



Safety Data Sheet

According to Regulation (EC) No 1272/2008 (CLP) and (EC) No 1907/2006 (REACH)

Initial preparation date: 06.28.2016

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B Compound

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

1.1 Product identifier

Product Name: B Compound

Product code: 858B, 859B

Additional information: Rev 1.0

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

Relevant identified uses: Rubber Filler

Uses advised against: Not determined or not applicable.

Reasons why uses advised against: Not determined or not applicable.

1.3 Details of the manufacturer/supplier of the safety data sheet

Manufacturer:

North America

Tech International
200 East Coshocton Street
Johnstown, OH 43031
1-740-967-9015

Supplier:

United Kingdom

Tech International Europe
15 Ballinderry Road
Lisburn, BT28 2SA, UK
0044 2892 665721
info@techeurope.co.uk

1.4 Emergency telephone number:

European Union

CHEMTREC

UK (London) +(44)-870-8200418

Poland (Warsaw) +(48)-223988029

Sweden (Stockholm) +(46)-852503403

SECTION 2: Hazard(s) identification

2.1 Classification of the substance or mixture:

Classification according to Regulation (EC) No1278/2008 (CLP):

Flammable liquids, category 2

Skin irritation, category 2

Skin sensitization, category 1

Aspiration hazard, category 1

Specific target organ toxicity - single exposure, category 3, central nervous system

Specific target organ toxicity - repeated exposure, category 2

Reproductive toxicity, category 2

Chronic aquatic hazard, category 3

Hazard-determining components of labeling:

2,2' Dibenzamido diphenyl disulphide

Toluene

Zinc oxide

Phenol, 4-Methyl-, Reaction Products With Dicyclopentadiene And Isobutylene

Hydrotreated Light Naphthenic Distillates

Sulfur

Hydrotreated Heavy Paraffinic Distillates

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Distillates, Petroleum, Solvent-Dewaxed Heavy Paraffinic
Insoluble sulfur
Distillates (petroleum), hydrotreated heavy naphthenic
Hydrotreated Heavy Naphthenic Distillates

2.2 Label elements

Hazard pictograms:



Signal word: Danger

Hazard statements:

H225 Highly flammable liquid and vapor.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H304 May be fatal if swallowed and enters airways.
H336 May cause drowsiness or dizziness.
H373 May cause damage to organs through prolonged or repeated exposure.
H361 Suspected of damaging fertility or the unborn child.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P202 Do not handle until all safety precautions have been read and understood.
P264 Wash skin thoroughly after handling.
P260 Do not breathe dust/fume/gas/mist/vapors/spray.
P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing should not be allowed out of the workplace.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting equipment.
P242 Use only non-sparking tools.
P273 Avoid release to the environment.
P243 Take precautionary measures against static discharge.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P201 Obtain special instructions before use.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P321 Specific treatment (see supplemental first aid instructions on this label).
P302+P352 IF ON SKIN: Wash with plenty of water.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P331 Do NOT induce vomiting.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P370+P378 In case of fire: Use agents recommended in Section 5 to extinguish.
P304+P340+P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell.
P362+P364 Take off contaminated clothing and wash it before reuse.
P405 Store locked up.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P403+P235 Store in a well ventilated place. Keep cool.
P501 Dispose of contents/container as instructed in Section 13.

2.3 Other hazards: None known

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SECTION 3: Composition/information on ingredients

3.1 **Substance:** Not applicable.

3.2 **Mixture:**

| Identification | Name | Classification according to Regulation (EC) No1278/2008 (CLP) | Weight % |
|--|---|--|----------|
| CAS number: 9003-31-0 EC number: 618-362-9 | Natural Rubber | Not classified | 33-43 |
| CAS number: 1333-86-4 EC number: 215-609-9 | Carbon Black | Not classified | 15-20 |
| CAS number: 68610-51-5 EC number: 271-867-2 | Phenol, 4-Methyl-, Reaction Products With Dicyclopentadiene And Isobutylene | Repr. 2; H361 Aquatic Chronic 4; H413 | 0.2-0.6 |
| CAS number: 8042-47-5 EC number: 232-455-8 | Mineral Oil | Not classified | 0.5-1 |
| CAS number: 108-88-3 EC number: 203-625-9 | Toluene | Asp. Tox. 1; H304 Skin Irrit. 2 ; H315 Stot SE 3; H336 Stot RE 2; H373 Repr. 2; H361 Flam. Liq. 2; H225 | 30-40 |
| CAS number: 7704-34-9 EC number: 231-722-6 | Sulfur | Skin Irrit. 2 ; H315 | 0.1-0.5 |
| CAS number: 135-57-9 EC number: 205-201-9 | 2,2' Dibenzamido diphenyl disulphide | Skin Sens. 1; H317 Aquatic Chronic 4; H413 | <0.25 |
| CAS number: 57-11-4 EC number: 200-313-4 | Stearic acid | Not classified | 0.25-0.5 |
| CAS number: 64742-65-0 EC number: 265-169-7 | Distillates, Petroleum, Solvent-Dewaxed Heavy Paraffinic | Not classified | 0.1-0.2 |
| CAS number: 9035-99-8 | Insoluble sulfur | Eye Irrit. 2; H319 | 1.5-2 |

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| | | | |
|--|--|--|-----------|
| CAS number: 64742-52-5 EC number: 265-155-0 | Hydrotreated Heavy Naphthenic Distillates | Not classified | 0.1-0.2 |
| CAS number: 64742-54-7 EC number: 265-157-1 | Hydrotreated Heavy Paraffinic Distillates | Not classified | 0.1-0.2 |
| CAS number: 1314-13-2 EC number: 215-222-5 | Zinc oxide | Aquatic Acute 1; H400 Aquatic Chronic 1; H410 | 1.75-2.25 |
| CAS number: 64742-53-6 EC number: 265-156-6 | Hydrotreated Light Naphthenic Distillates | Not classified | 0.1-0.2 |

Additional information:

Carbon black is classified as a carcinogen only in its respirable form. Since the carbon black in this product is not respirable, the product itself is not classified as a carcinogen in the form presented.

According to Note L of the European Directive 67/548/CEE, the "distillates (petroleum)" substances should not be classified as "carcinogenic" ingredients, because it has been shown that the substances contain less than 3% DMSO extract as measured by IP 346.

Full Text of H and EUH statements: See section 16

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes:

Not determined or not available.

Following inhalation:

Loosen clothing as necessary and position individual in a comfortable position

Maintain an unobstructed airway

Get medical advice/attention if you feel unwell

Following skin contact:

Take off all contaminated clothing

Gently blot or brush away excess product

Wash with plenty of lukewarm, gently flowing water

Get medical advice if skin irritation occurs or you feel unwell

Following eye contact:

Rinse/flush exposed eye(s) gently using water for 15-20 minutes

If symptoms develop or persist, seek medical attention

Following ingestion:

Rinse mouth thoroughly

Seek medical attention if irritation, discomfort, or vomiting persists

4.2 Most important symptoms and effects, both acute and delayed

Acute symptoms and effects:

Not determined or not available.

Delayed symptoms and effects:

Not determined or not available.

4.3 Indication of any immediate medical attention and special treatment needed

Specific treatment:

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Not determined or not available.

Notes for the doctor:

Not determined or not available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

Use Water (fog only), dry chemical, chemical foam, carbon dioxide, or alcohol-resistant foam.

Unsuitable extinguishing media:

Do not use a water stream as an extinguisher.

5.2 Special hazards arising from the substance or mixture:

Thermal decomposition can lead to release of irritating gases and vapors.

Vapors can flow to distant ignition sources and flashback.

Liquid is volatile and may generate an explosive atmosphere.

5.3 Advice for firefighters

Personal protection equipment:

Use typical firefighting equipment, self-contained breathing apparatus, special tightly sealed suit.

Special precautions:

Shut off sources of ignition.

Carbon monoxide and carbon dioxide may form upon combustion.

Heating causes a rise in pressure, risk of bursting and combustion.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation.

Ensure air handling systems are operational.

Wear protective eye wear, gloves and clothing.

Beware of vapors accumulating to form explosive concentrations.

Vapors can accumulate in low areas.

6.2 Environmental precautions:

Should not be released into the environment.

Prevent from reaching drains, sewer or waterway.

6.3 Methods and material for containment and cleaning up:

Wear protective eye wear, gloves and clothing.

Use spark-proof tools and explosion-proof equipment.

Absorb with non-combustible liquid-binding material (sand, diatomaceous earth (clay), acid binders, universal binders).

Dispose of contents / container in accordance with local regulations.

6.4 Reference to other sections:

Not determined or not applicable.

SECTION 7: Handling and storage

7.1 Precautions for safe handling:

Use only with adequate ventilation.

Avoid breathing mist or vapor.

Do not eat, drink, smoke or use personal products when handling chemical substances.

Take precautionary measures against electrostatic discharges.

Use only non-sparking tools.

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7.2 Conditions for safe storage, including any incompatibilities:

- Keep container tightly sealed.
- Protect from freezing and physical damage.
- Store in a cool, well-ventilated area.
- Store away from all ignition sources (open flames, hot surfaces, direct sunlight, spark sources).

