, the product may enter the lungs due to its low viscosity and lead to the rapid development of very serious pulmonary lesions (medical survey during 48 hours). Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. |
| **Symptoms** | Vapors may cause drowsiness and dizziness. |

**Indication of immediate medical attention and special treatment needed, if necessary**

| | |
|---|---|
| **Notes to physician** | Treat symptomatically. |

## 5. FIRE-FIGHTING MEASURES

| | |
|---|---|
| **Suitable Extinguishing Media** | Carbon dioxide, Dry chemical, Foam, Water spray. |
| **Uniform Fire Code** | Combustible Liquid: II<br>Other Health Hazard: Target Organ Toxin--Liquid |
| **Unsuitable Extinguishing Media** | Do not use a solid water stream as it may scatter and spread fire. |
| **Special Hazard** | The colourless vapour is heavier than air, spreads along the ground and distant ignition is possible.<br>Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot. These may be highly dangerous if inhaled in confined spaces or at high concentration. |

**Explosion Data**

| | |
|---|---|
| **Sensitivity to Mechanical Impact** | None. |
| **Sensitivity to Static Discharge** | May be ignited by friction, heat, sparks or flames. |
| **Protective Equipment and Precautions for Firefighters** | As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Evacuate non-essential personnel. |

## 6. ACCIDENTAL RELEASE MEASURES

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

**General Information**

Use personal protective equipment.
Keep non-involved personnel away from the area of spillage.
Ensure adequate ventilation.
ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

**Other information**

Remove all sources of ignition.

**Environmental precautions**

**General Information**

Prevent further leakage or spillage if safe to do so. The product should not be allowed to enter drains, water courses or the soil. Local authorities should be advised if significant spillages cannot be contained. See Section 12 for additional Ecological Information.

**Methods and materials for containment and cleaning up**

**Methods for cleaning up**

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Following product recovery, flush area with water.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Advice on safe handling**

Use only in well-ventilated areas.
Avoid contact with skin, eyes and clothing.
Avoid breathing vapors or mists.
For personal protection see section 8.

**Technical measures**

Ensure adequate ventilation.

**Prevention of fire and explosion**

Keep away from open flames, hot surfaces and sources of ignition.
Do not smoke.
Take precautionary measures against static discharges.
Empty containers may contain flammable or explosive vapors.

**Hygiene measures**

When using, do not eat, drink or smoke.
Wash hands before breaks and at the end of workday.
Do not dry hands with rags that have been contaminated with product.
Avoid prolonged and repeated contact with the skin, especially with used or waste product.
Regular cleaning of equipment, work area and clothing is recommended.

**Conditions for safe storage, including any incompatibilities**

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**Technical measures/Storage conditions**

Keep containers tightly closed and properly labelled.
Store at room temperature. Store in cool/well-ventilated place.
Ground/bond containers, tanks and transfer/receiving equipment.
Use only hydrocarbon-resistant containers, seals, pipes, etc.
Storage installations should be designed with adequate bunds so as to prevent ground or water pollution in case of leaks or spills. Take precautionary measures against static discharges.
Keep away from heat and sources of ignition.
Keep in an area equipped with sprinklers.

**Packaging material**

Recommended materials. steel . Stainless steel. polytetrafluoroethylene (PTFE). PVA. Not Compatible. butyl-rubber. Natural Rubber. Polyethylene.

**Materials to Avoid**

Oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

**Exposure limits**

Ingredients with workplace control parameters.

