

# **Toro 5W-30 Snowthrower Oil**

# The Toro Company

Chemwatch: **78-3331** Version No: **2.1.1.1** 

Safety Data Sheet according to OSHA HazCom Standard (2012) requirements

### Chemwatch Hazard Alert Code: 1

Issue Date: **04/04/2017**Print Date: **05/10/2018**S.GHS.USA.EN

# **SECTION 1 IDENTIFICATION**

# **Product Identifier**

| Product name                  | Toro 5W-30 Snowthrower Oil |
|-------------------------------|----------------------------|
| Synonyms                      | Not Available              |
| Other means of identification | Not Available              |

# Recommended use of the chemical and restrictions on use

| Relevant identified uses |
|--------------------------|
|--------------------------|

Engine oil.

# Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

| Registered company name | The Toro Company  |
|-------------------------|---|
| Address                 | 8111 Lyndale Avenue South, Bloomington MN 55420 United States |
| Telephone               | +1-952-888-8801   |
| Fax                     | +1-952-887-8258   |
| Website                 | www.toro.com  |
| Email                   | HealthAndSafety@toro.com                                      |

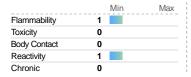
# **Emergency phone number**

| Association / Organisation        | CHEMTEL         |
|-----------------------------------|-----------------|
| Emergency telephone numbers       | 1-800-255-3924  |
| Other emergency telephone numbers | +1-813-248-0585 |

# **SECTION 2 HAZARD(S) IDENTIFICATION**

# Classification of the substance or mixture

# CHEMWATCH HAZARD RATINGS







Note: The hazard category numbers found in GHS classification in section 2 of this SDSs are NOT to be used to fill in the NFPA 704 diamond. Blue = Health Red = Fire Yellow = Reactivity White = Special (Oxidizer or water reactive substances)

| Classification      | Not Applicable |
|---------------------|----------------|
| Label elements      |                |
| Hazard pictogram(s) | Not Applicable |
|                     |                |
| SIGNAL WORD         | NOT APPLICABLE |

# Hazard statement(s)

Not Applicable

# Hazard(s) not otherwise specified

Not Applicable

# Precautionary statement(s) Prevention

Not Applicable

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# Precautionary statement(s) Response

Not Applicable

# Precautionary statement(s) Storage

Not Applicable

# Precautionary statement(s) Disposal

Not Applicable

# **SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS**

### Substances

See section below for composition of Mixtures

# Mixtures

| CAS No        | %[weight] | Name        |  |  |
|---------------|-----------|-------------|--|--|
| Not Available | >60       | mineral oil |  |  |

# **SECTION 4 FIRST-AID MEASURES**

## Description of first aid measures

| Eye Contact  | If this product comes in contact with eyes:  ► Wash out immediately with water.  ► If irritation continues, seek medical attention.  ► Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.  |
|--------------|---|
| Skin Contact | If skin or hair contact occurs:  ► Flush skin and hair with running water (and soap if available).  ► Seek medical attention in event of irritation.  |
| Inhalation   | <ul> <li>If fumes, aerosols or combustion products are inhaled remove from contaminated area.</li> <li>Other measures are usually unnecessary.</li> </ul>   |
| Ingestion    | <ul> <li>If swallowed do NOT induce vomiting.</li> <li>If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.</li> <li>Observe the patient carefully.</li> <li>Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious.</li> <li>Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink.</li> <li>Seek medical advice.</li> </ul> |

# Most important symptoms and effects, both acute and delayed

See Section 11

# Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

- Heavy and persistent skin contamination over many years may lead to dysplastic changes. Pre-existing skin disorders may be aggravated by exposure to this product.
- ▶ In general, emesis induction is unnecessary with high viscosity, low volatility products, i.e. most oils and greases.
- ► High pressure accidental injection through the skin should be assessed for possible incision, irrigation and/or debridement.

NOTE: Injuries may not seem serious at first, but within a few hours tissue may become swollen, discoloured and extremely painful with extensive subcutaneous necrosis. Product may be forced through considerable distances along tissue planes.

