

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

1.1. Product identifier

Product form : Mixture
Product name : 77160 - Slideway CGLP 220
Product code : 77160

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

1.2.1. Relevant identified uses

Intended for general public
Main use category : Industrial use, Professional use, Consumer use
Function or use category : Lubricants and additives

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Transnational Blenders bv
Wieldrechtseweg, 37
NL- 3316 BG Dordrecht – Netherlands Zuid Holland
Netherlands
T +31 (0)78 6527652
technical@tnb.nl - www.tnb.nl

1.4. Emergency telephone number

| Country | Organisation/Company | Address | Emergency number | Comment |
|----------------|--|----------------------------|------------------|--------------------------------------|
| United Kingdom | Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust | Avonley Road SE14 5ER | +44 20 7188 7188 | |
| United Kingdom | National Poisons Information Service (Belfast Centre) Royal Victoria Hospital | Grosvenor Road BT12 6BA | 0344 892 0111 | Only for healthcare professionals |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazardous to the aquatic environment – Chronic Hazard, H412
Category 3
Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

Harmful to aquatic life with long lasting effects.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

EUH-statements : EUH210 - Safety data sheet available on request.

2.3. Other hazards

Other hazards which do not result in classification : Prolonged or repeated skin contact with the material will remove natural oils which leads to a dermatitis. Spills of this product present a serious slipping hazard.

Contains no PBT and/or vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

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The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|--|---------------|---|
| Distillates (petroleum), hydrotreated heavy paraffinic substance with national workplace exposure limit(s) (AT, BE, BG, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IT, LT, LV, NL, PL, PT, RO, SE, SI, SK, IS, NO, CH, TR); substance with a Community workplace exposure limit | CAS-No.: 64742-54-7 EC-No.: 265-157-1 EC Index-No.: 649-467-00-8 REACH-no: 01-2119484627-25 | ≥ 45 – < 55 | Not classified |
| Residual oils (petroleum), solvent-dewaxed substance with national workplace exposure limit(s) (NL) | CAS-No.: 64742-62-7 EC-No.: 265-166-0 EC Index-No.: 649-471-00-X REACH-no: 01-2119480472-38 | ≥ 45 – < 55 | Not classified |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic substance with national workplace exposure limit(s) (AT, BE, BG, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IT, LT, LV, NL, PL, PT, RO, SE, SI, SK, IS, NO, CH, TR); substance with a Community workplace exposure limit | CAS-No.: 64742-65-0 EC-No.: 265-169-7 EC Index-No.: 649-474-00-6 REACH-no: 01-2119471299-27 | ≥ 0.1 – < 1 | Not classified |
| Distillates (petroleum), solvent-refined heavy paraffinic substance with national workplace exposure limit(s) (BE, BG, CZ, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, LT, LV, NL, PL, PT, RO, SE, SI, SK, IS, NO, CH); substance with a Community workplace exposure limit | CAS-No.: 64741-88-4 EC-No.: 265-090-8 EC Index-No.: 649-454-00-7 REACH-no: 01-2119488706-23 | ≥ 0.1 – < 1 | Not classified |
| C16-18-(even numbered, saturated and unsaturated)-alkylamines | CAS-No.: 1213789-63-9 EC-No.: 627-034-4 REACH-no: 01-2119473797-19 | ≥ 0.1 – < 0.3 | Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10) |
| 2-Ethyl-1-Hexanol substance with national workplace exposure limit(s) (AT, BE, BG, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IT, LT, LU, LV, NL, PL, PT, RO, SE, SI, SK, IS, NO, CH, TR); substance with a Community workplace exposure limit | CAS-No.: 104-76-7 EC-No.: 203-234-3 REACH-no: 01-2119487289-20 | < 0.1 | Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 |

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| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|--|-------|---|
| Octylamine substance with national workplace exposure limit(s) (LV) | CAS-No.: 111-86-4 EC-No.: 203-916-0 REACH-no: 01-2119474880-31 | < 0.1 | Flam. Liq. 3, H226 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 4 (Inhalation), H332 Skin Corr. 1A, H314 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 2, H411 |