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|---|---|---|---|
| 1,3,5-Trimethylbenzene<br>108-67-8 | - | - | TWA: 25 ppm<br>TWA: 125 mg/m³ |
| Xylene (mixed isomers o, m, p)<br>1330-20-7 | STEL 150 ppm<br>TWA 100 ppm | TWA: 100 ppm<br>TWA: 435 mg/m³<br>(vacated) TWA: 100 ppm<br>(vacated) TWA: 435 mg/m³<br>(vacated) STEL: 150 ppm<br>(vacated) STEL: 655 mg/m³ | |
| Ethylbenzene<br>100-41-4 | TWA 20 ppm | TWA: 100 ppm<br>TWA: 435 mg/m³<br>(vacated) TWA: 100 ppm<br>(vacated) TWA: 435 mg/m³<br>(vacated) STEL: 125 ppm<br>(vacated) STEL: 545 mg/m³ | IDLH: 800 ppm<br>TWA: 100 ppm<br>TWA: 435 mg/m³<br>STEL: 125 ppm<br>STEL: 545 mg/m³ |
| Toluene<br>108-88-3 | TWA 20 ppm | TWA: 200 ppm<br>(vacated) TWA: 100 ppm<br>(vacated) TWA: 375 mg/m³<br>(vacated) STEL: 150 ppm<br>(vacated) STEL: 560 mg/m³<br>Ceiling: 300 ppm | IDLH: 500 ppm<br>TWA: 100 ppm<br>TWA: 375 mg/m³<br>STEL: 150 ppm<br>STEL: 560 mg/m³ |

**Advisory OEL**

CEFIC-HSPA : 100 mg/m³

**Biological standards**

| Chemical Name | ACGIH |
|---|---|
| Xylene (mixed isomers o, m, p)<br>1330-20-7 | Methylhippuric acids in urine 1.5 g/g creatinine -end of shift |

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| | |
|---|---|
| Ethylbenzene<br>100-41-4 | Sum of mandelic acid and phenylglyoxylic acid in urine 0.7 g/g creatinine<br>-end of shift at end of workweek<br>Ethyl benzene in end-exhaled air -not critical |
| Toluene<br>108-88-3 | Toluene in blood 0.02 mg/L -prior to last shift of workweek<br>Toluene in urine 0.03 mg/L -end of shift<br>o-Cresol with hydrolysis in urine 0.3 mg/g creatinine -end of shift |

**Exposure controls**

**Engineering Measures**
Apply technical measures to comply with the occupational exposure limits.
When working in confined spaces (tanks, containers, etc.), ensure that there is a supply of air suitable for breathing and wear the recommended equipment.

**Individual protection measures, such as personal protective equipment**

**General Information**
These recommendations apply to the product as supplied.
If the product is used in mixtures, it is recommended that you contact the appropriate protective equipment suppliers.

**Eye/Face Protection**
If splashes are likely to occur, wear:. Safety glasses with side-shields.

**Skin and body protection**
Wear suitable protective clothing. Protective shoes or boots.

**Hand Protection**
Protective gloves.

**Respiratory protection**
If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**Hygiene measures**
When using, do not eat, drink or smoke.
Wash hands before breaks and at the end of workday.
Do not dry hands with rags that have been contaminated with product.
Avoid prolonged and repeated contact with the skin, especially with used or waste product.
Regular cleaning of equipment, work area and clothing is recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical and chemical properties**

| | |
|---|---|
| **Color** | colorless |
| **Physical State @20°C** | liquid |
| **Odor** | Aromatic Hydrocarbon-like |
| **Odor Threshold** | No information available |

| Property | Values | Remarks | Method |
|---|---|---|---|
| **pH** | | Not applicable | |
| **Melting point/range** | | No information available | |

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| | | | |
|---|---|---|---|
| **Boiling point/boiling range** | **161.6 - 170.1 °C** | | ASTM D 850 |
| | 323 - 338 °F | | ASTM D 850 |
| **Flash point** | **43 °C** | | ISO 13736 |
| | 109 °F | | ISO 13736. |
| **Evaporation rate** | 36 | EtEt=1 | DIN 53170 |
| **Flammability Limits in Air** | | | |
| **upper** | 7 % | | |
| **Lower** | 0.7 % | | |
| **Vapor Pressure** | 3 hPa | @ 20 °C | |
| **Vapor density** | | No information available | |
| **Relative density** | | No information available | |
| **Density** | 873 kg/m³ | @ 15 °C | NF T 60172 |
| **Water solubility** | | Not applicable | |
| **Solubility in other solvents** | | No information available | |
| **logPow** | | Not applicable | |
| **Autoignition temperature** | **> 400 °C** | | |
| | > 752 °F | | |
| **Decomposition temperature** | | No information available | |
| **Viscosity, kinematic** | 0.75 mm2/s | @ 40 °C | ISO 3104 |
| **Viscosity, dynamic** | | | |