# **SECTION 5 FIRE-FIGHTING MEASURES**

# **Extinguishing media**

- ▶ Dry chemical powder.
- ▶ BCF (where regulations permit).
- Carbon dioxide.
- Water spray or fog Large fires only.

# Special hazards arising from the substrate or mixture

Fire Incompatibility ► Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result

| Special protective equipment and precautions for fire-fighters |  |  |  |
|--|--|--|--|
| Fire Fighting  | <ul> <li>Alert Fire Brigade and tell them location and nature of hazard.</li> <li>Wear full body protective clothing with breathing apparatus.</li> <li>Prevent, by any means available, spillage from entering drains or water course.</li> <li>Use water delivered as a fine spray to control fire and cool adjacent area.</li> <li>Avoid spraying water onto liquid pools.</li> <li>DO NOT approach containers suspected to be hot.</li> </ul>  |  |  |
| Fire/Explosion Hazard  | <ul> <li>▶ Combustible.</li> <li>▶ Slight fire hazard when exposed to heat or flame.</li> <li>▶ Heating may cause expansion or decomposition leading to violent rupture of containers.</li> <li>▶ On combustion, may emit toxic fumes of carbon monoxide (CO).</li> <li>▶ May emit acrid smoke.</li> <li>▶ Mists containing combustible materials may be explosive.</li> <li>Combustion products include:</li> <li>carbon dioxide (CO2)</li> </ul> |  |  |

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sulfur oxides (SOx)

other pyrolysis products typical of burning organic material.

May emit poisonous fumes

CARE: Water in contact with hot liquid may cause foaming and a steam explosion with wide scattering of hot oil and possible severe burns. Foaming may cause overflow of containers and may result in possible fire.

# **SECTION 6 ACCIDENTAL RELEASE MEASURES**

# Personal precautions, protective equipment and emergency procedures

See section 8

# **Environmental precautions**

See section 12

# Methods and material for containment and cleaning up

| Minor Spills | Slippery when spilt.  Remove all ignition sources.  Clean up all spills immediately.  Avoid breathing vapours and contact with skin and eyes.  Control personal contact with the substance, by using protective equipment.  Contain and absorb spill with sand, earth, inert material or vermiculite.  Wipe up.                     |
|--------------|---|
| Major Spills | Slippery when spilt.  Moderate hazard.  Clear area of personnel and move upwind.  Alert Fire Brigade and tell them location and nature of hazard.  Wear breathing apparatus plus protective gloves.  Prevent, by any means available, spillage from entering drains or water course.  No smoking, naked lights or ignition sources. |

Personal Protective Equipment advice is contained in Section 8 of the SDS.

# **SECTION 7 HANDLING AND STORAGE**

# Precautions for safe handling

| Safe handling     | <ul> <li>Avoid all personal contact, including inhalation.</li> <li>Wear protective clothing when risk of exposure occurs.</li> <li>Use in a well-ventilated area.</li> <li>Prevent concentration in hollows and sumps.</li> <li>DO NOT enter confined spaces until atmosphere has been checked.</li> <li>DO NOT allow material to contact humans, exposed food or food utensils.</li> </ul> |
|-------------------|--|
| Other information | <ul> <li>Store in original containers.</li> <li>Keep containers securely sealed.</li> <li>No smoking, naked lights or ignition sources.</li> <li>Store in a cool, dry, well-ventilated area.</li> <li>Store away from incompatible materials and foodstuff containers.</li> <li>Protect containers against physical damage and check regularly for leaks.</li> </ul>                         |

# Conditions for safe storage, including any incompatibilities

| Suitable container      | <ul> <li>Metal can or drum</li> <li>Packaging as recommended by manufacturer.</li> <li>Check all containers are clearly labelled and free from leaks.</li> </ul>   |
|-------------------------|--|
| Storage incompatibility | <ul> <li>CARE: Water in contact with heated material may cause foaming or a steam explosion with possible severe burns from wide scattering of hot material.</li> <li>Resultant overflow of containers may result in fire.</li> <li>Avoid reaction with oxidising agents</li> <li>Avoid strong acids, acid chlorides, acid anhydrides and chloroformates.</li> </ul> |