Specific concentration limits:

| Name | Product identifier | Specific concentration limits (%) |
|---|--|-----------------------------------|
| C16-18-(even numbered, saturated and unsaturated)-alkylamines | CAS-No.: 1213789-63-9 EC-No.: 627-034-4 REACH-no: 01-2119473797-19 | (10 ≤ C < 100) STOT RE 2, H373 |

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---------------------------------------|--|
| First-aid measures after inhalation | : Remove person to fresh air and keep comfortable for breathing. |
| First-aid measures after skin contact | : Wash skin with plenty of water. |
| First-aid measures after eye contact | : Rinse eyes with water as a precaution. |
| First-aid measures after ingestion | : Call a poison center or a doctor if you feel unwell. |

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

| | |
|-------------------------------------|--|
| Symptoms/effects | : After adequate first aid, no further treatment is required unless symptoms reappear. |
| Symptoms/effects after inhalation | : After adequate first aid, no further treatment is required unless symptoms reappear. |
| Symptoms/effects after skin contact | : After adequate first aid, no further treatment is required unless symptoms reappear. |
| Symptoms/effects after eye contact | : After adequate first aid, no further treatment is required unless symptoms reappear. |

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

Ingestion of large quantities: immediately to hospital.

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|--------------------------------|---|
| Suitable extinguishing media | : Water spray. Dry powder. Foam. Carbon dioxide. |
| Unsuitable extinguishing media | : Do not use a water jet since it may cause the fire to spread. |

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

| | |
|--------------------------------|--|
| Precautionary measures fire | : Exercise caution when fighting any chemical fire. |
| Firefighting instructions | : Use water spray or fog for cooling exposed containers. |
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid spilling the product, as this might cause falls.

6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.

Emergency procedures : Ventilate spillage area.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. Wear suitable protective clothing, gloves and eye/face protection. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for cleaning up : Take up liquid spill into absorbent material.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Avoid contact with skin and eyes.

Handling temperature : $\leq 40\text{ }^{\circ}\text{C}$

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Provide local exhaust or general room ventilation.

Storage conditions : Store in a well-ventilated place. Keep cool.

Storage temperature : $\leq 40\text{ }^{\circ}\text{C}$

Storage area : Store in a well-ventilated place. Store away from heat.

Special rules on packaging : Keep only in original container. Store in a closed container.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)

EU - Indicative Occupational Exposure Limit (IOEL)

| | |
|-----------|----------------------|
| IOEL TWA | 5 mg/m ³ |
| IOEL STEL | 10 mg/m ³ |

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Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)

United Kingdom - Occupational Exposure Limits

| | |
|-----------------------|----------------------|
| WEL TWA (OEL TWA) [1] | 5 mg/m ³ |
| WEL STEL (OEL STEL) | 10 mg/m ³ |

2-Ethyl-1-Hexanol (104-76-7)

EU - Indicative Occupational Exposure Limit (IOEL)

| | |
|----------------|-------|
| IOEL TWA [ppm] | 1 ppm |
|----------------|-------|

United Kingdom - Occupational Exposure Limits

| | |
|-----------------------|-----------------------|
| WEL TWA (OEL TWA) [1] | 5.4 mg/m ³ |
| WEL TWA (OEL TWA) [2] | 1 ppm |

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

EU - Indicative Occupational Exposure Limit (IOEL)

| | |
|----------|---------------------|
| IOEL TWA | 5 mg/m ³ |
|----------|---------------------|

United Kingdom - Occupational Exposure Limits

| | |
|-----------------------|---------------------|
| WEL TWA (OEL TWA) [1] | 5 mg/m ³ |
|-----------------------|---------------------|

Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)

EU - Indicative Occupational Exposure Limit (IOEL)

| | |
|-----------|----------------------|
| IOEL TWA | 5 mg/m ³ |
| IOEL STEL | 10 mg/m ³ |

United Kingdom - Occupational Exposure Limits

| | |
|-----------------------|----------------------|
| WEL TWA (OEL TWA) [1] | 5 mg/m ³ |
| WEL STEL (OEL STEL) | 10 mg/m ³ |

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment:

Gloves. Safety glasses. Protective clothing.