| | |
|---|---|
| **Explosive properties** | Not considered explosive based on chemical structure and oxygen balance considerations |
| **Oxidizing Properties** | This product is not considered oxidising based on chemical structure considerations |
| **Possibility of hazardous reactions** | Not applicable |
| **Other information** | |

| | | | |
|---|---|---|---|
| **Surface tension** | 0.0214 N/m | @ 20 °C | EN 14370 |
| **Freezing Point** | | No information available | |
| **Pour point** | < -30 °C | | ASTM D 5950 |

## 10. STABILITY AND REACTIVITY

**Reactivity** None under normal processing.

**Chemical stability** Stable under recommended storage conditions.

**Possibility of hazardous reactions** No information available.

**Conditions to Avoid** Heat, flames and sparks. Take precautionary measures against static discharges.

**Incompatible Materials** Oxidizing agents.

**Hazardous Decomposition Products** None under normal conditions at ambient temperatures.

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

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**Product Information** Product does not present an acute toxicity hazard based on known or supplied information.

**Information on likely routes of exposure**

**Principle Routes of Exposure** Inhalation, Ingestion, Eye contact, Skin contact.

**Numerical measures of toxicity**

**ATEmix (oral)** 3492 mg/kg
**ATEmix (dermal)** 5001 mg/kg mg/l

**Component Information**

| Chemical Name | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|---|---|---|---|
| Hydrocarbons, C9, aromatics ^ | LD50 = 3492 mg/kg bw (rat - OECD 401) | LD50 (24h) > 3160 mg/kg bw (rabbit - OECD 402) | LC50(4h) > 6193 mg/m³ (Rat - Vapour - OECD 403) |

**Information on toxicological effects**

**Symptoms** Vapors may cause drowsiness and dizziness.

**Skin contact** Repeated exposure may cause skin dryness or cracking.

**Eye contact** Burning feeling and temporary redness.

**Inhalation** Vapors inhaled in strong concentration have a narcotic effect on the central nervous system. The inhalation of vapours or aerosols may be irritating for the respiratory tract and for mucous membranes.

**Ingestion** If swallowed accidentally, the product may enter the lungs due to its low viscosity and lead to the rapid development of very serious pulmonary lesions (medical survey during 48 hours). Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

## Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Skin corrosion/irritation** Not classified.
**Serious eye damage/eye irritation** Not classified.
**Sensitization** Not classified as a sensitizer.
**Carcinogenicity** This product is not classified carcinogenic.

| Chemical Name | ACGIH | IARC | NTP | OSHA |
|---|---|---|---|---|
| Ethylbenzene 100-41-4 | A3 | 2B | | X |

**ACGIH: (American Conference of Governmental Industrial Hygienists)** A3 - Animal Carcinogen
**IARC: (International Agency for Research on Cancer)** Group 2B - Possibly Carcinogenic to Humans
**OSHA: (Occupational Safety & Health Administration)** X - Present

**Mutagenicity** The mutagenic potential of the substance has been extensively studied in a range of in-vivo and in-vitro assays.
**Germ Cell Mutagenicity** Genetic toxicity : negative.

