Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 01/10/2019 Version: 2.2

SECTION 1: Identification

Identification

Product form : Mixtures Trade name : Det&Rinse : DB1016A0 Product code

Recommended use and restrictions on use

Use of the substance/mixture : Oven cleaners

1.3. Supplier

Unox Inc

987 Airlie Parkway

Denver, NC 28037

Phone 800-489-8669

Det.Rinse@unox.it

1.4. Emergency telephone number

Emergency number (24h/24) : Tel: 1.866.519.4752 (3E Company)

Access Code: 334577

SECTION 2: Hazard(s) identification

Classification of the substance or mixture

GHS-US classification

Flammable liquids, Combustible liquid H227 Category 4

H290 Corrosive to metals, May be corrosive to metals

Category 1

Skin corrosion/irritation, H315 Causes skin irritation

Category 2

Serious eve damage/eve

irritation, Category 1

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS-US labelling

Hazard pictograms (GHS-US)

Precautionary statements (GHS-US)



GHS05

Signal word (GHS-US) : Danger Hazard statements (GHS-US)

: H227 - Combustible liquid

H290 - May be corrosive to metals H315 - Causes skin irritation

Causes serious eve damage

H318 - Causes serious eye damage

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

P234 - Keep only in original container

P264 - Wash hands, forearms and face thoroughly after handling

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P302+P352 - If on skin: Wash with plenty of water/...

P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact

lenses, if present and easy to do. Continue rinsing P310 - Immediately call a poison center/doctor/.

P321 - Specific treatment (see supplemental first aid instruction on this label)

P332+P313 - If skin irritation occurs: Get medical advice/attention P362+P364 - Take off contaminated clothing and wash it before reuse P370+P378 - In case of fire: Use media other than water to extinguish

P390 - Absorb spillage to prevent material damage

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P403+P235 - Store in a well-ventilated place. Keep cool

P406 - Store in a corrosion resistant container with a resistant inner liner

P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

Mixtures 32

| Name | Product identifier | % | GHS-US classification |
|---|---------------------|---------|--|
| Dipropylene glycol monomethyl ether- | (CAS No) 34590-94-8 | 1 - 5 | Flam. Liq. 4, H227 |
| potassium hydroxide, caustic potash | (CAS No) 1310-58-3 | 1 - 4.5 | Met. Corr. 1, H290 Acute Tox. 4 (Oral), H302 Skin Corr. 1A, H314 |
| Alcohols, C12-14, ethoxylated propoxylated | (CAS No) 68439-51-0 | 1 - 3 | Not classified |
| D-Glucopyranose, oligomeric, decyl octyl glycosides | (CAS No) 68515-73-1 | 1 - 3 | Eye Dam. 1, H318 |

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general : Self-protection of the first aider.

First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek

medical attention immediately

: Immediately rinse with plenty of water (for at least 15 minutes). Remove contaminated clothing First-aid measures after skin contact

immediately and dispose of safely. Wash contaminated clothing before reuse. Seek medical attention immediately.

: In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes First-aid measures after eye contact

holding eyelids apart. Subsequently consult an ophthalmologist. Remove contact lenses, if

present and easy to do. Continue rinsing. Protect uninjured eye.

First-aid measures after ingestion : Immediately call a POISON CENTER or doctor/ physician. Never give anything by mouth to an

unconscious person. Do not induce vomiting.

Most important symptoms and effects (acute and delayed)

Symptoms/injuries after inhalation : Corrosive to respiratory system. Causes burns.

Symptoms/injuries after skin contact : Causes severe burns.

Symptoms/injuries after eye contact : Causes serious eye damage. Corneal opacity. Iris lesions.

Symptoms/injuries after ingestion : Severe irritation or burns to the mouth, throat, oesophagus, and stomach.

4.3. Immediate medical attention and special treatment, if necessary

Keep under medical supervision for at least 48 hours. In case of accident or if you feel unwell, seek medical advice immediately (show the label where

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water fog. carbon dioxide (CO2), dry chemical powder, foam

Unsuitable extinguishing media : Do not use water jet.

5.2. Specific hazards arising from the chemical

Fire hazard : Combustible. On burning: release of (highly) toxic gases/vapours.

Explosion hazard

Reactivity : Reacts exothermically with (some) acids. Reacts with (strong) oxidizers

5.3. Special protective equipment and precautions for fire-fighters

Precautionary measures fire : Evacuate the personnel away from the fumes.