Personal protective equipment symbol(s):



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8.2.2.1. Eye and face protection

Eye protection:

Safety glasses

| Eye protection | | | |
|----------------|----------------------|-----------------|----------|
| Type | Field of application | Characteristics | Standard |
| Safety glasses | Droplet | clear | EN 166 |

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Protective gloves

| Hand protection | | | | | |
|-----------------|---|-------------------|----------------|-------------|------------|
| Type | Material | Permeation | Thickness (mm) | Penetration | Standard |
| | Nitrile rubber (NBR), Neoprene rubber (HNBR) | 5 (> 240 minutes) | 0.7 | 3 (> 0.65) | EN ISO 374 |
| | Polyvinylchloride (PVC) | 2 (> 30 minutes) | 0.4 | 3 (> 0.65) | EN ISO 374 |

8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|---|
| Physical state | : Liquid |
| Colour | : light yellow. |
| Odour | : Not available |
| Odour threshold | : Not available |
| Melting point | : Not applicable |
| Freezing point | : -21 °C (ASTM D7346) |
| Boiling point | : Not available |
| Flammability | : Non flammable. |
| Lower explosion limit | : Not available |
| Upper explosion limit | : Not available |
| Flash point | : > 201 °C (ASTM D92) |
| Auto-ignition temperature | : Not available |
| Decomposition temperature | : Not available |
| pH | : Not available |
| Viscosity, kinematic | : 206 mm ² /s @ 40 °C (ASTM D7042) |
| Solubility | : insoluble in water. |
| Partition coefficient n-octanol/water (Log Kow) | : Not available |
| Vapour pressure | : Not available |
| Vapour pressure at 50 °C | : Not available |
| Density | : 892 kg/m ³ @ 15 °C (ASTM D4052) |
| Relative density | : Not available |

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Relative vapour density at 20°C : Not available
Particle characteristics : Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

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

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

| Residual oils (petroleum), solvent-dewaxed (64742-62-7) | |
|---|--|
| LD50 oral (rat) | > 5000 mg/kg |
| LD50 dermal (rat) | > 2000 mg/kg |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0) | |
| LD50 oral (rat) | > 5000 mg/kg bodyweight 401 Acute Oral Toxicity Test |
| LD50 dermal (rabbit) | > 5000 mg/kg 402 Acute Dermal Toxicity Test |
| LC50 inhalation (rat) (Vapours - mg/l/4h) | > 5.53 mg/l/4h 403 Acute Inhalation Toxicity Test |
| 2-Ethyl-1-Hexanol (104-76-7) | |
| LD50 oral (rat) | 2040 mg/kg |
| LD50 dermal (rat) | 1970 mg/kg |
| LC50 inhalation (rat) (Dust/Mist - mg/l/4h) | 1 mg/l/4h |
| LC50 inhalation (rat) (Vapours - mg/l/4h) | > 0.89 mg/l/4h |