7.3 Specific end use(s):

Not determined or not applicable.

SECTION 8: Exposure controls/personal protection



8.1 Control parameters

Only those substances with limit values have been included below.

Occupational Exposure limit values:

| Country (Legal Basis) | Substance | Identifier | Permissible concentration |
|---|--|---|---|
| Bulgaria | Hydrotreated Heavy Naphthenic Distillates | 64742-52-5 | TWA: 5.0 mg/m ³ |
| | Zinc oxide | 1314-13-2 | TWA: 5.0 mg/m ³ |
| | Zinc oxide | 1314-13-2 | 15-minute STEL: 10.0 mg/m ³ |
| | Hydrotreated Light Naphthenic Distillates | 64742-53-6 | TWA: 5.0 mg/m ³ |
| | Toluene | 108-88-3 | TWA: 192.0 mg/m ³ (50 ppm) |
| | Toluene | 108-88-3 | 15-minute STEL: 384.0 mg/m ³ (100 ppm) |
| | Mineral Oil | 8042-47-5 | TWA: 5.0 mg/m ³ (petroleum) |
| | Distillates, Petroleum, Solvent-Dewaxed Heavy Paraffinic | 64742-65-0 | TWA: 5.0 mg/m ³ (Oil - mineral, petroleum) |
| | Distillates (petroleum), hydrotreated heavy naphthenic | 64742-52-5 | TWA: 5.0 mg/m ³ |
| | Hydrotreated Heavy Paraffinic Distillates | 64742-54-7 | TWA: 5.0 mg/m ³ (Oil - Mineral, petroleum) |
| Czech Republic | Mineral Oil | 8042-47-5 | TWA: 5.0 mg/m ³ (petroleum) |
| | Hydrotreated Heavy Naphthenic Distillates | 64742-52-5 | 8-hour TWA: 5 mg/m ³ (Mineral oils, aerosol) |
| | Hydrotreated Heavy Naphthenic Distillates | 64742-52-5 | 8-hour TWA: 200 mg/m ³ (Solvent naphtha) |
| | Hydrotreated Heavy Naphthenic Distillates | 64742-52-5 | Ceiling limit (NPK-P): 10 mg/m ³ (Mineral oils, aerosol) |
| | Hydrotreated Heavy Naphthenic Distillates | 64742-52-5 | Ceiling limit (NPK-P): 1000 mg/m ³ (Solvent naphtha) |
| | Zinc oxide | 1314-13-2 | 8-hour TWA: 2 mg/m ³ (as Zn) |
| | Zinc oxide | 1314-13-2 | Ceiling limit (NPK-P): 5 mg/m ³ (Fumes) |
| | Hydrotreated Light Naphthenic Distillates | 64742-53-6 | 8-hour TWA: 5 mg/m ³ (Mineral oils, aerosol) |
| Hydrotreated Light Naphthenic Distillates | 64742-53-6 | Ceiling limit (NPK-P): 10 mg/m ³ (Mineral oils, aerosol) | |

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| Country (Legal Basis) | Substance | Identifier | Permissible concentration |
|-----------------------|--|------------|--|
| | Hydrotreated Light Naphthenic Distillates | 64742-53-6 | 8-hour TWA: 200 mg/m ³ (Solvent naphtha) |
| | Hydrotreated Light Naphthenic Distillates | 64742-53-6 | Ceiling limit (NPK-P): 1000 mg/m ³ (Solvent naphtha) |
| | Toluene | 108-88-3 | 8-hour TWA: 200 mg/m ³ |
| | Toluene | 108-88-3 | Ceiling limit (NPK-P): 500 mg/m ³ |
| | Carbon Black | 1333-86-4 | Government Decree 361/2007 Sb.: TWA 2.0 mg/m ³ (8 hr) |
| | Mineral Oil | 8042-47-5 | 8-hour TWA: 5 mg/m ³ (aerosol) |
| | Mineral Oil | 8042-47-5 | Ceiling limit (NPK-P): 10 mg/m ³ (aerosol) |
| | Distillates, Petroleum, Solvent-Dewaxed Heavy Paraffinic | 64742-65-0 | 8-hour TWA: 5 mg/m ³ (Mineral oils, aerosol) |
| | Distillates, Petroleum, Solvent-Dewaxed Heavy Paraffinic | 64742-65-0 | Ceiling limit (NPK-P): 10 mg/m ³ (Mineral oils, aerosol) |
| | Distillates, Petroleum, Solvent-Dewaxed Heavy Paraffinic | 64742-65-0 | 8-hour TWA: 200 mg/m ³ (Solvent naphtha) |
| | Distillates, Petroleum, Solvent-Dewaxed Heavy Paraffinic | 64742-65-0 | The ceiling limit (NPK-P): 1000 mg/m ³ (Solvent naphtha) |
| | Distillates (petroleum), hydrotreated heavy naphthenic | 64742-52-5 | 8-hour TWA: 5 mg/m ³ (Mineral oils, aerosol) |
| | Distillates (petroleum), hydrotreated heavy naphthenic | 64742-52-5 | 8-hour TWA: 200 mg/m ³ (Solvent naphtha) |
| | Distillates (petroleum), hydrotreated heavy naphthenic | 64742-52-5 | Ceiling limit (NPK-P): 10 mg/m ³ (Mineral oils, aerosol) |
| | Distillates (petroleum), hydrotreated heavy naphthenic | 64742-52-5 | Ceiling limit (NPK-P): 1000 mg/m ³ (Solvent naphtha) |
| | Hydrotreated Heavy Paraffinic Distillates | 64742-54-7 | The ceiling limit (NPK-P): 10 mg/m ³ (Mineral oils, aerosol) |
| | Hydrotreated Heavy Paraffinic Distillates | 64742-54-7 | 8-hour TWA: 5 mg/m ³ (Mineral oils, aerosol) |
| | Mineral Oil | 8042-47-5 | 8-hour TWA: 5 mg/m ³ (aerosol) |
| | Mineral Oil | 8042-47-5 | Ceiling limit (NPK-P): 10 mg/m ³ (aerosol) |
| Hungary | Hydrotreated Heavy Naphthenic Distillates | 64742-52-5 | Ceiling Limit (MK Value): 5 mg/m ³ [Oil smog (mineral oil)] |
| | Zinc oxide | 1314-13-2 | 8-hour TWA (ÁK Value): 5 mg/m ³ (Respirable) |
| | Zinc oxide | 1314-13-2 | 60-minute STEL (CK Value): 20 mg/m ³ (Respirable) |
| | Hydrotreated Light Naphthenic Distillates | 64742-53-6 | Ceiling Limit (MK Value): 5 mg/m ³ [Oil smog (mineral oil)] |
| | Toluene | 108-88-3 | 8-hour TWA (ÁK Value): 190 mg/m ³ |
| | Toluene | 108-88-3 | 60-minute STEL (CK Value): 380 mg/m ³ |
| | Mineral Oil | 8042-47-5 | Ceiling Limit (MK Value): 5 mg/m ³ [Oil smog (mineral oil)] |
| | Distillates, Petroleum, Solvent-Dewaxed Heavy Paraffinic | 64742-65-0 | The Ceiling Limit (MK Value): 5 mg/m ³ (Oil smog, mineral oil) |