: Cool down the containers exposed to heat with a water spray. Move undamaged containers Firefighting instructions

from immediate hazard area if it can be done safely.

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Protective equipment for firefighters : Extra personal protection: complete protective clothing including self-contained breathing

apparatus Other information

: Do not allow run-off from fire fighting to enter drains or water courses

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment

: Wear personal protection equipment. Do not attempt to take action without suitable protective

Emergency procedures

Immediately contact emergency personnel. Eliminate all ignition sources if safe to do so. Spilled material may present a slipping hazard.

6.1.2. For emergency responders

Protective equipment

: Wear suitable protective clothing, gloves and eye/face protection. Do not attempt to take action without suitable protective equipment. In presence of product's residue, total impervious

protective suits, gloves, and boots must be worn.

Emergency procedures

: Evacuate unnecessary personnel. Eliminate all ignition sources if safe to do so. Spilled material may present a slipping hazard. Avoid inhalation of vapours. Ventilate affected area. Consult an

6.2. Environmental precautions

Avoid release to the environment. Avoid sub-soil penetration. Relevant water authorities should be notified of any large spillage to water course or drain

Methods and material for containment and cleaning up

For containment

: Stop leak if safe to do so, Recover small spills with a suitable absorbent, like diatomaceous earth. Recover large spills by pumping (use an explosion proof or hand pump).

Methods for cleaning up

: Ventilate affected area. Wear personal protection equipment. Collect in closed containers for disposal. Wash with plenty of soap and water. Consult the appropriate authorities about waste disposal. Wash contaminated area with large amounts of water

Other information

: Do not allow uncontrolled discharge of product into the environment

Reference to other sections

For disposal of residues refer to section 13: Disposal considerations. For further information refer to section 8: "Exposure controls/personal protection".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling

Avoid contact with skin and eyes. Avoid breathing mist or vapor . Keep away from sources of ignition - No smoking. Take any precaution to avoid mixing with Incompatible materials. Open and handle container with care. Ensure operatives are trained to minimise exposures. Avoid formation of vapours

Hygiene measures

: Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures

: Provide adequate ventilation.

Storage conditions

: Store tightly closed in a dry, cool and well-ventilated place. Keep out of direct sunlight.

Incompatible materials

: Acids. alkali. oxidizing agents. Flammable materials. Peroxides

Storage temperature

Heat and ignition sources

: Keep away from open flames, hot surfaces and sources of ignition.

Information on mixed storage

: Keep away from food, drink and animal feeding stuffs.

: Use explosion-proof lighting equipment.

Storage area Packaging materials

stainless steel. Polyvinylchloride (PVC). Polyethylene. Teflon. Neoprene. Unsuitable material: Do not use aluminum, tin or zinc containers, Copper, Lead, Tin (inorganic compounds).

SECTION 8: Exposure controls/personal protection

| potassium nyuroxiue, caustic potasii (1310-36-3) |
|--|
| Not applicable |

Alcohols, C12-14, ethoxylated propoxylated (68439-51-0)

Not applicable

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| D-Glucopyranose, oligomeric, decyl octyl glycosides (68515-73-1) Not applicable | | | |
|--|-----------------------------|-----------------------------------|--|
| Dipropylene glycol monomethyl ether- (34590-94-8) | | | |
| ACGIH | ACGIH TWA (ppm) | 100 ppm | |
| ACGIH | ACGIH STEL (ppm) | 150 ppm | |
| OSHA | OSHA PEL (TWA) (mg/m³) | 600 mg/m³ | |
| OSHA | OSHA PEL (TWA) (ppm) | 100 ppm | |
| OSHA | Limit value category (OSHA) | prevent or reduce skin absorption | |
| IDLH | US IDLH (ppm) | 600 ppm | |
| NIOSH | NIOSH REL (TWA) (mg/m³) | 600 mg/m³ | |
| NIOSH | NIOSH REL (TWA) (ppm) | 100 ppm | |
| NIOSH | NIOSH REL (STEL) (mg/m³) | 900 mg/m³ | |
| NIOSH | NIOSH REL (STEL) (ppm) | 150 ppm | |
| NIOSH | US-NIOSH chemical category | Potential for dermal absorption | |

Appropriate engineering controls

Appropriate engineering controls

: Provide adequate ventilation. A washing facility/water for eye and skin cleaning purposes

Individual protection measures/Personal protective equipment

Personal protective equipment:

Safety glasses. Gloves. Protective clothing. An approved organic vapour respirator/supplied air or self-contained breathing apparatus must be used when vapour concentration exceeds applicable exposure limits.