# **SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

# **Control parameters**

# OCCUPATIONAL EXPOSURE LIMITS (OEL)

# INGREDIENT DATA

| Source   | Ingredient  | Material name   | TWA        | STEL             | Peak             | Notes               |
|--|-------------|---|------------|------------------|------------------|---------------------|
| US NIOSH Recommended<br>Exposure Limits (RELs)           | mineral oil | Heavy mineral oil mist, Paraffin oil mist, White mineral oil mist               | 5<br>mg/m3 | 10 mg/m3         | Not<br>Available | Not Available       |
| US ACGIH Threshold Limit Values (TLV)                    | mineral oil | Mineral oil, excluding metal working fluids - Pure, highly and severely refined | 5<br>mg/m3 | Not<br>Available | Not<br>Available | TLV® Basis: URT irr |
| US OSHA Permissible Exposure<br>Levels (PELs) - Table Z1 | mineral oil | Oil mist, mineral   | 5<br>mg/m3 | Not<br>Available | Not<br>Available | Not Available       |

# **EMERGENCY LIMITS**

| Ingredient                 | Material name | TEEL-1        | TEEL-2        | TEEL-3        |
|----------------------------|---------------|---------------|---------------|---------------|
| Toro 5W-30 Snowthrower Oil | Not Available | Not Available | Not Available | Not Available |

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| Ingredient  | Original IDLH | Revised IDLH  |
|-------------|---------------|---------------|
| mineral oil | 2,500 mg/m3   | Not Available |

# **Exposure controls**

# Appropriate engineering controls

Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection.

The basic types of engineering controls are:

Process controls which involve changing the way a job activity or process is done to reduce the risk.

Enclosure and/or isolation of emission source which keeps a selected hazard "physically" away from the worker and ventilation that strategically "adds" and "removes" air in the work environment. Ventilation can remove or dilute an air contaminant if designed properly. The design of a ventilation system must match the particular process and chemical or contaminant in use.

## Personal protection









# Eye and face protection

- Safety glasses with side shields
- ▶ Chemical goggles
- Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lenses or restrictions on use, should be created for each workplace or task. This should include a review of lens absorption and adsorption for the class of chemicals in use and an account of injury experience. Medical and first-aid personnel should be trained in their removal and suitable equipment should be readily available. In the event of chemical exposure, begin eye irrigation immediately and remove contact lens as soon as practicable.

## Skin protection

See Hand protection below

# Hands/feet protection

The selection of suitable gloves does not only depend on the material, but also on further marks of quality which vary from manufacturer to manufacturer. Where the chemical is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

The exact break through time for substances has to be obtained from the manufacturer of the protective gloves and has to be observed when making a final

The exact preak through time for substances has to be obtained from the manufacturer of the protective gloves and has to be observed when making a line choice.

Personal hygiene is a key element of effective hand care. Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly.

- Wear chemical protective gloves, e.g. PVC.
  - ▶ Wear safety footwear or safety gumboots, e.g. Rubber

## Body protection

See Other protection below

# Other protection

- Overalls.P.V.C. apron.
- Barrier cream.
- Skin cleansing cream.
- ► Eye wash unit.

# Respiratory protection

Type A Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88 or national equivalent)

Where the concentration of gas/particulates in the breathing zone, approaches or exceeds the "Exposure Standard" (or ES), respiratory protection is required. Degree of protection varies with both face-piece and Class of filter; the nature of protection varies with Type of filter.

| Required Minimum Protection Factor | Half-Face Respirator | Full-Face Respirator | Powered Air Respirator |
|------------------------------------|----------------------|----------------------|------------------------|
| up to 10 x ES                      | A-AUS                | -                    | A-PAPR-AUS / Class 1   |
| up to 50 x ES                      | -                    | A-AUS / Class 1      | -                      |
| up to 100 x ES                     | -                    | A-2                  | A-PAPR-2 ^             |

# ^ - Full-face

A(All classes) = Organic vapours, B AUS or B1 = Acid gasses, B2 = Acid gas or hydrogen cyanide(HCN), B3 = Acid gas or hydrogen cyanide(HCN), E = Sulfur dioxide(SO2), G = Agricultural chemicals, K = Ammonia(NH3), Hg = Mercury, NO = Oxides of nitrogen, MB = Methyl bromide, AX = Low boiling point organic compounds(below 65 degC)