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| Country (Legal Basis) | Substance | Identifier | Permissible concentration |
|--|--|---|--|
| | Distillates (petroleum), hydrotreated heavy naphthenic | 64742-52-5 | Ceiling Limit (MK Value): 5 mg/m ³ [Oil smog (mineral oil)] |
| | Hydrotreated Heavy Paraffinic Distillates | 64742-54-7 | Ceiling Limit (MK Value): 5 mg/m ³ (Oil smog, mineral oil) |
| Lithuania | Hydrotreated Heavy Naphthenic Distillates | 64742-52-5 | 8-hour TWA: 1 mg/m ³ (Oil mist, including smoke) |
| | Hydrotreated Heavy Naphthenic Distillates | 64742-52-5 | 15-minute STEL: 3 mg/m ³ (Oil mist, including smoke) |
| | Zinc oxide | 1314-13-2 | 8-hour TWA: 5 mg/m ³ |
| | Hydrotreated Light Naphthenic Distillates | 64742-53-6 | 8-hour TWA: 1 mg/m ³ (Oil mist, including smoke) |
| | Hydrotreated Light Naphthenic Distillates | 64742-53-6 | 15-minute STEL: 3 mg/m ³ (Oil mist, including smoke) |
| | Toluene | 108-88-3 | 8-hour TWA: 192 mg/m ³ (50 ppm) |
| | Toluene | 108-88-3 | 15-minute STEL: 384 mg/m ³ (100 ppm) |
| | Sulfur | 7704-34-9 | 8-hour TWA: 6 mg/m ³ |
| | Mineral Oil | 8042-47-5 | 8-hour TWA: 1 mg/m ³ (Oil mist, including smoke) |
| | Mineral Oil | 8042-47-5 | 15-minute STEL: 3 mg/m ³ (Oil mist, including smoke) |
| | Distillates, Petroleum, Solvent-Dewaxed Heavy Paraffinic | 64742-65-0 | 15-minute STEL: 3 mg/m ³ (Oil mist, including smoke) |
| | Distillates (petroleum), hydrotreated heavy naphthenic | 64742-52-5 | 8-hour TWA: 1 mg/m ³ (Oil mist, including smoke) |
| | Distillates (petroleum), hydrotreated heavy naphthenic | 64742-52-5 | 15-minute STEL: 3 mg/m ³ (Oil mist, including smoke) |
| | Stearic acid | 57-11-4 | 8-hour TWA: 5 mg/m ³ |
| | Hydrotreated Heavy Paraffinic Distillates | 64742-54-7 | 8-hour TWA: 1 mg/m ³ (Oil mist, including smoke) |
| | Hydrotreated Heavy Paraffinic Distillates | 64742-54-7 | 15-minute STEL: 3 mg/m ³ (Oil mist, including smoke) |
| Distillates, Petroleum, Solvent-Dewaxed Heavy Paraffinic | 64742-65-0 | 8-hour TWA: 1 mg/m ³ (Oil mist, including smoke) | |
| Poland | Hydrotreated Heavy Naphthenic Distillates | 64742-52-5 | 8-hour TWA (NDS): 5 mg/m ³ (Highly refined mineral oils with the exception of cutting fluids, Inhalable fraction) |
| | Zinc oxide | 1314-13-2 | 8-hour TWA (NDS): 5 mg/m ³ (Inhalable fraction, as Zn) |
| | Zinc oxide | 1314-13-2 | 15-minute STEL (NDSCh): 10 mg/m ³ (Inhalable fraction, as Zn) |
| | Hydrotreated Light Naphthenic Distillates | 64742-53-6 | 8-hour TWA (NDS): 5 mg/m ³ (Highly refined mineral oils with the exception of cutting fluids, Inhalable fraction) |
| | Toluene | 108-88-3 | 8-hour TWA (NDS): 100 mg/m ³ |
| | Toluene | 108-88-3 | 15-minute STEL (NDSCh): 200 mg/m ³ |

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|-----------------------|--|------------|--|
| | Carbon Black | 1333-86-4 | Dz.U.Poz. 817/2014, Annex 1: TWA (NDS) 4.0 mg/m ³ (8 hr) |
| | Mineral Oil | 8042-47-5 | 8-hour TWA (NDS): 5 mg/m ³ (Highly refined mineral oils with the exception of cutting fluids, Inhalable fraction) |
| | Distillates, Petroleum, Solvent-Dewaxed Heavy Paraffinic | 64742-65-0 | 8-hour TWA (NDS): 5 mg/m ³ (Highly refined mineral oils with the exception of cutting fluids, inhalable fraction) |
| | Distillates (petroleum), hydrotreated heavy naphthenic | 64742-52-5 | 8-hour TWA (NDS): 5 mg/m ³ (Highly refined mineral oils with the exception of cutting fluids, Inhalable fraction) |
| | Hydrotreated Heavy Paraffinic Distillates | 64742-54-7 | 8-hour TWA (NDS): 5 mg/m ³ (Highly refined mineral oils with the exception of cutting fluids, inhalable fraction) |
| Romania | Hydrotreated Heavy Naphthenic Distillates | 64742-52-5 | 8-hour TWA: 5 mg/m ³ (Mineral oils) |
| | Hydrotreated Heavy Naphthenic Distillates | 64742-52-5 | 15-minute STEL: 10 mg/m ³ (Mineral oils) |
| | Zinc oxide | 1314-13-2 | 8-hour TWA: 5 mg/m ³ (Fumes) |
| | Zinc oxide | 1314-13-2 | 15-minute STEL: 10 mg/m ³ (Fumes) |
| | Hydrotreated Light Naphthenic Distillates | 64742-53-6 | 8-hour TWA: 5 mg/m ³ (Mineral oils) |
| | Hydrotreated Light Naphthenic Distillates | 64742-53-6 | 15-minute STEL: 10 mg/m ³ (Mineral oils) |
| | Toluene | 108-88-3 | 8-hour TWA: 192 mg/m ³ (50 ppm) |
| | Toluene | 108-88-3 | 15-minute STEL: 384 mg/m ³ (100 ppm) |
| | Sulfur | 7704-34-9 | 15-min STEL: 6 mg/m ³ |
| | Mineral Oil | 8042-47-5 | 8-hour TWA: 5 mg/m ³ (Mineral oils) |
| | Mineral Oil | 8042-47-5 | 15-minute STEL: 10 mg/m ³ (Mineral oils) |
| | Distillates, Petroleum, Solvent-Dewaxed Heavy Paraffinic | 64742-65-0 | 8-Hour TWA: 5 mg/m ³ (Mineral oils) |
| | Distillates, Petroleum, Solvent-Dewaxed Heavy Paraffinic | 64742-65-0 | 15-minute STEL: 10 mg/m ³ (Mineral oils) |
| | Distillates (petroleum), hydrotreated heavy naphthenic | 64742-52-5 | 8-hour TWA: 5 mg/m ³ (Mineral oils) |
| | Distillates (petroleum), hydrotreated heavy naphthenic | 64742-52-5 | 15-minute STEL: 10 mg/m ³ (Mineral oils) |
| | Hydrotreated Heavy Paraffinic Distillates | 64742-54-7 | 8-Hour TWA: 5 mg/m ³ (Mineral oils) |
| | Hydrotreated Heavy Paraffinic Distillates | 64742-54-7 | 15-minute STEL: 10 mg/m ³ (Mineral oils) |
| | Mineral Oil | 8042-47-5 | 15-minute STEL: 10 mg/m ³ (Mineral oils) |

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| Slovakia | Hydrotreated Heavy Naphthenic Distillates | 64742-52-5 | 8-hour TWA (NPEL): 5 ppm (1 mg/m ³) [Liquid mineral oil mist, fumes] |
| | Hydrotreated Heavy Naphthenic Distillates | 64742-52-5 | 15-minute STEL (NPEL): 15 ppm (3 mg/m ³) [Liquid mineral oil mist, fumes] |
| | Zinc oxide | 1314-13-2 | 8-hour TWA (NPEL): 1 mg/m ³ [Fumes (Respirable fraction)] |
| | Zinc oxide | 1314-13-2 | 15-minute STEL (NPEL): 1 mg/m ³ [Fumes (Respirable fraction)] |
| | Zinc oxide | 1314-13-2 | 8-hour TWA (NPEL): 0.1 mg/m ³ [Zinc and its inorganic compounds (Respirable fraction)] |
| | Zinc oxide | 1314-13-2 | 8-hour TWA (NPEL): 2 mg/m ³ [Zinc and its inorganic compounds (Inhalable fraction)] |
| | Hydrotreated Light Naphthenic Distillates | 64742-53-6 | 8-hour TWA (NPEL): 5 ppm (1 mg/m ³) [Liquid mineral oil mist, fumes] |
| | Hydrotreated Light Naphthenic Distillates | 64742-53-6 | 15-minute STEL (NPEL): 15 ppm (3 mg/m ³) [Liquid mineral oil mist, fumes] |
| | Toluene | 108-88-3 | 8-hour TWA (NPEL): 50 ppm (192 mg/m ³) |
| | Toluene | 108-88-3 | 15-minute STEL (NPEL): 100 ppm (384 mg/m ³) |
| | Carbon Black | 1333-86-4 | Regulation No. 355.2006 concerning protection of workers exposed to chemical agents, Annex 1: TWA (NPEL) 2.0 mg/m ³ |
| | Mineral Oil | 8042-47-5 | 8-hour TWA (NPEL): 5 ppm (1 mg/m ³) [Liquid mineral oil mist, fumes] |
| | Mineral Oil | 8042-47-5 | 15-minute STEL (NPEL): 15 ppm (3 mg/m ³) [Liquid mineral oil mist, fumes] |
| | Distillates, Petroleum, Solvent-Dewaxed Heavy Paraffinic | 64742-65-0 | 8-hour TWA (NPEL): 5 ppm (Liquid mineral oil mist, fumes) |
| | Distillates, Petroleum, Solvent-Dewaxed Heavy Paraffinic | 64742-65-0 | 8-hour TWA (NPEL): 1 mg/m ³ (Liquid mineral oil mist, fumes) |
| | Distillates, Petroleum, Solvent-Dewaxed Heavy Paraffinic | 64742-65-0 | 15-minute STEL (NPEL): 3 mg/m ³ (Liquid mineral oil mist, fumes) |
| | Distillates, Petroleum, Solvent-Dewaxed Heavy Paraffinic | 64742-65-0 | 15-minute STEL (NPEL): 15 ppm (Liquid mineral oil mist, fumes) |
| | Distillates (petroleum), hydrotreated heavy naphthenic | 64742-52-5 | 8-hour TWA (NPEL): 5 ppm (1 mg/m ³) [Liquid mineral oil mist, fumes] |
| | Distillates (petroleum), hydrotreated heavy naphthenic | 64742-52-5 | 15-minute STEL (NPEL): 15 ppm (3 mg/m ³) [Liquid mineral oil mist, fumes] |
| | Hydrotreated Heavy Paraffinic Distillates | 64742-54-7 | 8-hour TWA (NPEL): 5 ppm (Liquid mineral oil mist, fumes) |
| | Hydrotreated Heavy Paraffinic Distillates | 64742-54-7 | 8-hour TWA (NPEL): 1 mg/m ³ (Liquid mineral oil mist, fumes) |