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| Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) | |
|---|---|
| LD50 oral (rat) | > 5000 mg/kg bodyweight 401 Acute Oral Toxicity Test |
| LD50 dermal (rabbit) | > 2000 mg/kg 402 Acute Dermal Toxicity Test |
| LC50 inhalation (rat) (mg/l) | > 5000 mg/l/4h |
| LC50 inhalation (rat) (Dust/Mist - mg/l/4h) | > 5.53 mg/l/4h 403 Acute Inhalation Toxicity Test |
| C16-18-(even numbered, saturated and unsaturated)-alkylamines (1213789-63-9) | |
| LD50 oral (rat) | 1689 mg/kg |
| LD50 dermal (rat) | > 2000 mg/kg |
| Octylamine (111-86-4) | |
| LD50 oral (rat) | 200 mg/kg bw/day |
| LD50 dermal (rabbit) | 200 – 2000 mg/kg |
| LC50 inhalation (rat) (Dust/Mist - mg/l/4h) | 1.6 mg/l/4h |
| Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4) | |
| LD50 oral (rat) | > 5000 mg/kg |
| LD50 dermal (rabbit) | > 2000 mg/kg |
| LC50 inhalation (rat) (mg/l) | > 5000 mg/m ³ |
| LC50 inhalation (rat) (Vapours - mg/l/4h) | 5.53 mg/l/4h |
| Skin corrosion/irritation | : Not classified |
| C16-18-(even numbered, saturated and unsaturated)-alkylamines (1213789-63-9) | |
| pH | 11.7 |
| Octylamine (111-86-4) | |
| pH | 11.8 Temp.: 25 °C Concentration: 10 other:g / 100 ml |
| Serious eye damage/irritation | : Not classified |
| C16-18-(even numbered, saturated and unsaturated)-alkylamines (1213789-63-9) | |
| pH | 11.7 |
| Octylamine (111-86-4) | |
| pH | 11.8 Temp.: 25 °C Concentration: 10 other:g / 100 ml |
| Respiratory or skin sensitisation | : Not classified |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |
| Reproductive toxicity | : Not classified |
| Octylamine (111-86-4) | |
| NOAEL (animal/male, F0/P) | 100 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test) |
| NOAEL (animal/female, F0/P) | 100 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test) |
| STOT-single exposure | : Not classified |
| 2-Ethyl-1-Hexanol (104-76-7) | |
| STOT-single exposure | May cause respiratory irritation. |

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| | |
|---|---|
| C16-18-(even numbered, saturated and unsaturated)-alkylamines (1213789-63-9) | |
| STOT-single exposure | May cause respiratory irritation. |
| Octylamine (111-86-4) | |
| STOT-single exposure | May cause respiratory irritation. |
| STOT-repeated exposure | : Not classified |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0) | |
| LOAEL (oral, rat, 90 days) | 125 mg/kg bodyweight |
| 2-Ethyl-1-Hexanol (104-76-7) | |
| NOAEL (subchronic, oral, animal/male, 90 days) | 250 mg/kg bodyweight |
| Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) | |
| LOAEL (oral, rat, 90 days) | 125 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 |
| C16-18-(even numbered, saturated and unsaturated)-alkylamines (1213789-63-9) | |
| STOT-repeated exposure | May cause damage to organs through prolonged or repeated exposure. |
| Aspiration hazard | : Not classified |
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| Viscosity, kinematic | 206 mm ² /s @ 40°C (ASTM D7042) |
| Residual oils (petroleum), solvent-dewaxed (64742-62-7) | |
| Viscosity, kinematic | 490 mm ² /s @40°C |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0) | |
| Viscosity, kinematic | 150 (1.99 – 847) mm ² /s @40°C |
| Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) | |
| Viscosity, kinematic | ≈ 98 mm ² /s @ 40°C |
| Octylamine (111-86-4) | |
| Viscosity, kinematic | 1.756 mm ² /s |
| Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4) | |
| Viscosity, kinematic | 28.51 mm ² /s @40°C |

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

| | |
|---|--|
| Ecology - general | : Harmful to aquatic life with long lasting effects. |
| Hazardous to the aquatic environment, short-term (acute) | : Not classified |
| Hazardous to the aquatic environment, long-term (chronic) | : Harmful to aquatic life with long lasting effects. |

| | |
|---|--------------------------------|
| Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0) | |
| LC50 - Fish [1] | > 100 mg/l Pimephales promelas |
| EC50 - Crustacea [1] | > 10000 mg/l Daphnia magna |