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|---|---|
| **Reproductive toxicity** | This product does not present any known or suspected reproductive hazards. |
| **Target Organ Effects (STOT)** | Central nervous system. |
| **STOT-single exposure** | Vapors may cause drowsiness and dizziness. |
| **STOT - repeated exposure** | Not Classified. |
| **Other adverse effects** | Frequent or prolonged skin contact destroys the lipoacid cutaneous layer and may cause dermatitis.<br>Repeated exposure may cause skin dryness or cracking. |
| **Aspiration Hazard** | May be fatal if swallowed and enters airways. |

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** Toxic to aquatic life with long lasting effects

**Acute aquatic toxicity - Product Information**

Not applicable

**Acute aquatic toxicity - Component Information**

| Chemical Name | Toxicity to algae | Toxicity to fish | Toxicity to daphnia and other aquatic invertebrates | Toxicity to microorganisms |
|---|---|---|---|---|
| Hydrocarbons, C9, aromatics ^ | ErL50 (72h) = 2.9 mg/l (Pseudokirchneriella subcapitata - OECD 201)<br>EbL50 (72h) = 2.6 mg/l (Pseudokirchneriella subcapitata - OECD 201) | LL50 (96h) = 9.2 mg/l (Oncorhynchus mykiss - OECD 203) | EL50 (48h) = 3.2 mg/l (Daphnia magna - OECD 202) | - |

**Chronic aquatic toxicity - Product Information**

Not applicable

**Chronic aquatic toxicity - Component Information**

| Chemical Name | Toxicity to algae | Toxicity to daphnia and other aquatic invertebrates | Toxicity to fish | Toxicity to microorganisms |
|---|---|---|---|---|
| Hydrocarbons, C9, aromatics ^ | | NOELR (21d) = 2.14 mg/l (Daphnia magna - QSAR Petrotox) | NOELR (28d) = 1.23 mg/l (Oncorhynchus mykiss - QSAR Petrotox) | |

**Effects on terrestrial organisms** No information available.

**Persistence and degradability**

**General Information** Readily biodegradable ( 78 % after 28 days).

| Biodegradation | | | | | | |
|---|---|---|---|---|---|---|
| Type | Method | Sampling time | Specific effects | Values | Unit | Biodegradability |
| | OECD 301 F | 28 days | | 78 | % | Readily biodegradable |

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**Bioaccumulative potential**

**Product Information** Measured experimental data on hydrocarbon UVCB substances are not meaningful, since each of the constituents is likely to behave differently.

**logPow** Not applicable

**Component Information** Not applicable.

**Mobility**

**Soil** Substance is a UVCB. Standard tests for this endpoint are not appropriate

**Other adverse effects**

**General Information** No information available

## 13. DISPOSAL CONSIDERATIONS

**Waste treatment**

**Waste Disposal Methods** Dispose of in accordance with local regulations. Should not be released into the environment.

**Contaminated packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not cut, weld, bore, burn or incinerate emptied containers, unless they have been cleaned and declared safe.

**US EPA Waste Number** D001

| Chemical Name | RCRA | RCRA - Basis for Listing | RCRA - D Series Wastes | RCRA - U Series Wastes |
|---|---|---|---|---|
| Xylene (mixed isomers o, m, p)<br>1330-20-7 | | Included in waste stream:<br>F039 | | Ignitable waste |
| Ethylbenzene<br>100-41-4 | | Included in waste stream:<br>F039 | | |
| Toluene<br>108-88-3 | U220 | Included in waste streams:<br>F005, F024, F025, F039, K015, K036, K037, K149, K151 | | |

This product contains one or more substances that are listed with the State of California as a hazardous waste.

| Chemical Name | California Hazardous Waste Status |
|---|---|
| Xylene (mixed isomers o, m, p)<br>1330-20-7 | Toxic<br>Ignitable |
| Ethylbenzene<br>100-41-4 | Toxic<br>Ignitable |
| Toluene<br>108-88-3 | Toxic<br>Ignitable |

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## 14. TRANSPORT INFORMATION

**DOT**

| | |
|---|---|
| **UN/ID No** | UN1268 |
| **Proper shipping name** | PETROLEUM DISTILLATES, N.O.S. |
| **Hazard class** | 3 |
| **Packing Group** | III |
| **Special Provisions** | 144, B1, IB3, T4, TP1, TP29 |
| **Description** | UN1268, PETROLEUM DISTILLATES, N.O.S., 3, III |
| **Emergency Response Guide Number** | 128 |