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| | Hydrotreated Heavy Paraffinic Distillates | 64742-54-7 | 15-minute STEL (NPEL): 15 ppm (Liquid mineral oil mist, fumes) |
| | Hydrotreated Heavy Paraffinic Distillates | 64742-54-7 | 15-minute STEL (NPEL): 3 mg/m ³ (Liquid mineral oil mist, fumes) |
| | Mineral Oil | 8042-47-5 | 8-hour TWA (NPEL): 5 ppm (1 mg/m ³) [Liquid mineral oil mist, fumes] |
| | Mineral Oil | 8042-47-5 | 15-minute STEL (NPEL): 15 ppm (3 mg/m ³) [Liquid mineral oil mist, fumes] |
| European Union | Hydrotreated Heavy Naphthenic Distillates | 64742-52-5 | 8-Hour TWA: 5 mg/m ³ |
| | Hydrotreated Light Naphthenic Distillates | 64742-53-6 | 8-hour TWA: 5 mg/m ³ (Severely Refined Oils, inhalable) |
| | Toluene | 108-88-3 | Threshold limit: 192 mg/m ³ (50 ppm) |
| | Toluene | 108-88-3 | STEL: 384 mg/m ³ (100 ppm) |
| | Mineral Oil | 8042-47-5 | SCOEL 8-hour TWA: 5 mg/m ³ (severely refined mineral oils, inhalable) |
| | Distillates, Petroleum, Solvent-Dewaxed Heavy Paraffinic | 64742-65-0 | 8-Hour TWA: 5 mg/m ³ (Severely Refined Mineral Oils, inhalable) |
| | Distillates (petroleum), hydrotreated heavy naphthenic | 64742-52-5 | 8-Hour TWA: 5 mg/m ³ |
| | Hydrotreated Heavy Paraffinic Distillates | 64742-54-7 | 8-Hour TWA: 5 mg/m ³ (Severely Refined Mineral Oils, inhalable) |
| | Mineral Oil | 8042-47-5 | SCOEL 8-hour TWA: 5 mg/m ³ (severely refined mineral oils, inhalable) |
| Belgium | Hydrotreated Heavy Naphthenic Distillates | 64742-52-5 | 8-hour TWA: 5 mg/m ³ |
| | Hydrotreated Heavy Naphthenic Distillates | 64742-52-5 | 15-minute STEL: 10 mg/m ³ |
| | Zinc oxide | 1314-13-2 | 8-hour TWA: 5 mg/m ³ (Fumes) |
| | Zinc oxide | 1314-13-2 | 15-minute STEL: 10 mg/m ³ (Fumes) |
| | Zinc oxide | 1314-13-2 | 8-hour TWA: 10 mg/m ³ (Dusts) |
| | Hydrotreated Light Naphthenic Distillates | 64742-53-6 | 8-hour TWA: 5 mg/m ³ [Mineral oils (mist)] |
| | Hydrotreated Light Naphthenic Distillates | 64742-53-6 | 15-minute STEL: 10 mg/m ³ [Mineral oils (mist)] |
| | Toluene | 108-88-3 | 8-hour TWA: 20 ppm (77 mg/m ³) |
| | Toluene | 108-88-3 | 15-minute STEL: 100 ppm (384 mg/m ³) |
| | Carbon Black | 1333-86-4 | Exposure Limit Value: TWA 3.5 mg/m ³ (8 hr) |
| | Mineral Oil | 8042-47-5 | 8-hour TWA: 5 mg/m ³ [Mineral oils (mist)] |
| | Mineral Oil | 8042-47-5 | 15-minute STEL: 10 mg/m ³ [Mineral oils (mist)] |
| | Distillates, Petroleum, Solvent-Dewaxed Heavy Paraffinic | 64742-65-0 | 8-Hour TWA: 5 mg/m ³ (Mineral oils, mist) |

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| | Distillates, Petroleum, Solvent-Dewaxed Heavy Paraffinic | 64742-65-0 | 15-minute STEL: 10 mg/m ³ (Mineral oils, mist) |
| | Distillates (petroleum), hydrotreated heavy naphthenic | 64742-52-5 | 8-hour TWA: 5 mg/m ³ |
| | Distillates (petroleum), hydrotreated heavy naphthenic | 64742-52-5 | 15-minute STEL: 10 mg/m ³ |
| | Stearic acid | 57-11-4 | 8-hour TWA: 10 mg/m ³ (as stearates) |
| | Hydrotreated Heavy Paraffinic Distillates | 64742-54-7 | 8-Hour TWA: 5 mg/m ³ (Mineral oils, mist) |
| | Hydrotreated Heavy Paraffinic Distillates | 64742-54-7 | 15-minute STEL: 10 mg/m ³ (Mineral oils, mist) |
| | Mineral Oil | 8042-47-5 | 8-hour TWA: 5 mg/m ³ [Mineral oils (mist)] |
| | Mineral Oil | 8042-47-5 | 15-minute STEL: 10 mg/m ³ [Mineral oils (mist)] |
| Denmark | Hydrotreated Heavy Naphthenic Distillates | 64742-52-5 | TWA: 1 mg/m ³ |
| | Zinc oxide | 1314-13-2 | TWA: 4 mg/m ³ |
| | Hydrotreated Light Naphthenic Distillates | 64742-53-6 | TWA: 1 mg/m ³ |
| | Toluene | 108-88-3 | TWA: 25 ppm (94 mg/m ³) |
| | Carbon Black | 1333-86-4 | Exposure Limits for Substances & Materials: TWA 3.5 mg/m ³ |
| | Mineral Oil | 8042-47-5 | TWA: 1 mg/m ³ |
| | Distillates, Petroleum, Solvent-Dewaxed Heavy Paraffinic | 64742-65-0 | TWA: 1 mg/m ³ |
| | Distillates (petroleum), hydrotreated heavy naphthenic | 64742-52-5 | TWA: 1 mg/m ³ |
| | Hydrotreated Heavy Paraffinic Distillates | 64742-54-7 | TWA: 1 mg/m ³ |
| | Mineral Oil | 8042-47-5 | TWA: 1 mg/m ³ |
| Finland | Hydrotreated Heavy Naphthenic Distillates | 64742-52-5 | 8-hour limit: 5 mg/m ³ |
| | Zinc oxide | 1314-13-2 | 8-hour limit: 2 mg/m ³ |
| | Zinc oxide | 1314-13-2 | 15-minute limit: 10 mg/m ³ |
| | Hydrotreated Light Naphthenic Distillates | 64742-53-6 | 8-hour limit: 5 mg/m ³ |
| | Toluene | 108-88-3 | 8-hour limit: 25 ppm (81 mg/m ³) |
| | Toluene | 108-88-3 | 15-minute limit: 100 ppm (380 mg/m ³) |
| | Carbon Black | 1333-86-4 | Workplace Exposure Limits: 3.5 mg/m ³ (8 hr); 7.0 mg/m ³ (15 min) |
| | Mineral Oil | 8042-47-5 | 8-hour limit: 5 mg/m ³ |
| | Distillates, Petroleum, Solvent-Dewaxed Heavy Paraffinic | 64742-65-0 | 8-hour limit: 5 mg/m ³ |
| | Distillates (petroleum), hydrotreated heavy naphthenic | 64742-52-5 | 8-hour limit: 5 mg/m ³ |
| | Hydrotreated Heavy Paraffinic Distillates | 64742-54-7 | 8-hour limit: 5 mg/m ³ |
| | Mineral Oil | 8042-47-5 | 8-hour limit: 5 mg/m ³ |
| Greece | Hydrotreated Heavy Naphthenic Distillates | 64742-52-5 | 8-hour TWA: 5 mg/m ³ [Paraffin oil (Mist)] |
| | Zinc oxide | 1314-13-2 | 8-hour TWA: 5 mg/m ³ (Fumes) |

