

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations, Canada Hazardous Products Regulations (HPR) / Règlement sur les produits dangereux (RPD) Issue date: 6/19/2023 Revision date: 8/28/2023 Supersedes: 7/14/2023 Version: 2.0

SECTION 1: Identification

1.1. Identification

| Product form | : Mixture |
|--------------|-----------------|
| Name | : ULTIMATE WASH |

1.2. Recommended use and restrictions on use

Use of the substance/mixture

: Automotive Care Products.

1.3. Supplier

3D International LLC 20724 Centre Pointe Pkwy #1 Santa Clarita, CA, 91350 USA T (888) 999-7627

1.4. Emergency telephone number

Emergency number

: CHEMTREC 1-800-424-9300

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS classification

| Skin corrosion/irritation Category 2 | H315 | Causes skin irritation |
|---------------------------------------------------------------|------|----------------------------------------------------------|
| Serious eye damage/eye irritation Category 1 | H318 | Causes serious eye damage |
| Specific target organ toxicity (repeated exposure) Category 2 | H373 | May cause damage to organs through prolonged or repeated |
| | | exposure |

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS labeling

Hazard pictograms (GHS)

Signal word (GHS) Hazard statements (GHS)

Precautionary statements (GHS)



| | Danger |
|----|-----------------------------------------------------------------------------------------|
| | : H315 - Causes skin irritation |
| | H318 - Causes serious eye damage |
| | H373 - May cause damage to organs through prolonged or repeated exposure |
| 5) | : P260 - Do not breathe mist, spray, vapors. |
| | 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 or doctor. |
| | P314 - Get medical advice/attention if you feel unwell. |
| | P332+P313 - If skin irritation occurs: Get medical advice/attention. |
| | P362+P364 - Take off contaminated clothing and wash it before reuse. |
| | P501 - Dispose of contents/container to hazardous or special waste collection point, in |
| | accordance with local, regional, national and/or international regulation. |
| | |

2.3. Other hazards which do not result in classification

No additional information available

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2.4. Unknown acute toxicity (GHS)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | GHS classification |
|-------------------------------------------------|---------------------|---------|---------------------------------------------------------------------------------------|
| Benzenesulfonic acid, C10-16-alkyl derivs. | CAS-No.: 68584-22-5 | 10 - 15 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 |
| Polyethyleneglycolmonoalkylethersulphate, salts | CAS-No.: 68891-38-3 | 5 - 10 | Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT RE 2, H373 Aquatic Chronic 3, H412 |
| Sodium hydroxide | CAS-No.: 1310-73-2 | 1 - 3 | Met. Corr. 1, H290 Skin Corr. 1A, H314 |

Comments : *Chemical name, CAS number and/or exact concentration have been withheld as a trade secret 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 | : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| First-aid measures after inhalation | : Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe fresh air. Allow the victim to rest. |
| First-aid measures after skin contact | : Wash skin with plenty of water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse. |
| First-aid measures after eye contact | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician. |
| First-aid measures after ingestion | : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. |
| 4.2. Most important symptoms and ef | ffects (acute and delayed) |
| Symptoms/effects | · Causes damage to organs |

| Symptoms/effects | : | Causes damage to organs. |
|-------------------------------------------|---|----------------------------|
| Symptoms/effects after skin contact | : | Causes skin irritation. |
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Symptoms/effects after eye contact : Causes serious eye damage.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically and supportively.

SECTION 5: Fire-fighting measures

| 5.1. Suitable (and unsuitable) extinguishing media | |
|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| Suitable extinguishing media: Water spray. Dry powder. Foam. Carbon dioxide. Sand.Unsuitable extinguishing media: None known. | |
| 5.2. Specific hazards arising from the | he chemical |
| Explosion hazard | : Product is not explosive. |
| Reactivity in case of fire | : No dangerous reactions known. |

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

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5.3. Special protective equipment and precautions for fire-fighters

| Firefighting instructions | : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any |
|--------------------------------|----------------------------------------------------------------------------------------------|
| | chemical fire. Prevent fire-fighting water from entering environment. |
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Wear a self contained |
| | breathing apparatus. Complete protective clothing. Do not enter fire area without proper |
| | protective equipment, including respiratory protection. |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures 6.1.1. For non-emergency personnel Emergency procedures : Ventilate spillage area. No additional risk management measures required. Evacuate unnecessary personnel. 6.1.2. For emergency responders : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". Equip cleanup crew with proper protection. Emergency procedures : No additional risk management measures required. Ventilate area.