- Cartridge respirators should never be used for emergency ingress or in areas of unknown vapour concentrations or oxygen content.
- The wearer must be warned to leave the contaminated area immediately on detecting any odours through the respirator. The odour may indicate that the mask is not functioning properly, that the vapour concentration is too high, or that the mask is not properly fitted. Because of these limitations, only restricted use of cartridge respirators is considered appropriate.
- Cartridge performance is affected by humidity. Cartridges should be changed after 2 hr of continuous use unless it is determined that the humidity is less than 75%, in which case, cartridges can be used for 4 hr. Used cartridges should be discarded daily, regardless of the length of time used

# **SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

# Information on basic physical and chemical properties

| • •  |   |   |                |  |
|--|---|---|----------------|--|
| Appearance                                   | Amber to brown liquid with mild hydrocarbon odour; does not mix with water; miscible in petroleum solvents. |   |                |  |
| Physical state                               | Liquid Relative density (Water = 1) Not Available   |   |                |  |
| Odour  | Not Available   | Partition coefficient n-octanol / water | Not Available  |  |
| Odour threshold                              | Not Available   | Auto-ignition temperature (°C)          | Not Available  |  |
| pH (as supplied)                             | Not Available   | Decomposition temperature               | Not Available  |  |
| Melting point / freezing point (°C)          | Not Available   | Viscosity (cSt)                         | 61.9 @ 40C     |  |
| Initial boiling point and boiling range (°C) | Not Available   | Molecular weight (g/mol)                | Not Applicable |  |
| Flash point (°C)                             | >200 (COC)  | Taste                                   | Not Available  |  |

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| Evaporation rate          | Not Available  | Explosive properties             | Not Available |
|---------------------------|----------------|----------------------------------|---------------|
| Flammability              | Not Applicable | Oxidising properties             | Not Available |
| Upper Explosive Limit (%) | Not Available  | Surface Tension (dyn/cm or mN/m) | Not Available |
| Lower Explosive Limit (%) | Not Available  | Volatile Component (%vol)        | Not Available |
| Vapour pressure (kPa)     | Not Available  | Gas group                        | Not Available |
| Solubility in water (g/L) | Immiscible     | pH as a solution (1%)            | Not Available |
| Vapour density (Air = 1)  | Not Available  | VOC g/L                          | Not Available |

# **SECTION 10 STABILITY AND REACTIVITY**

| Reactivity                         | See section 7  |
|------------------------------------|--|
| Chemical stability                 | <ul> <li>Unstable in the presence of incompatible materials.</li> <li>Product is considered stable.</li> <li>Hazardous polymerisation will not occur.</li> </ul> |
| Possibility of hazardous reactions | See section 7  |
| Conditions to avoid                | See section 7  |
| Incompatible materials             | See section 7  |
| Hazardous decomposition products   | See section 5  |

# **SECTION 11 TOXICOLOGICAL INFORMATION**

| Information | on | toxicolog | aical | effects |
|-------------|----|-----------|-------|---------|
|             |    |           |       |         |

| Inhaled      | Nevertheless, good hygiene practice requires<br>Inhalation hazard is increased at higher temp<br>Not normally a hazard due to non-volatile nat     |   |
|--------------|--|---|
| Ingestion    |  | narmful effects (as classified under EC Directives), the material may still be damaging to the health of the re pre-existing organ (e.g. liver, kidney) damage is evident.                                  |
| Skin Contact | material is unlikely to produce an irritant derr<br>Open cuts, abraded or irritated skin should no<br>The material may accentuate any pre-existing | t be exposed to this material dermatitis condition ple, cuts, abrasions or lesions, may produce systemic injury with harmful effects. Examine the skin prior to the   |
| Eye          | Although the liquid is not thought to be an irri<br>characterised by tearing or conjunctival redno   | ant (as classified by EC Directives), direct contact with the eye may produce transient discomfort ess (as with windburn).  |
| Chronic      |  | nay occur and may cause some concern following repeated or long-term occupational exposure. ed exposure can lead to eczema, inflammation of hair follicles, pigmentation of the face and warts on the soles |
|              | TOXICITY   | IRRITATION  |