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|-----------------------|--|------------|--|
| | Zinc oxide | 1314-13-2 | 15-minute STEL: 10 mg/m ³ (Fumes) |
| | Hydrotreated Light Naphthenic Distillates | 64742-53-6 | 8-hour TWA: 5 mg/m ³ [Paraffin oil (Mist)] |
| | Toluene | 108-88-3 | 8-hour TWA: 50 ppm (192 mg/m ³) |
| | Toluene | 108-88-3 | 15-minute limit: 100 ppm (384 mg/m ³) |
| | Carbon Black | 1333-86-4 | Decree 307/1986: TWA 3.5mg/m ³ (8 hr); STEL 7.0 mg/m ³ (15 min) |
| | Mineral Oil | 8042-47-5 | 8-hour TWA: 5 mg/m ³ [Paraffin oil (Mist)] |
| | Distillates, Petroleum, Solvent-Dewaxed Heavy Paraffinic | 64742-65-0 | 8-hour TWA: 5 mg/m ³ (Paraffin oil, mist) |
| | Distillates (petroleum), hydrotreated heavy naphthenic | 64742-52-5 | 8-hour TWA: 5 mg/m ³ [Paraffin oil (Mist)] |
| | Hydrotreated Heavy Paraffinic Distillates | 64742-54-7 | 8-hour TWA: 5 mg/m ³ (Paraffin oil, mist) |
| | Mineral Oil | 8042-47-5 | 8-hour TWA: 5 mg/m ³ [Paraffin oil (Mist)] |
| Ireland | Hydrotreated Heavy Naphthenic Distillates | 64742-52-5 | 8-hour OEL (TWA): 5 mg/m ³ (Mineral oil, pure, highly and severely refined; Inhalable fraction) |
| | Hydrotreated Light Naphthenic Distillates | 64742-53-6 | 8-hour OEL (TWA): 5 mg/m ³ (Mineral oil, pure, highly and severely refined; Inhalable fraction) |
| | Toluene | 108-88-3 | 8-hour OEL (TWA): 50 ppm (192 mg/m ³) |
| | Toluene | 108-88-3 | 15-minute OEL (STEL): 100 ppm (384 mg/m ³) |
| | Carbon Black | 1333-86-4 | 2016 Code of Practice for Chemical Agents Regulations 2001: TWA 3.0 mg/m ³ (8 hr) OEL |
| | Mineral Oil | 8042-47-5 | 8-hour OEL (TWA): 5 mg/m ³ (Mineral oil, pure, highly and severely refined; Inhalable fraction) |
| | Mineral Oil | 8042-47-5 | 8-hour OEL (TWA): 5 mg/m ³ (Mineral oil, pure, highly and severely refined; Inhalable fraction) |
| | Distillates, Petroleum, Solvent-Dewaxed Heavy Paraffinic | 64742-65-0 | Irish 8-hour OEL (TWA): 5 mg/m ³ (Mineral oil, pure, highly & severely refined, Inhalable fraction) |
| | Distillates (petroleum), hydrotreated heavy naphthenic | 64742-52-5 | 8-hour OEL (TWA): 5 mg/m ³ (Mineral oil, pure, highly and severely refined; Inhalable fraction) |
| | Stearic acid | 57-11-4 | 8-hour TWA: 10 mg/m ³ (as stearates, except lead stearate) |

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|-----------------------|--|------------|---|
| | Hydrotreated Heavy Paraffinic Distillates | 64742-54-7 | 8-hour OEL (TWA) is: 5 mg/m ³ (Mineral oil, pure, highly and severely refined; Inhalable fraction) |
| | Mineral Oil | 8042-47-5 | 8-hour OEL (TWA): 5 mg/m ³ (Mineral oil, pure, highly and severely refined; Inhalable fraction) |
| Italy | Hydrotreated Heavy Naphthenic Distillates | 64742-52-5 | 8-hour TWA: 5 mg/m ³ (Mineral oil, excluding metal working fluids, pure, highly and severely refined; Inhalable fraction) |
| | Zinc oxide | 1314-13-2 | 8-hour TWA: 2 mg/m ³ (Respirable fraction) |
| | Zinc oxide | 1314-13-2 | 15-minute STEL: 10 mg/m ³ (Respirable fraction) |
| | Hydrotreated Light Naphthenic Distillates | 64742-53-6 | 8-hour TWA: 5 mg/m ³ (Mineral oil, excluding metal working fluids, pure, highly and severely refined; Inhalable fraction) |
| | Toluene | 108-88-3 | 8-hour TWA: 50 ppm (192 mg/m ³) |
| | Carbon Black | 1333-86-4 | Legislative Decree n.81: TWA 3.0 mg/m ³ (8 hr) |
| | Mineral Oil | 8042-47-5 | 8-hour TWA: 5 mg/m ³ (Mineral oil, excluding metal working fluids, pure, highly and severely refined; Inhalable fraction) |
| | Distillates, Petroleum, Solvent-Dewaxed Heavy Paraffinic | 64742-65-0 | 8-hour TWA: 5 mg/m ³ (Mineral oil, excluding heavy metal, working fluids, pure, highly & severely refined, Inhalable fraction) |
| | Distillates (petroleum), hydrotreated heavy naphthenic | 64742-52-5 | 8-hour TWA: 5 mg/m ³ (Mineral oil, excluding metal working fluids, pure, highly and severely refined; Inhalable fraction) |
| | Stearic acid | 57-11-4 | 8-hour TWA: 3 mg/m ³ [Stearates (except stearates of toxic metals), Respirable fraction] |
| | Stearic acid | 57-11-4 | 8-hour TWA: 10 mg/m ³ [Stearates (except stearates of toxic metals), Inhalable fraction] |
| | Hydrotreated Heavy Paraffinic Distillates | 64742-54-7 | 8-hour TWA: 5 mg/m ³ (Mineral oil, excluding metal working fluids, pure, highly and severely refined; Inhalable fraction) |
| | Mineral Oil | 8042-47-5 | 8-hour TWA: 5 mg/m ³ (Mineral oil, excluding metal working fluids, pure, highly and severely refined; Inhalable fraction) |
| Netherlands | Hydrotreated Heavy Naphthenic Distillates | 64742-52-5 | Binding 8-hour TWA: 5 mg/m ³ [Oil mist (Mineral oil)] |
| | Hydrotreated Light Naphthenic Distillates | 64742-53-6 | Binding 8-hour TWA: 5 mg/m ³ [Oil mist (Mineral oil)] |

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| | Toluene | 108-88-3 | Binding 8-hour TWA: 150 mg/m ³ |
| | Toluene | 108-88-3 | Binding STEL: 384 mg/m ³ (STEL time period is 15 minutes) |
| | Mineral Oil | 8042-47-5 | Binding 8-hour TWA: 5 mg/m ³ [Oil mist (Mineral oil)] |
| | Distillates, Petroleum, Solvent-Dewaxed Heavy Paraffinic | 64742-65-0 | 8-Hour TWA: 5 mg/m ³ (Mineral oils, mist) |
| | Distillates (petroleum), hydrotreated heavy naphthenic | 64742-52-5 | Binding 8-hour TWA: 5 mg/m ³ [Oil mist (Mineral oil)] |
| | Hydrotreated Heavy Paraffinic Distillates | 64742-54-7 | 8-Hour TWA: 5 mg/m ³ (Mineral oils, mist) |
| | Mineral Oil | 8042-47-5 | Binding 8-hour TWA: 5 mg/m ³ [Oil mist (Mineral oil)] |
| Portugal | Hydrotreated Heavy Naphthenic Distillates | 64742-52-5 | 8-hour exposure limit: 5 mg/m ³ |
| | Hydrotreated Heavy Naphthenic Distillates | 64742-52-5 | Short-term exposure limit: 10 mg/m ³ |
| | Zinc oxide | 1314-13-2 | 8-hour exposure limit: 2 mg/m ³ |
| | Zinc oxide | 1314-13-2 | Short-term exposure limit: 10 mg/m ³ |
| | Hydrotreated Light Naphthenic Distillates | 64742-53-6 | 8-hour exposure limit: 5 mg/m ³ |
| | Hydrotreated Light Naphthenic Distillates | 64742-53-6 | Short-term exposure limit: 10 mg/m ³ |
| | Toluene | 108-88-3 | 8-hour TWA: 50 ppm (192 mg/m ³) |
| | Toluene | 108-88-3 | 15-minute STEL: 100 ppm (384 mg/m ³) |
| | Carbon Black | 1333-86-4 | VLE: 3.5 mg/m ³ (8 hr) |
| | Mineral Oil | 8042-47-5 | NP 1796-2007 8-hour exposure limit: 5 mg/m ³ |
| | Mineral Oil | 8042-47-5 | NP 1796-2007 Short-term exposure limit: 10 mg/m ³ |
| | Distillates, Petroleum, Solvent-Dewaxed Heavy Paraffinic | 64742-65-0 | 8-hour exposure limit: 5 mg/m ³ |
| | Distillates, Petroleum, Solvent-Dewaxed Heavy Paraffinic | 64742-65-0 | Short-term exposure limit: 10 mg/m ³ |
| | Distillates (petroleum), hydrotreated heavy naphthenic | 64742-52-5 | 8-hour exposure limit: 5 mg/m ³ |
| | Distillates (petroleum), hydrotreated heavy naphthenic | 64742-52-5 | Short-term exposure limit: 10 mg/m ³ |
| | Stearic acid | 57-11-4 | 8-hour Exposure Limit: 10 mg/m ³ (as stearates) |
| | Hydrotreated Heavy Paraffinic Distillates | 64742-54-7 | 8-hour exposure limit: 5 mg/m ³ |
| | Hydrotreated Heavy Paraffinic Distillates | 64742-54-7 | Short-term exposure limit: 10 mg/m ³ |
| | Mineral Oil | 8042-47-5 | NP 1796-2007 8-hour exposure limit: 5 mg/m ³ |
| | Mineral Oil | 8042-47-5 | NP 1796-2007 Short-term exposure limit: 10 mg/m ³ |
| Spain | Hydrotreated Heavy Naphthenic Distillates | 64742-52-5 | 8-hour daily exposure limit (VLA_ED): 5 mg/m ³ |