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

| Methods for cleaning up | : Collect spillage. Absorb and/or contain spill with inert material, then place in suitable container. |
|-------------------------|--------------------------------------------------------------------------------------------------------|
| | Store away from other materials. |
| 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. See Heading 8. Exposure controls and personal protection.

| SECTION 7: Handling and storage | |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 7.1. Precautions for safe handling | |
| Precautions for safe handling | : Wear personal protective equipment. Avoid breathing vapors, mist, spray. Provide good ventilation in process area to prevent formation of vapor. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. |
| Hygiene measures | : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash hands, forearms and face thoroughly after handling. |

7.2. Conditions for safe storage, including any incompatibilities

| Storage conditions | : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. |
|------------------------|------------------------------------------------------------------------------------------|
| Incompatible products | : Strong bases. Strong acids. |
| Incompatible materials | : Sources of ignition. Direct sunlight. |

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| ULTIMATE WASH |
|---------------------------------------------------------|
| No additional information available |
| Benzenesulfonic acid, C10-16-alkyl derivs. (68584-22-5) |
| No additional information available |

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| and approximate process of the lateral approximation of the and the process process and the process proces | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|--|--|
| Sodium hydroxide (1310-73-2) | | | |
| USA - ACGIH - Occupational Exposure Limits | | | |
| Local name | Sodium hydroxide | | |
| ACGIH OEL Ceiling | 2 mg/m ³ | | |
| Remark (ACGIH) | URT, eye, & skin irr | | |
| USA - OSHA - Occupational Exposure L | imits | | |
| Local name | Sodium hydroxide | | |
| OSHA PEL (TWA) [1] | 2 mg/m ³ | | |
| USA - NIOSH - Occupational Exposure Limits | | | |
| NIOSH REL (Ceiling) | 2 mg/m ³ | | |
| Polyethyleneglycolmonoalkylethersulphate, salts (68891-38-3) | | | |
| No additional information available | | | |
| 8.2. Appropriate engineering control | bls | | |
| Appropriate engineering controls | No special work practices are needed beyond the above recommendations under anticipated conditions of normal use. | | |
| Environmental exposure controls | : Avoid release to the environment. | | |
| 8.3. Individual protection measures | /Personal protective equipment | | |
| Personal protective equipment: Avoid all unnecessary exposure. | | | |
| Materials for protective clothing: | | | |

| Materials for protective clothing: |
|----------------------------------------------------------------|
| Long sleeved protective clothing. |
| Hand protection: |
| Use rubber gloves. Nitrile rubber gloves. Butyl rubber gloves. |
| Eye protection: |
| Chemical goggles or safety glasses. |
| Skin and body protection: |
| Wear suitable protective clothing. |
| Respiratory protection: |
| None under normal use. |

Personal protective equipment symbol(s):



Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

: Liquid

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| an approximate particular (%). In the same particular of the same particular approximation (%). The particular particular approximation (%) and (%) approximation (%) approxim | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| Appearance | : Liquid |
| Color | : Orange |
| Odor | : Citrus |
| Odor threshold | : No data available |
| рН | : 7 – 8 |
| Melting point | : Not applicable |
| Freezing point | : No data available |
| Boiling point | : No data available |
| Flash point | : No data available |
| Relative evaporation rate (butyl acetate=1) | : No data available |
| Flammability (solid, gas) | : Non flammable |
| Vapor pressure | : No data available |
| Relative vapor density at 20°C | : No data available |
| Relative density | : 1.01 |
| Solubility | : Soluble in water |
| Log Pow | : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Viscosity, kinematic | : N/A |
| Viscosity, dynamic | : No data available |
| Explosion limits | : No data available |
| Explosive properties | : No data available |
| Oxidizing properties | : No data available |
| | |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Extremely high or low temperatures. Direct sunlight.

10.5. Incompatible materials

None known.

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 toxicological effects

| Acute toxicity (dermal) : | Not classified Not classified Not classified 22-5) |
|---------------------------|------------------------------------------------------------------------------------------------|
| LD50 Dermal rabbit | > 5000 mg/kg body weight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |

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| Benzenesulfonic acid, C10-16-alkyl derive | S. (58584-22-5) | | |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| LC50 Inhalation rat | lation rat > 1.9 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity) | | |
| Polyethyleneglycolmonoalkylethersulpha | ite, salts (68891-38-3) | | |
| LD50 Oral rat | > 2000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity) | | |
| LD50 Dermal rat | ≥ 2000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Remarks on results: other: | | |
| Skin corrosion/irritation | : Causes skin irritation. | | |
| Serious eye damage/irritation | : Causes serious eye damage. | | |
| Respiratory or skin sensitization | : Not classified | | |
| Germ cell mutagenicity | : Not classified | | |
| Carcinogenicity | : Not classified | | |
| Reproductive toxicity | : Not classified | | |
| STOT-single exposure | : Not classified | | |
| STOT-repeated exposure | : May cause damage to organs through prolonged or repeated exposure. | | |
| Benzenesulfonic acid, C10-16-alkyl derive | s. (68584-22-5) | | |
| NOAEL (oral,rat,90 days) | 500 mg/kg body weight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents) | | |
| NOAEL (dermal,rat/rabbit,90 days) | > 1000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study) | | |
| Polyethyleneglycolmonoalkylethersulpha | ite, salts (68891-38-3) | | |
| LOAEL (oral,rat,90 days) | 25 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents), Remarks on results: other: | | |
| NOAEL (oral,rat,90 days) | > 225 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Da Oral Toxicity Study in Rodents), Remarks on results: other: | | |
| STOT-repeated exposure | May cause damage to organs through prolonged or repeated exposure. | | |
| Aspiration hazard | : Not classified | | |
| Viscosity, kinematic | : N/A | | |
| Likely routes of exposure | : Skin and eye contact. Ingestion. | | |
| Symptoms/effects | : Causes damage to organs. | | |
| Symptoms/effects after skin contact | : Causes skin irritation. | | |
| Symptoms/effects after eye contact | : Causes serious eye damage. | | |

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general

: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

| Polyethyleneglycolmonoalkylethersulphate, salts (68891-38-3) | | |
|--------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|--|
| LC50 fish 1 | 7.1 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) | |
| EC50 crustacea | 7.4 mg/l Test organisms (species): Daphnia magna | |
| NOEC (chronic) | 0.27 mg/l Test organisms (species): Daphnia magna Duration: '21 d' | |
| NOEC chronic fish | 0.14 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '28 d' | |
| NOEC chronic crustacea | 0.27 mg/l | |
| NOEC chronic algae | 0.95 mg/l | |

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| 12.2. Persistence and degradability | |
|------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ULTIMATE WASH | |
| Persistence and degradability | Not established. |
| 12.3. Bioaccumulative potential | |
| ULTIMATE WASH | |
| Bioaccumulative potential | Not established. |
| 12.4. Mobility in soil | |
| No additional information available | |
| 12.5. Other adverse effects | |
| Other information | : Avoid release to the environment. |
| SECTION 13: Disposal considerations | |
| 13.1. Disposal methods | |
| Waste treatment methods Waste disposal recommendations Ecology - waste materials | Dispose of contents/container in accordance with licensed collector's sorting instructions. Dispose in a safe manner in accordance with local/national regulations. Avoid release to the environment. |
| SECTION 14: Transport information | |
| In accordance with DOT / TDG / IMDG / IATA | |
| 14.1. UN number | |
| Not regulated for transport | |
| 14.2. UN proper shipping name | |
| Proper Shipping Name (DOT) Proper Shipping Name (TDG) Proper Shipping Name (IMDG) Proper Shipping Name (IATA) | Not applicable Not applicable Not applicable Not applicable |
| 14.3. Transport hazard class(es) | |
| DOT Transport hazard class(es) (DOT) | : Not applicable |
| TDG Transport hazard class(es) (TDG) | : Not applicable |
| IMDG Transport hazard class(es) (IMDG) | : Not applicable |
| IATA Transport hazard class(es) (IATA) | : Not applicable |
| 14.4. Packing group | |
| Packing group (DOT) Packing group (TDG) Packing group (IMDG) Packing group (IATA) | Not applicable Not applicable Not applicable Not applicable |

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14.5. Environmental hazards

Other information

: No supplementary information available.

14.6. Special precautions for user

DOT

No data available

TDG

No data available

IMDG

No data available

IATA

No data available

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

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

| Name | CAS-No. | Listing | Commercial status | Flags |
|-------------------------------------------------|------------|---------|-------------------|-------|
| Benzenesulfonic acid, C10-16-alkyl derivs. | 68584-22-5 | Present | Active | |
| Sodium hydroxide | 1310-73-2 | Present | Active | |
| Polyethyleneglycolmonoalkylethersulphate, salts | 68891-38-3 | Present | Active | XU |

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis 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.

| Sodium hydroxide (1310-73-2) | |
|------------------------------|---------|
| CERCLA RQ | 1000 lb |