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| Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0) | |
|---|---|
| NOEC chronic fish | > 1000 mg/l Oncorhynchus mykiss (14d) |
| NOEC chronic crustacea | > 10 mg/l Daphnia magna (21d) |
| NOEC chronic algae | > 100 mg/l Pseudokirchneriella subcapitata (72h) |
| 2-Ethyl-1-Hexanol (104-76-7) | |
| LC50 - Fish [1] | 17.1 mg/l Leuciscus idus melanotus |
| EC50 - Crustacea [1] | 39 mg/l Daphnia magna |
| EC50 72h - Algae [1] | 16.6 mg/l Desmodesmus subspicatus |
| NOEC chronic algae | 5.3 mg/l Desmodesmus subspicatus |
| Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) | |
| LC50 - Fish [1] | > 100 mg/l Pimephales promelas |
| EC50 - Crustacea [1] | > 10000 mg/l Daphnia magna |
| EC50 72h - Algae [1] | > 100 mg/l Pseudokirchneriella subcapitata |
| NOEC chronic fish | 1000 mg/l Oncorhynchus mykiss (14d) |
| NOEC chronic crustacea | 10 mg/l Daphnia magna (21d) |
| NOEC chronic algae | ≥ 100 mg/l Pseudokirchneriella subcapitata (72h) |
| C16-18-(even numbered, saturated and unsaturated)-alkylamines (1213789-63-9) | |
| LC50 - Fish [1] | 0.06 mg/l Pimephales promelas (OECD 203) |
| LC50 - Fish [2] | 0.9 mg/l Cyprinodon variegatus |
| EC50 - Crustacea [1] | 0.011 mg/l Daphnia magna (OECD 202) |
| EC50 72h - Algae [1] | 0.12 mg/l Desmodesmus subspicatus |
| LOEC (chronic) | 0.032 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| NOEC (chronic) | 0.013 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| NOEC chronic crustacea | 0.013 mg/l Daphnia magna (21d) |
| NOEC chronic algae | 0.15 mg/l Desmodesmus subspicatus (72h) |
| Octylamine (111-86-4) | |
| LC50 - Fish [1] | 5.19 mg/l Pimephales promelas |
| EC50 - Crustacea [1] | 1.9 mg/l Daphnia magna |
| EC50 72h - Algae [1] | 0.23 mg/l Desmodesmus subspicatus |
| NOEC chronic algae | 0.07 mg/l Desmodesmus subspicatus (72h) |
| Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4) | |
| LC50 - Fish [1] | > 100 mg/l Pimephales promelas |
| EC50 - Crustacea [1] | > 10000 mg/l Daphnia magna |
| NOEC chronic fish | 1000 mg/l Oncorhynchus mykiss (14d) |
| NOEC chronic crustacea | 10 mg/l Daphnia magna (21d) |
| NOEC chronic algae | ≥ 100 mg/l Pseudokirchneriella subcapitata (72h) |

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12.2. Persistence and degradability

Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)

| | |
|----------------|----------------------|
| Biodegradation | 31 % OECD 301F (28d) |
|----------------|----------------------|

2-Ethyl-1-Hexanol (104-76-7)

| | |
|-------------------------------|------------------------|
| Persistence and degradability | Readily biodegradable. |
|-------------------------------|------------------------|

| | |
|----------------|-----------------|
| Biodegradation | 100 % OECD 301C |
|----------------|-----------------|

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

| | |
|-------------------------------|----------------------------|
| Persistence and degradability | Not readily biodegradable. |
|-------------------------------|----------------------------|

| | |
|----------------|--------------------------|
| Biodegradation | 31 % OECD TG 301 F (28d) |
|----------------|--------------------------|

C16-18-(even numbered, saturated and unsaturated)-alkylamines (1213789-63-9)

| | |
|----------------|----------------------|
| Biodegradation | 66 % OECD 301B (28d) |
|----------------|----------------------|