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| | Hydrotreated Heavy Naphthenic Distillates | 64742-52-5 | 15-minute STEL (VLA-EC): 10 mg/m ³ |
| | Zinc oxide | 1314-13-2 | 8-hour daily exposure limit (VLA_ED): 2 mg/m ³ |
| | Zinc oxide | 1314-13-2 | 15-minute STEL (VLA-EC): 10 mg/m ³ |
| | Hydrotreated Light Naphthenic Distillates | 64742-53-6 | 8-hour daily exposure limit (VLA_ED): 5 mg/m ³ |
| | Hydrotreated Light Naphthenic Distillates | 64742-53-6 | 15-minute STEL (VLA-EC): 10 mg/m ³ |
| | Toluene | 108-88-3 | 8-hour daily exposure limit (VLA-ED): 50 ppm (192 mg/m ³) |
| | Toluene | 108-88-3 | 15-minute STEL (VLA-EC): 100 ppm (384 mg/m ³) |
| | Carbon Black | 1333-86-4 | VLA: VLA_ED 3.5 mg/m ³ (8 hr) |
| | Mineral Oil | 8042-47-5 | 8-hour daily exposure limit (VLA_ED): 5 mg/m ³ |
| | Mineral Oil | 8042-47-5 | 15-minute STEL (VLA-EC): 10 mg/m ³ |
| | Distillates, Petroleum, Solvent-Dewaxed Heavy Paraffinic | 64742-65-0 | The 8-hour daily exposure limit (VLA_ED): 5 mg/m ³ (This value is applied to refined mineral oil and not to potential additives in its formulation) |
| | Distillates, Petroleum, Solvent-Dewaxed Heavy Paraffinic | 64742-65-0 | The 15-minute STEL (VLA-EC): 10 mg/m ³ (This value is applied to refined mineral oil and not to potential additives in its formulation) |
| | Distillates (petroleum), hydrotreated heavy naphthenic | 64742-52-5 | 8-hour daily exposure limit (VLA_ED): 5 mg/m ³ |
| | Distillates (petroleum), hydrotreated heavy naphthenic | 64742-52-5 | 15-minute STEL (VLA-EC): 10 mg/m ³ |
| | Stearic acid | 57-11-4 | 8-hour daily exposure limit (VLA_ED): 10 mg/m ³ [Stearates (except stearates of toxic metals)] |
| | Hydrotreated Heavy Paraffinic Distillates | 64742-54-7 | 8-hour daily exposure limit (VLA_ED): 5 mg/m ³ |
| | Hydrotreated Heavy Paraffinic Distillates | 64742-54-7 | 15-minute STEL (VLA-EC): 10 mg/m ³ |
| | Mineral Oil | 8042-47-5 | 8-hour daily exposure limit (VLA_ED): 5 mg/m ³ |
| | Mineral Oil | 8042-47-5 | 15-minute STEL (VLA-EC): 10 mg/m ³ |
| Sweden | Hydrotreated Heavy Naphthenic Distillates | 64742-52-5 | Level Limit Value (NGV): 1 mg/m ³ (Oil mist including oil fume) |
| | Hydrotreated Heavy Naphthenic Distillates | 64742-52-5 | Short Term Limit (KTV): 3 mg/m ³ (Oil mist including oil fume) |
| | Zinc oxide | 1314-13-2 | Level Limit Value (NGV): 5 mg/m ³ (Total dust) |
| | Hydrotreated Light Naphthenic Distillates | 64742-53-6 | Level Limit Value (NGV): 1 mg/m ³ (Oil mist including oil fume) |

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| | Hydrotreated Light Naphthenic Distillates | 64742-53-6 | Short Term Limit (KTV): 3 mg/m ³ (Oil mist including oil fume) |
| | Toluene | 108-88-3 | Level Limit Value (NGV): 50 ppm (192 mg/m ³) |
| | Toluene | 108-88-3 | Ceiling Limit Value (TGV): 100 ppm (384 mg/m ³) |
| | Mineral Oil | 8042-47-5 | Level Limit Value (NGV): 1 mg/m ³ (Oil mist including oil fume) |
| | Mineral Oil | 8042-47-5 | Short Term Limit (KTV): 3 mg/m ³ (Oil mist including oil fume) |
| | Distillates, Petroleum, Solvent-Dewaxed Heavy Paraffinic | 64742-65-0 | Level Limit Value (NGV): 1 mg/m ³ (Oil mist including oil fume) |
| | Distillates, Petroleum, Solvent-Dewaxed Heavy Paraffinic | 64742-65-0 | Short Term Limit (KTV): 3 mg/m ³ (Oil mist including oil fume) |
| | Distillates (petroleum), hydrotreated heavy naphthenic | 64742-52-5 | Level Limit Value (NGV): 1 mg/m ³ (Oil mist including oil fume) |
| | Distillates (petroleum), hydrotreated heavy naphthenic | 64742-52-5 | Short Term Limit (KTV): 3 mg/m ³ (Oil mist including oil fume) |
| | Stearic acid | 57-11-4 | Level Limit Value (NGV): 5 mg/m ³ (as stearates, total dust) |
| | Hydrotreated Heavy Paraffinic Distillates | 64742-54-7 | Level Limit Value (NGV): 1 mg/m ³ (Oil mist including oil fume) |
| | Hydrotreated Heavy Paraffinic Distillates | 64742-54-7 | Short Term Limit (KTV): 3 mg/m ³ (Oil mist including oil fume) |
| | Mineral Oil | 8042-47-5 | Level Limit Value (NGV): 1 mg/m ³ (Oil mist including oil fume) |
| | Mineral Oil | 8042-47-5 | Short Term Limit (KTV): 3 mg/m ³ (Oil mist including oil fume) |
| Croatia | Zinc oxide | 1314-13-2 | Maximum (8 hr) allowable concentration: 5 mg/m ³ |
| | Zinc oxide | 1314-13-2 | Short-term (15 min) allowable concentration: 10 mg/m ³ |
| | Toluene | 108-88-3 | Maximum (8 hr) allowable concentration: 50 ppm (192 mg/m ³) |
| | Toluene | 108-88-3 | Short-term (15 min) allowable concentration: 100 ppm (384 mg/m ³) |
| | Carbon Black | 1333-86-4 | Dangerous Substances Exposure Limit Values in the Workplace: 3.5 mg/m ³ (8hr); 7.0 mg/m ³ (15 min) |
| Cyprus | Zinc oxide | 1314-13-2 | 8-hour TWA: 5.0 mg/m ³ (Fumes) |
| | Carbon Black | 1333-86-4 | Control of factory atmosphere and dangerous substances in factories regulation: TWA 3.5 mg/m ³ (8 hr) |
| Estonia | Zinc oxide | 1314-13-2 | 8-hour TWA: 5 mg/m ³ |
| | Toluene | 108-88-3 | 8-hour TWA: 50 ppm (192 mg/m ³) |
| | Toluene | 108-88-3 | STEL: 100 ppm (384 mg/m ³) |
| Latvia | Zinc oxide | 1314-13-2 | 8-hour TWA: 0.5 mg/m ³ |