15.2. International regulations

CANADA

| Benzenesulfonic acid, C10-16-alkyl derivs. (68584-22-5) | |
|---------------------------------------------------------|--|
| Listed on the Canadian DSL (Domestic Substances List) | |
| | |

Sodium hydroxide (1310-73-2)

Listed on the Canadian DSL (Domestic Substances List)

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Polyethyleneglycolmonoalkylethersulphate, salts (68891-38-3)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

Polyethyleneglycolmonoalkylethersulphate, salts (68891-38-3)

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

National regulations

Sodium hydroxide (1310-73-2)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on the Chinese Catalog of Hazardous Chemicals. Listed on KECL/KECI (Korean Existing Chemicals Inventory) Listed on the TCSI (Taiwan Chemical Substance Inventory) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)

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

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Polyethyleneglycolmonoalkylethersulphate, salts (68891-38-3)

Listed on KECI (Korean Existing Chemicals Inventory)

Listed on the TCSI (Taiwan Chemical Substance Inventory)

Listed on NZIoC (New Zealand Inventory of Chemicals)

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

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)

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

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Règlement sur les produits dangereux (RPD) Revision date : 08/28/2023 Data sources : ACGIH (American Conference of Government Industrial Hygienists). European Chemicals Agency (ECHA) C&L Inventory database. Accessed at http://echa.europa.eu/web/quest/information-on-chemicals/cl-inventory-database. Component Supplier SDSs. Krister Forsberg and S.Z. Mansdorf, "Quick Selection Guide to Chemical Protective Clothing", Fifth Edition. National Fire Protection Association. Fire Protection Guide to Hazardous Materials; 10th edition. OSHA 29CFR 1910.1200 Hazard Communication Standard. TSCA Chemical Substance Inventory. Accessed at http://www.epa.gov/oppt/existingchemicals/pubs/tscainventory/howto.html. Australia Worksafe "Preparation of Safety Data Sheets for Hazardous Chemicals". Canadian Centre for Occupational Health and Safety. Accessed at: http://www.ccohs.ca/oshanswers/legisl/whmis classifi.html. Other information : None.

| Full text of H-phrases | |
|------------------------|-----------------------------------------|
| H290 | May be corrosive to metals |
| H314 | Causes severe skin burns and eye damage |
| H315 | Causes skin irritation |

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| Full text of H-phrases | |
|------------------------|-------------------------------------------------------------------|
| H318 | Causes serious eye damage |
| H319 | Causes serious eye irritation |
| H373 | May cause damage to organs through prolonged or repeated exposure |
| H412 | Harmful to aquatic life with long lasting effects |

Abbreviations and acronyms

| | ACGIH - American Conference of Governmental Industrial Hygienists; ADR/RID - European Agreement Concerning the International Carriage of Dangerous Goods by Road/Rail; AIHA - American Industrial Hygiene Association; CAS# - Chemical Abstract Services Number; CLP - Classification, Labelling, and Packaging of Substances and Mixtures; DNEL - Derived No Effect Level; DOT - Department of Transportation; EINECS - European Inventory of New and Existing Chemical Substances; ELINCS - European List of Notified Chemical Substances; EU - European Union; GHS - Globally Harmonized System of Classification and Labeling of Chemicals; IARC - International Agency for Research on Cancer; IDLH - Immediately Dangerous to Life or Health; IATA - International Air Transport Association; IMDG - International Maritime Dangerous Goods; LOEL - Lowest Observed Effect Level; LOAEL - Lowest Observed Adverse Effect Level; NIOSH - The National Institute for Occupational Safety and Health; NOEL - No Observed Effect Level; NOAEL - No Observed Adverse Effect Level; NTP - National Toxicology Program; OEL - Occupational Exposure Limit; OSHA - Occupational Safety and Health Administration; PBT - Persistent, Bioaccumulative, and Toxic; PNEC - Predicted No Effect Concentration; SARA - Superfund Amendments and Reauthorization Act; STOT - Specific Target Organ Toxicity; STEL - Short Term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System | | | |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| 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 | | | |
| ΙΑΤΑ | 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 | | | |

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| Abbreviations and acronyms | | | | |
|----------------------------|------------------------------------------------------------------------------|--|--|--|
| NOEC | No-Observed Effect Concentration | | | |
| 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 | | | |

| Indication of changes: | | | | | |
|------------------------|------------------------|--------|-------------------------------|--|--|
| Section | Changed item | Change | Comments | | |
| | Additional information | Added | Added jurisidiction - Canada. | | |

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.