Octylamine (111-86-4)

| | |
|-------------------------------|------------------------|
| Persistence and degradability | Readily biodegradable. |
|-------------------------------|------------------------|

| | |
|----------------|----------|
| Biodegradation | 99 % 11d |
|----------------|----------|

Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)

| | |
|-------------------------------|----------------------------|
| Persistence and degradability | Not readily biodegradable. |
|-------------------------------|----------------------------|

| | |
|----------------|----------------------|
| Biodegradation | 31 % OECD 301F (28d) |
|----------------|----------------------|

12.3. Bioaccumulative potential

Residual oils (petroleum), solvent-dewaxed (64742-62-7)

| | |
|---|-------|
| Partition coefficient n-octanol/water (Log Pow) | > 3.5 |
|---|-------|

Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)

| | |
|-------------------------------------|-----|
| Bioconcentration factor (BCF REACH) | 260 |
|-------------------------------------|-----|

2-Ethyl-1-Hexanol (104-76-7)

| | |
|-------------------------------------|-------|
| Bioconcentration factor (BCF REACH) | 25.33 |
|-------------------------------------|-------|

| | |
|---|-----|
| Partition coefficient n-octanol/water (Log Pow) | 2.9 |
|---|-----|

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

| | |
|---|---------|
| Partition coefficient n-octanol/water (Log Pow) | 3.9 – 6 |
|---|---------|

C16-18-(even numbered, saturated and unsaturated)-alkylamines (1213789-63-9)

| | |
|-------------------------------------|-------|
| Bioconcentration factor (BCF REACH) | > 500 |
|-------------------------------------|-------|

| | |
|---|-------------|
| Partition coefficient n-octanol/water (Log Kow) | 4.33 @ 25°C |
|---|-------------|

Octylamine (111-86-4)

| | |
|---|-----|
| Partition coefficient n-octanol/water (Log Pow) | 2.9 |
|---|-----|

Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)

| | |
|---|---------|
| Partition coefficient n-octanol/water (Log Pow) | 3.9 – 6 |
|---|---------|

12.4. Mobility in soil

No additional information available

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12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

| | |
|--|--|
| Waste treatment methods | : Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| Product/Packaging disposal recommendations | : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. |
| European List of Waste (LoW, EC 2000/532) | : 13 02 00 - waste engine, gear and lubricating oils |
| HP Code | : HP3 - "Flammable:" – flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point > 55 °C and ≤ 75 °C; – flammable pyrophoric liquid and solid waste: solid or liquid waste which, even in small quantities, is liable to ignite within five minutes after coming into contact with air; – flammable solid waste: solid waste which is readily combustible or may cause or contribute to fire through friction; – flammable gaseous waste: gaseous waste which is flammable in air at 20 °C and a standard pressure of 101.3 kPa; – water reactive waste: waste which, in contact with water, emits flammable gases in dangerous quantities; – other flammable waste: flammable aerosols, flammable self-heating waste, flammable organic peroxides and flammable self-reactive waste. |

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

| ADR | IMDG | IATA | ADN | RID |
|---|---|-----------------------------------|-----------------------------------|-----------------------------------|
| 14.1. UN number or ID number | | | | |
| Not regulated for transport | | | | |
| 14.2. UN proper shipping name | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| 14.3. Transport hazard class(es) | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| 14.4. Packing group | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| 14.5. Environmental hazards | | | | |
| Dangerous for the environment: No | Dangerous for the environment: No Marine pollutant: No | Dangerous for the environment: No | Dangerous for the environment: No | Dangerous for the environment: No |
| No supplementary information available | | | | |

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14.6. Special precautions for user