**TDG**

| | |
|---|---|
| **UN/ID No** | UN1268 |
| **Proper shipping name** | PETROLEUM DISTILLATES, N.O.S. |
| **Hazard class** | 3 |
| **Packing Group** | III |
| **Description** | UN1268, PETROLEUM DISTILLATES, N.O.S., 3, III |

**MEX**

| | |
|---|---|
| **UN/ID No** | UN1268 |
| **Proper shipping name** | PETROLEUM DISTILLATES, N.O.S. |
| **Hazard class** | 3 |
| **Special Provisions** | 223 |
| **Packing Group** | III |
| **Description** | UN1268, PETROLEUM DISTILLATES, N.O.S., 3, III |

**ICAO/IATA**

| | |
|---|---|
| **UN/ID No** | UN1268 |
| **Proper shipping name** | Petroleum distillates, n.o.s. |
| **Hazard class** | 3 |
| **Packing Group** | III |
| **Special Provisions** | A3 |
| **Description** | UN1268, Petroleum distillates, n.o.s., 3, III |

**IMDG/IMO**

| | |
|---|---|
| **UN/ID No** | UN1268 |
| **Proper shipping name** | Petroleum distillates, n.o.s. |
| **Hazard class** | 3 |
| **Packing Group** | III |
| **EmS No.** | F-E, S-E |
| **Special Provisions** | 223, 363, 955 |
| **Description** | UN1268, Petroleum distillates, n.o.s., 3, III |
| **Excepted Quantity** | E1 |
| **Limited quantity** | 5 L |

**ADR/RID**

| | |
|---|---|
| **UN/ID No** | UN1268 |
| **Proper shipping name** | PETROLEUM DISTILLATES, N.O.S. |

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| | |
|---|---|
| **Hazard class** | 3 |
| **Packing Group** | III |
| **Classification Code** | F1 |
| **Tunnel Restriction Code** | (D/E) |
| **Special Provisions** | 363 |
| **Description** | UN1268, PETROLEUM DISTILLATES, N.O.S., 3, III, (D/E) |
| **Environmental hazard** | Yes |

**ADN**

| | |
|---|---|
| **UN/ID No** | UN1268 |
| **Proper shipping name** | PETROLEUM DISTILLATES, N.O.S. |
| **Hazard class** | 3 |
| **Packing Group** | III |
| **Classification Code** | F1 |
| **Special Provisions** | 363 |
| **Description** | UN1268, PETROLEUM DISTILLATES, N.O.S., 3, III |
| **Hazard Labels** | 3 |
| **Limited quantity** | 5 L |
| **Ventilation** | VE01 |

## 15. REGULATORY INFORMATION

**Related CAS** 64742-95-6

**International Inventories** The substance is listed or exempted from listing in the following inventories:
U.S.A. (TSCA)
Canada (DSL/NDSL)
Europe (EINECS/ELINCS/NLP)
Australia (AICS)
Korea (KECL)
China (IECSC)
Philippines (PICCS)
New Zealand (NZIoC)

### U.S. Federal Regulations

**SARA 313**
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

| Chemical Name | CAS-No | Weight % | SARA 313 - Threshold Values % |
|---|---|---|---|
| Xylene (mixed isomers o, m, p) | 1330-20-7 | 0.5 | 1.0 |
| Ethylbenzene | 100-41-4 | 0.5 | 0.1 |
| Toluene | 108-88-3 | 0.1 | 1.0 |

**SARA 311/312 Hazard Categories**

| | |
|---|---|
| **Acute Health Hazard** | Yes |
| **Chronic Health Hazard** | no |
| **Fire Hazard** | Yes |
| **Sudden Release of Pressure Hazard** | no |
| **Reactive Hazard** | no |

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**Clean Water Act**
This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

| Chemical Name | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|---|---|---|---|---|
| Xylene (mixed isomers o, m, p)<br>1330-20-7 | 100 lb | | | X |
| Ethylbenzene<br>100-41-4 | 1000 lb | X | X | X |
| Toluene<br>108-88-3 | 1000 lb | X | X | X |