Materials for protective clothing:

Rubbers. PVC (Polyvinyl chloride). Natural fibres (e.g. cotton). (NIOSH-approved)

Hand protection:

Chemical resistant gloves (nitrile-rubber, PVC, neoprene). Break through time: ≥ 480 min. Thickness of glove material: 0.4-0.5 mm. Use equipment for hand protection tested and approved in accordance with OSHA requirements (29 CFR 1910.138)

Eye protection:

Chemical goggles or face shield with safety glasses. Do not wear contact lenses. Use equipment for eye protection tested and approved in accordance with OSHA requirements (29 CFR 1910.133)

Skin and body protection:

Wear work clothes with long sleeves. Wear suitable protective clothing or Rubber apron. (NIOSH-approved)

Respiratory protection:

An approved organic vapour respirator/supplied air or self-contained breathing apparatus must be used when vapour concentration exceeds applicable exposure limits. (NIOSH-approved)







Information on basic physical and chemical properties

SECTION 9: Physical and chemical properties

| Physical state | : Liquid |
|----------------|------------------|
| Colour | : straw yellow |
| Odour | : characteristic |

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Odour threshold : No data available : 14 at 20°C Melting point : No data available Freezing point : No data available Boiling point : No data available Flash point : > 100 °C Relative evaporation rate (butylacetate=1) : No data available Flammability (solid, gas) : Not flammable. Vapour pressure : No data available Relative vapour density at 20 °C : No data available Relative density : No data available Density : 1.1 - 1.25 kg/l Solubility : soluble in water. Log Pow : No data available Auto-ignition temperature : No data available Decomposition temperature : No data available Viscosity, kinematic : No data available Viscosity, dynamic : No data available Explosive limits : No data available

Explosive properties : Not expected to be explosive as none of the components is classified as explosive.

Oxidising properties : Not oxidising.

9.2. Other information

VOC content : 4.6 %

SECTION 10: Stability and reactivity

10.1. Reactivity

Reacts exothermically with (some) acids. Reacts with (strong) oxidizers.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal conditions.

10.4. Conditions to avoid

Keep away from acids. Oxidizing agent. Peroxides.

10.5. Incompatible materials

Acids. Oxidizing agent. Peroxides. Flammable materials.

10.6. Hazardous decomposition products

On combustion or on thermal decomposition (pyrolysis) releases: Nitrogen oxides (NOx). Carbon dioxide (CO2). Phosphorus oxides. Sulfur oxides. Pyrolysis products, toxic.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

| potassium hydroxide, caustic potash (1310-58-3) | | |
|--|--------------------------------|--|
| LD50 oral rat | 333 mg/kg | |
| ATE US (oral) | 333.000 mg/kg bodyweight | |
| Alcohols, C12-14, ethoxylated propoxylated (68439-51-0) | | |
| LD50 oral rat | > 2000 mg/kg | |
| D-Glucopyranose, oligomeric, decyl octyl glycosides (68515-73-1) | | |
| LD50 oral rat | > 2000 mg/kg (OECD 423 method) | |
| LD50 dermal rat | > 2000 mg/kg (OECD 402 method) | |
| | | |

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| Dipropylene glycol monomethyl ether- (345 | 590- | 94-8) |
|--|------|---|
| LD50 oral rat | | 5400 mg/kg |
| LD50 dermal rat | | > 13000 mg/kg |
| ATE US (oral) | | 5400.000 mg/kg bodyweight |
| Skin corrosion/irritation | : | Causes skin irritation. |
| | | pH: 14 at 20°C |
| Serious eye damage/irritation | : | Causes serious eye damage. |
| | | pH: 14 at 20°C |
| Respiratory or skin sensitisation | : | Not classified |
| Germ cell mutagenicity | : | Not classified |
| Carcinogenicity | : | Not classified |
| Reproductive toxicity | : | Not classified |
| Specific target organ toxicity (single exposure) | : | Not classified |
| Specific target organ toxicity (repeated exposure) | : | Not classified |
| Aspiration hazard | : | Not classified |
| Symptoms/injuries after inhalation | : | Corrosive to respiratory system. Causes burns. |
| Symptoms/injuries after skin contact | : | Causes severe burns. |
| Symptoms/injuries after eve contact | | Causes serious eye damage. Corneal opacity. Iris lesions. |