Overland transport

No data available

Transport by sea

No data available

Air transport

No data available

Inland waterway transport

No data available

Rail transport

No data available

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

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SECTION 16: Other information

| Indication of changes | | | |
|-----------------------|---|----------|----------|
| Section | Changed item | Change | Comments |
| | Revision date | Modified | |
| | Supersedes | Modified | |
| 2.1 | Classification according to Regulation (EC) No. 1272/2008 [CLP] | Added | |
| 2.2 | Hazard statements (CLP) | Added | |
| 2.2 | Precautionary statements (CLP) | Added | |
| 3 | Composition/information on ingredients | Modified | |
| 6.1 | Protective equipment | Removed | |
| 9.1 | Flash point | Modified | |
| 9.1 | Freezing point | Modified | |
| 9.1 | Solubility | Added | |
| 9.1 | Density | Modified | |
| 9.1 | Viscosity, kinematic | Modified | |
| 13.1 | Waste disposal recommendations | Modified | |

| Abbreviations and acronyms: | |
|-----------------------------|---|
| ADN | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road |
| ATE | Acute Toxicity Estimate |
| BCF | Bioconcentration factor |
| BLV | Biological limit value |
| BOD | Biochemical oxygen demand (BOD) |
| COD | Chemical oxygen demand (COD) |
| DMEL | Derived Minimal Effect level |
| DNEL | Derived-No Effect Level |
| EC-No. | European Community number |
| EC50 | Median effective concentration |
| EN | European Standard |
| IARC | International Agency for Research on Cancer |
| IATA | International Air Transport Association |
| IMDG | International Maritime Dangerous Goods |
| LC50 | Median lethal concentration |
| LD50 | Median lethal dose |
| LOAEL | Lowest Observed Adverse Effect Level |
| NOAEC | No-Observed Adverse Effect Concentration |
| NOAEL | No-Observed Adverse Effect Level |
| NOEC | No-Observed Effect Concentration |

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Abbreviations and acronyms:

| | |
|---------|--|
| OECD | Organisation for Economic Co-operation and Development |
| OEL | Occupational Exposure Limit |
| PBT | Persistent Bioaccumulative Toxic |
| PNEC | Predicted No-Effect Concentration |
| RID | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS | Safety Data Sheet |
| STP | Sewage treatment plant |
| ThOD | Theoretical oxygen demand (ThOD) |
| TLM | Median Tolerance Limit |
| VOC | Volatile Organic Compounds |
| CAS-No. | Chemical Abstract Service number |
| N.O.S. | Not Otherwise Specified |
| vPvB | Very Persistent and Very Bioaccumulative |
| ED | Endocrine disrupting properties |

Full text of H- and EUH-statements:

| | |
|---------------------------|---|
| Acute Tox. 3 (Dermal) | Acute toxicity (dermal), Category 3 |
| Acute Tox. 3 (Oral) | Acute toxicity (oral), Category 3 |
| Acute Tox. 4 (Inhalation) | Acute toxicity (inhal.), Category 4 |
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4 |
| Aquatic Acute 1 | Hazardous to the aquatic environment – Acute Hazard, Category 1 |
| Aquatic Chronic 1 | Hazardous to the aquatic environment – Chronic Hazard, Category 1 |
| Aquatic Chronic 2 | Hazardous to the aquatic environment – Chronic Hazard, Category 2 |
| Asp. Tox. 1 | Aspiration hazard, Category 1 |
| EUH210 | Safety data sheet available on request. |
| Eye Dam. 1 | Serious eye damage/eye irritation, Category 1 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Flam. Liq. 3 | Flammable liquids, Category 3 |
| H226 | Flammable liquid and vapour. |
| H301 | Toxic if swallowed. |
| H302 | Harmful if swallowed. |
| H304 | May be fatal if swallowed and enters airways. |
| H311 | Toxic in contact with skin. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |

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| Full text of H- and EUH-statements: | |
|-------------------------------------|--|
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H411 | Toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |
| Skin Corr. 1A | Skin corrosion/irritation, Category 1, Sub-Category 1A |
| Skin Corr. 1B | Skin corrosion/irritation, Category 1, Sub-Category 1B |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| STOT RE 2 | Specific target organ toxicity – Repeated exposure, Category 2 |
| STOT SE 3 | Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation |

The classification complies with : ATP 12

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.