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| | Hydrotreated Light Naphthenic Distillates | 64742-53-6 | 8-hour TWA: 5 mg/m ³ (Mineral oi) |
| | Toluene | 108-88-3 | 8-hour TWA: 50 mg/m ³ (14 ppm) |
| | Toluene | 108-88-3 | 15-minute STEL: 150 mg/m ³ (40 ppm) |
| | Sulfur | 7704-34-9 | 8-hour TWA: 6 mg/m ³ |
| Slovenia | Zinc oxide | 1314-13-2 | 8-hour TWA: 5 mg/m ³ [Fumes (Respirable fraction)] |
| | Zinc oxide | 1314-13-2 | STEL: 20 mg/m ³ [Fumes (Respirable fraction)] |
| | Toluene | 108-88-3 | 8-hour TWA: 192 mg/m ³ (50 ppm) |
| | Toluene | 108-88-3 | STEL: 384 mg/m ³ (100 ppm) |
| France | Zinc oxide | 1314-13-2 | Time weighted average (VME): 5 mg/m ³ (Fumes) |
| | Zinc oxide | 1314-13-2 | Time weighted average (VME): 10 mg/m ³ (Dusts) |
| | Toluene | 108-88-3 | Time weighted average (VME): 20 ppm (76.8 mg/m ³) |
| | Toluene | 108-88-3 | Short term exposure limit: 100 ppm (384 mg/m ³) |
| | Carbon Black | 1333-86-4 | Threshold Limit Values (VLEP): Time weighted average (VME) 3.5 mg/m ³ |
| Malta | Toluene | 108-88-3 | TWA: 50 ppm (192 mg/m ³) |
| | Toluene | 108-88-3 | STEL: 100 ppm (384 mg/m ³) |
| Germany | Toluene | 108-88-3 | DFG Limit value: 50 mL/m ³ (190 mg/m ³) |
| | Toluene | 108-88-3 | DFG Short term (15 min) limit value: 200 mL/m ³ (760 mg/m ³) |
| | Toluene | 108-88-3 | AGS Limit value: 200 mg/m ³ |
| | Toluene | 108-88-3 | AGS Short term (15 min) limit value: 400 mg/m ³ |
| | Mineral Oil | 8042-47-5 | AGW limit value: 5 mg/m ³ |
| | Mineral Oil | 8042-47-5 | AGW Short term (15 min) exposure limit: 20 mg/m ³ |
| | Mineral Oil | 8042-47-5 | AGW limit value: 5 mg/m ³ |
| | Mineral Oil | 8042-47-5 | AGW Short term (15 min) exposure limit: 20 mg/m ³ |
| Luxembourg | Toluene | 108-88-3 | TWA: 50 ppm (192 mg/m ³) |
| | Toluene | 108-88-3 | STEL: 100 ppm (384 mg/m ³) |
| United Kingdom | Toluene | 108-88-3 | TWA: 50 ppm (191 mg/m ³) |
| | Toluene | 108-88-3 | STEL: 100 ppm (384 mg/m ³) |
| | Carbon Black | 1333-86-4 | WEL: TWA 3.5 mg/m ³ ; STEL 7.0 mg/m ³ |
| Brazil | Mineral Oil | 8042-47-5 | 8-Hour Exposure Limit (TLV-TWA): 5 mg/m ³ (Mineral oil, excluding metal working fluids, pure, highly and severely refined; Inhalable fraction) |

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| Country (Legal Basis) | Substance | Identifier | Permissible concentration |
|-----------------------|---|------------|---|
| ACGIH | Mineral Oil | 8042-47-5 | 8-Hour Exposure Limit (TLV-TWA): 5 mg/m ³ (Mineral oil, excluding metal working fluids, pure, highly and severely refined; Inhalable fraction) |
| | Hydrotreated Heavy Paraffinic Distillates | 64742-54-7 | 8-Hour Exposure Limit (TLV-TWA): 5 mg/m ³ (Mineral oil, excluding metal working fluids, pure, highly and severely refined; Inhalable fraction) |
| NIOSH | Mineral Oil | 8042-47-5 | REL (for up to a 10-hour workday during a 40-hour workweek): 5 mg/m ³ [Oil mist (Mineral)] |
| | Mineral Oil | 8042-47-5 | STEL: 10 mg/m ³ [Oil mist (Mineral)] |
| | Mineral Oil | 8042-47-5 | IDLH: 2500 mg/m ³ [Oil mist (Mineral)] |
| | Carbon Black | 1333-86-4 | NIOSH REL TWA 0.1 mg PAHs/m ³ [Carbon black in presence of polycyclic aromatic hydrocarbons (PAHs)] |
| United States (OSHA) | Mineral Oil | 8042-47-5 | PEL: 5 mg/m ³ [Oil mist (Mineral)] |
| Canada | Mineral Oil | 8042-47-5 | Alberta OELs - 8-Hour TWA Exposure Limit: 5 mg/m ³ (Oil mist, mineral) |
| | Mineral Oil | 8042-47-5 | British Columbia OELs - 8-Hour TWA Exposure Value: 1 mg/m ³ (Oil mist - Mineral, severely refined) |
| | Mineral Oil | 8042-47-5 | Manitoba OELs - 8-Hour Exposure Limit (TLV-TWA): 5 mg/m ³ (Mineral oil, excluding metal working fluids, pure, highly and severely refined; Inhalable fraction) |
| | Mineral Oil | 8042-47-5 | Ontario OELs - 8-Hour TWA Exposure Value: 5 mg/m ³ (Mineral oil, excluding metal working fluids, pure, highly and severely refined; Inhalable fraction) |
| | Mineral Oil | 8042-47-5 | Quebec OELs - 8-Hour TWA Exposure Value: 5 mg/m ³ |
| | Mineral Oil | 8042-47-5 | Quebec OELs - 15-minute STEL: 10 mg/m ³ |
| | Mineral Oil | 8042-47-5 | Saskatchewan OELs - 8 Hour Average Contamination Limit: 5 mg/m ³ (Oil mist, mineral) |
| | Mineral Oil | 8042-47-5 | Saskatchewan OELs - 15 Minute Average Contamination Limit: 10 mg/m ³ (Oil mist, mineral) |

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B Compound

| Country (Legal Basis) | Substance | Identifier | Permissible concentration |
|-----------------------|-------------|------------|---|
| Mexico | Mineral Oil | 8042-47-5 | NOM-010-STPS-2014: Time Weighted Average Exposure Limit Value (VLE-PPT): 5 mg/m ³ (Mineral oil, excluding metal working fluids, pure, highly and severely refined) |

Biological limit values:

No biological exposure limits noted for the ingredient(s).

Derived No Effect Level (DNEL):

Not determined or not applicable.

Predicted No Effect Concentration (PNEC):

Not determined or not applicable.

Information on monitoring procedures:

Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls
Biological monitoring may also be appropriate for some substances

8.2 Exposure controls

Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.

Use explosion-proof ventilation equipment.

Personal protection equipment

Eye and face protection:

Safety goggles or glasses, or appropriate eye protection.

Skin and body protection:

Select glove material impermeable and resistant to the substance.

Wear appropriate clothing to prevent any possibility of skin contact.

For continuous contact we recommend nitrile gloves with breakthrough time of more than 240 minutes with preference for > 480 minutes where suitable gloves can be identified.

Respiratory protection:

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

Use a European Standard EN149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced. Comply with the European Standard EN149.

General hygienic measures:

Avoid contact with skin, eyes and clothing.

Wash hands before breaks and at the end of work.

Wash contaminated clothing before reuse.

Environmental exposure controls:

Select controls based on a risk assessment of local conditions.

See section 6 for information on accidental release measures.

SECTION 9: Physical and chemical properties

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9.1 Information on basic physical and chemical properties

| | |
|--|----------------------------------|
| Appearance | Black Putty |
| Odor | Strong Solvent |
| Odor threshold | Not determined or not available. |
| pH | Not determined or not available. |
| Melting point/freezing point | -95°C |
| Initial boiling point/range | 232°F |
| Flash point (closed cup) | 7°C (44.6°F) |
| Evaporation rate | 2.24 |
| Flammability (solid, gas) | Not determined or not available. |
| Upper flammability/explosive limit | 7.1 |
| Lower flammability/explosive limit | 1.1 |
| Vapor pressure | 22 mmHg |
| Vapor density | Not determined or not available. |
| Density | Not determined or not available. |
| Relative density | 1.03 |
| Solubilities | Not determined or not available. |
| Partition coefficient (n-octanol/water) | Not determined or not available. |
| Auto/Self-ignition temperature | Not determined or not available. |
| Decomposition temperature | Not determined or not available. |
| Dynamic viscosity | Not determined or not available. |
| Kinematic viscosity | Not determined or not available. |
| Explosive properties | Not determined or not available. |
| Oxidizing properties | Not determined or not available. |

9.2 Other information

SECTION 10: Stability and reactivity

10.1 Reactivity:

Does not react under normal conditions of use and storage.

10.2 Chemical stability:

Stable under normal conditions of use and storage.

10.3 Possibility of hazardous reactions:

None under normal conditions of use and storage.

10.4 Conditions to avoid:

None known.

10.5 Incompatible materials:

None known.

10.6 Hazardous decomposition products:

None known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Assessment: Based on available data, the classification criteria are not met.

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Product data: No data available.

Substance data: No data available.

Skin corrosion/irritation

Assessment: Causes skin irritation

Product data:

No data available.

Substance data:

| Name | Result |
|---------|-------------------------|
| Toluene | Irritating to the skin. |
| Sulfur | Irritating to the skin. |

Serious eye damage/irritation

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data:

| Name | Result |
|------------------|--------------------------------|
| Insoluble sulfur | Irritating effect on the eyes. |

Respiratory or skin sensitization

Assessment: May cause an allergic skin reaction

Product data:

No data available.

Substance data:

| Name | Result |
|--------------------------------------|--|
| 2,2' Dibenzamido diphenyl disulphide | Sensitization possible through skin contact. |

Carcinogenicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data:

| Name | Species | Result |
|---|--|--|
| Carbon Black | Carbon Black | The IARC carcinogenic classification and California Proposition 65 Warning only apply to airborne, unbound particles of respirable size of Carbon Black. |
| Hydrotreated Light Naphthenic Distillates | Distillates (petroleum), hydrotreated light naphthenic | The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346. |
| Hydrotreated Heavy Naphthenic Distillates | Not applicable | The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346. |
| | Distillates (petroleum), hydrotreated heavy naphthenic | The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346 |

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| Name | Species | Result |
|--|---|--|
| Hydrotreated Heavy Paraffinic Distillates | Distillates (petroleum), hydrotreated heavy paraffinic | The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346. |
| Distillates, Petroleum, Solvent-Dewaxed Heavy Paraffinic | Distillates (petroleum), solvent-dewaxed heavy paraffinic | The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346. |

International Agency for Research on Cancer (IARC):

| Name | Classification |
|----------------|--|
| Natural Rubber | Group 3 - Not classifiable as to its carcinogenicity to humans |
| Toluene | Group 3 - Not classifiable as to its carcinogenicity to humans |
| Carbon Black | Group 2B - Possibly carcinogenic to humans |

National Toxicology Program (NTP): None of the ingredients are listed.