SECTION 12: Ecological information

12.1. Toxicity

Symptoms/injuries after ingestion

| potassium hydroxide, caustic potash (1310-58-3) | | |
|--|--|--|
| LC50 fish 1 | 80 mg/l Gambusia affinis | |
| Alcohols, C12-14, ethoxylated propoxylated (68439-51-0) | | |
| LC50 fish 1 | 1 - 10 mg/l (OECD 203 method) | |
| EC50 Daphnia 1 | 1 - 10 (OECD 202 method) | |
| EC50 other aquatic organisms 1 | > 10000 mg/l Bacteria toxicity | |
| D-Glucopyranose, oligomeric, decyl octyl glycosides (68515-73-1) | | |
| LC50 fish 1 | > 100 mg/l Brachydario rerio | |
| EC50 Daphnia 1 | 10 - 100 mg/l | |
| NOEC chronic fish | 1.8 mg/l Brachydanio rerio | |
| NOEC chronic crustacea | 1 mg/l Daphinia Magna | |
| Dipropylene glycol monomethyl ether- (34590-94-8) | | |
| LC50 fish 1 | > 10000 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static]) | |
| EC50 Daphnia 1 | 1919 mg/l (Exposure time: 48 h - Species: Daphnia magna) | |
| EC50 other aquatic organisms 1 | 4168 mg/l Active sludge | |

: Severe irritation or burns to the mouth, throat, oesophagus, and stomach.

12.2. Persistence and degradability

| potassium hydroxide, caustic potash (1310-58-3) | | |
|---|--|--|
| Persistence and degradability | The methods for determining the biological degradability are not applicable to inorganic substances. | |
| | | |

| Dipropylene glycol monomethyl ether- (34590-94-8) | | |
|---|------------------------|--|
| Persistence and degradability | Readily biodegradable. | |
| Biodegradation | 96 % 28 day | |

12.3. Bioaccumulative potential

| Det&Rinse | |
|---------------------------|--------------------------------|
| Bioaccumulative potential | Low bioaccumulation potential. |

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| potassium hydroxide, caustic potash (1310-58-3) | | |
|---|---------------------|--|
| Bioaccumulative potential | No bioaccumulation. | |
| Alcohols, C12-14, ethoxylated propoxylated (68439-51-0) | | |
| Log Pow | < 1.77 | |
| Bioaccumulative potential | No bioaccumulation. | |
| Dipropylene glycol monomethyl ether- (34590-94-8) | | |
| Log Pow | 0.004 | |
| Bioaccumulative potential | No bioaccumulation. | |

12.4. Mobility in soil

| Det&Rinse | |
|----------------|---------------------------------------|
| Ecology - soil | Expected to be highly mobile in soil. |

12.5. Other adverse effects

Effect on global warming : No known effects from this product.

GWPmix comment : No known effects from this product.

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Reuse or recycle following decontamination. External recovery and recycling of waste should comply with applicable local and/or national regulations. Recycling is preferred to disposal or

incineration

Product/Packaging disposal recommendations : Dispose of this material and its container at hazardous or special waste collection point.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Transport document description : UN1814 Potassium hydroxide, solution, 8, III

UN-No.(DOT) : UN1814

Proper Shipping Name (DOT) : Potassium hydroxide, solution

Class (DOT) : 8 - Class 8 - Corrosive material 49 CFR 173.136

Packing group (DOT) : III - Medium Danger Hazard labels (DOT) : 8 - Corrosive



DOT Packaging Non Bulk (49 CFR 173.xxx) DOT Packaging Bulk (49 CFR 173.xxx) DOT Special Provisions (49 CFR 172.102)

(x) : 202 : 242

: B2 - MC 300, MC 301, MC 302, MC 303, MC 305, and MC 306 and DOT 406 cargo tanks are not authorized.

IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31H2T). Additional Requirement: Ohly liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized.

T7 - 4 178.274(d)(2) Normal...... 178.275(d)(3)

TP2 - a. The maximum degree of filling must not exceed the degree of filling determined by the following: (image) Where: tr is the maximum mean bulk temperature during transport, tf is the temperature in degrees celsius of the liquid during filling, and a is the mean coefficient of cubical expansion of the liquid between the mean temperature of the liquid during filling (tf) and the maximum mean bulk temperature during transportation (tr) both in degrees celsius. b. For liquids transported under ambient conditions may be calculated using the formula: (image) Where: 415 and 450 are the densities (in units of mass per unit volume) of the liquid at 15 C

(59 F) and 50 C (122 F), respectively.