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**
This product contains the following substances which are listed hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act:

| Chemical Name | CAS-No | Weight % | HAPS data | VOC Chemicals | Class 1 Ozone Depletors | Class 2 Ozone Depletors |
|---|---|---|---|---|---|---|
| Xylene (mixed isomers o, m, p) | 1330-20-7 | 0.5 | | Group I | | |
| Ethylbenzene | 100-41-4 | 0.5 | | Group I | | |
| Toluene | 108-88-3 | 0.1 | | Group I | | |

**CERCLA**
This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

| Chemical Name | Hazardous Substances RQs | Extremely Hazardous Substances RQs |
|---|---|---|
| Xylene (mixed isomers o, m, p) | 100 lb | |
| Ethylbenzene | 1000 lb | |
| Toluene | 1000 lb | |

## U.S. State Regulations

**California Proposition 65**
This product contains the following Proposition 65 chemicals:

| Chemical Name | Weight % | California Prop. 65 |
|---|---|---|
| Ethylbenzene - 100-41-4 | 0.5 | Carcinogen |
| Toluene - 108-88-3 | 0.1 | Developmental<br>Female Reproductive |

**U.S. State Right-to-Know Regulations**

| Chemical Name | Massachusetts | New Jersey | Pennsylvania | Illinois |
|---|---|---|---|---|
| 1,3,5-Trimethylbenzene<br>108-67-8 | X | | | |

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| | | | | |
|---|---|---|---|---|
| Xylene (mixed isomers o, m, p)<br>1330-20-7 | X | X | X | X |
| Ethylbenzene<br>100-41-4 | X | X | X | X |
| Toluene<br>108-88-3 | X | X | X | X |

## 16. OTHER INFORMATION

| | | | | |
|---|---|---|---|---|
| **NFPA** | **Health Hazard** 2 | **Flammability** 2 | **Instability** 0 | **Physical and chemical hazards** - |
| **HMIS** | **Health Hazard** 2 | **Flammability** 2 | **Physical Hazard** 0 | **Personal protection** X |

NFPA (National Fire Protection Association)
HMIS (Hazardous Material Information System)
Hazards are split into categories each with a 0 to 4 rating, 0 meaning no hazard and 4 meaning high hazard

**Revision Date:** 2015-10-23
**Revision Note** (M)SDS sections updated: 15, 16
**Abbreviations, acronyms**
UVCB = Substance of unknown or Variable composition, Complex reaction products or Biological material
OECD = Organization for Economic Co-operation and Development
bw = body weight
bw/day = body weight/day
GLP = Good Laboratory Practice
dw = dry weight
fw = fresh water
mw = marine water
or = occasional release
LD50 = 50% Lethal Dose - Chemical amount, given at once, which causes the death of 50% (one half) of a group of test animals
LC50 = 50% Lethal concentration - Concentration of a chemical in air or a chemical in water which causes the death of 50% (one half) of a group of test animals
LL = Lethal Loading
SCBA = Self Contained Breathing Apparatus

**Legend**
Section 8
ACGIH - American Conference of Governmental Industrial Hygienists
OSHA - Occupational Safety and Health Administration
NIOSH - National Institute for Occupational Safety and Health
TLV - Threshold Limit Values
PEL - Permissible Exposure Limits
IDHL - Immediately Dangerous to Life or Health concentrations
TWA - Time Weight Average
STEL - Short Term Exposure Limits
S* - Skin notation
TSCA - Toxic Substance Control Act

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**This safety data sheet serves to complete but not to replace the technical product sheets. The information contained herein is given in good faith and is accurate to the best of knowledge at the date indicated above.It is understood by the user that any use of the product for purposes other than those for which it was designed entails potential risk.The information given herein in no way dispenses the user from knowing and applying all provisions regulating his activity.The user bears sole liability for the precautions required when using the product.The regulatory texts indicated herein are intended to aid the user to fulfil his obligations. This list is not to be considered complete and exhaustive.It is the user's responsibility to ensure that he is subject to no other obligations than those mentioned.**

**End of the safety data sheet**