Germ cell mutagenicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data: No data available.

Reproductive Toxicity

Assessment: Suspected of damaging fertility or the unborn child

Product data:

No data available.

Substance data:

| Name | Result |
|---|---|
| Toluene | Suspected of damaging fertility or the unborn child. |
| Phenol, 4-Methyl-, Reaction Products With Dicyclopentadiene And Isobutylene | Suspected of damaging the unborn child if exposed orally. |

Specific target organ toxicity (single exposure)

Assessment: May cause drowsiness or dizziness

Product data:

No data available.

Substance data:

| Name | Result |
|---------|---|
| Toluene | Component affects the central nervous system. |

Specific target organ toxicity (repeated exposure)

Assessment: May cause damage to organs through prolonged or repeated exposure

Product data:

No data available.

Substance data: No data available.

Aspiration toxicity

Assessment: May be fatal if swallowed and enters airways

Product data:

No data available.

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Substance data: No data available.

Information on likely routes of exposure:

No data available.

Symptoms related to the physical, chemical and toxicological characteristics:

No data available.

Other information:

No data available.

SECTION 12: Ecological information

12.1 Toxicity

Acute (short-term) toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data:

| Name | Result |
|---|--|
| Zinc oxide | Daphnia magna (Water flea) - 0.098 mg/l - 48 h |
| | Oncorhynchus mykiss (rainbow trout) - 1.1 mg/l - 96.0 h |
| Phenol, 4-Methyl-, Reaction Products With Dicyclopentadiene And Isobutylene | NOEC - Selenastrum capricornutum (green algae) - > 0.2 mg/l - 72 h |

Chronic (long-term) toxicity

Product data: No data available.

Substance data: No data available.

12.2 Persistence and degradability

Product data: No data available.

Substance data: No data available.

12.3 Bioaccumulative potential

Product data: No data available.

Substance data: No data available.

12.4 Mobility in soil

Product data: No data available.

Substance data: No data available.

12.5 Results of PBT and vPvB assessment

PBT assessment: This product does not contain any substances that are assessed to be a PBT.

vPvB assessment: This product does not contain any substances that are assessed to be a vPvB.

12.6 Other adverse effects: No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Relevant information:

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities

SECTION 14: Transport information

International Carriage of Dangerous Goods by Road/Rail (ADR/RID)

| | |
|-----------|------|
| UN number | 1993 |
|-----------|------|

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B Compound

| | |
|--------------------------------------|---|
| UN proper shipping name | Flammable Liquid, n.o.s. (Toluene) |
| UN transport hazard class(es) | 3  |
| Packing group | II |
| Environmental hazards | None |
| Special precautions for user | None |
| Classification code | 33 |
| Transport category | 2 |
| Tunnel restriction code | (D/E) |
| Excepted quantities | E2 |
| Limited quantity | 1L |


International Carriage of Dangerous Goods by Inland Waterways (ADN)

| | |
|--------------------------------------|--|
| UN number | 1993 |
| UN proper shipping name | Flammable Liquid, n.o.s. (Toluene) |
| UN transport hazard class(es) | 3  |
| Packing group | II |
| Environmental hazards | None |
| Special precautions for user | None |
| Excepted quantities | E2 |
| Limited quantity | 1L |

International Maritime Dangerous Goods (IMDG)

| | |
|--------------------------------------|---|
| UN number | 1993 |
| UN proper shipping name | Flammable Liquid, n.o.s. (Toluene) |
| UN transport hazard class(es) | 3  |
| Packing group | II |
| Environmental hazards | None |
| Special precautions for user | None |
| EmS number | F-E, S-E |
| Excepted quantities | E2 |
| Limited quantity | 1L |

International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

| | |
|--------------------------------------|---|
| UN number | 1993 |
| UN proper shipping name | Flammable Liquid, n.o.s. (Toluene) |
| UN transport hazard class(es) | 3  |
| Packing group | II |
| Environmental hazards | None |
| Special precautions for user | None |

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B Compound

| | |
|---------------------|----|
| Excepted quantities | E2 |
| Limited quantity | 1L |

SECTION 15: Regulatory information

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

European regulations

Inventory listing (EINECS):

| | | |
|------------|---|------------|
| 9003-31-0 | Natural Rubber | Not Listed |
| 1314-13-2 | Zinc oxide | Listed |
| 64742-53-6 | Hydrotreated Light Naphthenic Distillates | Listed |
| 108-88-3 | Toluene | Listed |
| 135-57-9 | 2,2' Dibenzamido diphenyl disulphide | Listed |
| 7704-34-9 | Sulfur | Listed |
| 1333-86-4 | Bounded Carbon Black | Listed |
| 9035-99-8 | Insoluble sulfur | Not Listed |
| 64742-65-0 | Distillates, Petroleum, Solvent-Dewaxed Heavy Paraffinic | Listed |
| 64742-52-5 | Distillates (petroleum), hydrotreated heavy naphthenic | Listed |
| 57-11-4 | Stearic acid | Listed |
| 64742-54-7 | Hydrotreated Heavy Paraffinic Distillates | Listed |
| 68610-51-5 | Phenol, 4-Methyl-, Reaction Products With Dicyclopentadiene And Isobutylene | Listed |
| 1333-86-4 | Carbon Black | Listed |
| 8042-47-5 | Mineral Oil | Listed |
| 64742-52-5 | Hydrotreated Heavy Naphthenic Distillates | Listed |

REACH SVHC candidate list: Not determined.

REACH SVHC Authorizations: Not determined.

REACH Restriction:

| | | |
|----------|---------|--------|
| 108-88-3 | Toluene | Listed |
|----------|---------|--------|

Water hazard class (WGK) (Product): Not determined.

Water hazard class (WGK) (Substance): Not determined.

Other regulations

Germany MAK: 8-hour TWA: 0.1 mg/m³ [Zinc and its inorganic compounds (respirable fraction)], 8-hour TWA: 2 mg/m³ [Zinc and its inorganic compounds (inhalable fraction)]

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: Other information

Indication of changes:

Not applicable.

Abbreviations and Acronyms: None

Classification procedure:

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| Classification according to Regulation (EC) No1278/2008 (CLP) | Method Used |
|--|--------------------|
| Flammable liquids, category 2 | Calculation method |
| Skin irritation, category 2 | Calculation method |
| Skin sensitization, category 1 | Calculation method |
| Aspiration hazard, category 1 | Expert judgement |
| Specific target organ toxicity - single exposure, category 3, central nervous system | Calculation method |
| Specific target organ toxicity - repeated exposure, category 2 | Calculation method |
| Reproductive toxicity, category 2 | Calculation method |
| Chronic aquatic hazard, category 3 | Calculation method |

Summary of classification in section 3:

| | |
|-------------------------|--|
| Repr. 2; H361 | Reproductive toxicity, category 2 |
| Aquatic Chronic 4; H413 | Chronic aquatic hazard, category 4 |
| Asp. Tox. 1; H304 | Aspiration hazard, category 1 |
| Skin Irrit. 2 ; H315 | Skin irritation, category 2 |
| Stot SE 3; H336 | Specific target organ toxicity - single exposure, category 3, central nervous system |
| Stot RE 2; H373 | Specific target organ toxicity - repeated exposure, category 2 |
| Flam. Liq. 2; H225 | Flammable liquids, category 2 |
| Skin Sens. 1; H317 | Skin sensitization, category 1 |
| Eye Irrit. 2; H319 | Eye irritation, category 2A |
| Aquatic Acute 1; H400 | Acute aquatic hazard, category 1 |
| Aquatic Chronic 1; H410 | Chronic aquatic hazard, category 1 |

Summary of hazard statements in section 3:

| | |
|------|---|
| H361 | Suspected of damaging fertility or the unborn child |
| H413 | May cause long lasting harmful effects to aquatic life |
| H304 | May be fatal if swallowed and enters airways |
| H315 | Causes skin irritation |
| H336 | May cause drowsiness or dizziness |
| H373 | May cause damage to organs through prolonged or repeated exposure |
| H225 | Highly flammable liquid and vapour |
| H317 | May cause an allergic skin reaction |
| H319 | Causes serious eye irritation |
| H400 | Very toxic to aquatic life |
| H410 | Very toxic to aquatic life with long lasting effects |

Disclaimer:

This product has been classified in accordance with EC 1272/2008 (CLP) and EC 1907/2006 (REACH). The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

NFPA: 2-2-0

HMIS: 2-2-0

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End of Safety Data Sheet