DOT Packaging Exceptions (49 CFR 173,xxx) : 154

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DOT Quantity Limitations Passenger aircraft/rail : 5 L

(49 CFR 173.27)

DOT Quantity Limitations Cargo aircraft only (49 : 30 L

CFR 175.75)

DOT Vessel Stowage Location : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a

passenger vesse

DOT Vessel Stowage Other : 52 - Stow "separated from" acids

Emergency Response Guide (ERG) Number : 154

Other information : No supplementary information available.

Transportation of Dangerous Goods

Transport by sea

Transport document description (IMDG) : UN 1814 POTASSIUM HYDROXIDE SOLUTION, 8, III

UN-No. (IMDG) : 1814

Proper Shipping Name (IMDG) : POTASSIUM HYDROXIDE SOLUTION

Class (IMDG) : 8 - Corrosive substances

Packing group (IMDG) : III - substances presenting medium danger

Limited quantities (IMDG) : 5 L

Air transport

Transport document description (IATA) : UN 1814 Potassium hydroxide solution, 8, III

UN-No. (IATA) : 1814

Proper Shipping Name (IATA) : Potassium hydroxide solution

Class (IATA) : 8 - Corrosives
Packing group (IATA) : III - Medium Danger

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory except for:

| potassium hydroxide, caustic | potash | CAS No 1310-58-3 | 1 - 4.5% |
|------------------------------|--------|------------------|----------|
| | | | |

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable minimum concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372

Alcohols, C12-14, ethoxylated propoxylated (68439-51-0)

| EPA TSCA Regulatory Flag | XU - XU - indicates a substance exempt from reporting under the Inventory Update Reporting |
|--------------------------|---|
| | Rule, i.e, Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 |
| | CFR 710(C)). |

15.2. International regulations

CANADA

No additional information available

Alcohols, C12-14, ethoxylated propoxylated (68439-51-0)

Listed on the Canadian DSL (Domestic Substances List)

D-Glucopyranose, oligomeric, decyl octyl glycosides (68515-73-1)

Listed on the Canadian DSL (Domestic Substances List)

Dipropylene glycol monomethyl ether- (34590-94-8)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

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| | | |

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D-Glucopyranose, oligomeric, decyl octyl glycosides (68515-73-1)

Listed on the EU NLP (No Longer Polymers) inventory

Dipropylene glycol monomethyl ether- (34590-94-8)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

National regulations

Alcohols, C12-14, ethoxylated propoxylated (68439-51-0)

Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on the Korean ECL (Existing Chemicals List)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

D-Glucopyranose, oligomeric, decyl octyl glycosides (68515-73-1)

Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on the Korean ECL (Existing Chemicals List)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Listed on Turkish inventory of chemical

Dipropylene glycol monomethyl ether- (34590-94-8)

Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on the Korean ECL (Existing Chemicals List)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Listed on the Canadian IDL (Ingredient Disclosure List)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Listed on Turkish inventory of chemical

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information

Other information

: 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. It is the user's responsibility to take mentioned precaution measures and ensure that this information is complete and sufficient for the use of this product.

Full text of H-statements:

| 411 | text of 11 statem | At 6111 statements. | |
|-----|-------------------|---|--|
| | H227 | Combustible liquid | |
| | H290 | May be corrosive to metals | |
| | H302 | Harmful if swallowed | |
| | H314 | Causes severe skin burns and eye damage | |
| | H315 | Causes skin irritation | |
| | H318 | Causes serious eye damage | |
| | H319 | Causes serious eye irritation | |

Abbreviations and acronyms:

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| SDS | Safety Data Sheet |
|-------|---|
| | CAS - Chemical Abstracts Service |
| | GHS - Globally Harmonised System |
| | CSR - Chemical Safety Report |
| 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 |
| DNEL | Derived-No Effect Level |
| EC50 | Median effective concentration |
| 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 |
| OECD | Organisation for Economic Co-operation and Development |
| RID | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| | PVC (Polyvinyl chloride). |
| PNEC | Predicted No-Effect Concentration |
| PBT | Persistent Bioaccumulative Toxic |
| vPvB | Very Persistent and Very Bioaccumulative |
| ATE | Acute Toxicity Estimate |
| BCF | Bioconcentration factor |
| CLP | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008 |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006 |

SDS US (GHS HazCom 2012)

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

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