|                              | 6. 1.0.1001  |  |
|------------------------------|--|--|
|                              |  |  |
|                              | TOXICITY   | IRRITATION   |
| Tana FW 20 Cu and harman Oil | Dermal (None) LD50: >5000 mg/kg* <sup>[2]</sup>                        | Not Available  |
| Toro 5W-30 Snowthrower Oil   | Inhalation (None) LC50: >20 mg/l* <sup>[2]</sup>                       |  |
|                              | Oral (None) LD50: >5000 mg/kg* <sup>[2]</sup>                          |  |
| minoral ail                  | TOXICITY   | IRRITATION   |
| mineral oil                  | Not Available  | Not Available  |
|                              |  |  |
| Legend:                      | Value obtained from Europe ECHA Registered Substances - Acute toxicity | 2.* Value obtained from manufacturer's SDS. Unless otherwise specified |

data extracted from RTECS - Register of Toxic Effect of chemical Substances

# MINERAL OIL

Toxicity and Irritation data for petroleum-based mineral oils are related to chemical components and vary as does the composition and source of the original

A small but definite risk of occupational skin cancer occurs in workers exposed to persistent skin contamination by oils over a period of years. This risk has been attributed to the presence of certain polycyclic aromatic hydrocarbons (PAH) (typified by benz[a]pyrene).

Petroleum oils which are solvent refined/extracted or severely hydrotreated, contain very low concentrations of both.

| Acute Toxicity                    | × | Carcinogenicity          | 0 |
|-----------------------------------|---|--------------------------|---|
| Skin Irritation/Corrosion         | 0 | Reproductivity           | 0 |
| Serious Eye Damage/Irritation     | 0 | STOT - Single Exposure   | 0 |
| Respiratory or Skin sensitisation | 0 | STOT - Repeated Exposure | 0 |
| Mutagenicity                      | 0 | Aspiration Hazard        | 0 |

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- Data available to make classification Data Not Available to make classification

# **SECTION 12 ECOLOGICAL INFORMATION**

## Toxicity

|                            | ENDPOINT         | TEST DURATION (HR) | SPECIES       | VALUE SOURCE                   |
|----------------------------|------------------|--------------------|---------------|--------------------------------|
| Toro 5W-30 Snowthrower Oil | Not<br>Available | Not Available      | Not Available | Not Not<br>Available Available |
|                            | ENDPOINT         | TEST DURATION (HR) | SPECIES       | VALUE SOURCE                   |
| mineral oil                | Not<br>Available | Not Available      | Not Available | Not Not<br>Available Available |

(QSAR) - Aquatic Toxicity Data (Estimated) 4. US EPA, Ecotox database - Aquatic Toxicity Data 5. ECETOC Aquatic Hazard Assessment Data 6. NITE (Japan) - Bioconcentration Data 7. METI (Japan) - Bioconcentration Data 8. Vendor Data

DO NOT discharge into sewer or waterways

# Persistence and degradability

| Ingredient | Persistence: Water/Soil               | Persistence: Air                      |
|------------|---------------------------------------|---------------------------------------|
|            | No Data available for all ingredients | No Data available for all ingredients |

# **Bioaccumulative potential**

| Ingredient | Bioaccumulation                       |
|------------|---------------------------------------|
|            | No Data available for all ingredients |

# Mobility in soil

| Ingredient | Mobility                              |
|------------|---------------------------------------|
|            | No Data available for all ingredients |

# **SECTION 13 DISPOSAL CONSIDERATIONS**

# Waste treatment methods

Legislation addressing waste disposal requirements may differ by country, state and/ or territory. Each user must refer to laws operating in their area. In some areas, certain wastes must be tracked.

A Hierarchy of Controls seems to be common - the user should investigate:

- ▶ Reduction
- ▶ Reuse
- Recycling
- ► Disposal (if all else fails)

# Product / Packaging disposal

This material may be recycled if unused, or if it has not been contaminated so as to make it unsuitable for its intended use. If it has been contaminated, it may be possible to reclaim the product by filtration, distillation or some other means. Shelf life considerations should also be applied in making decisions of this type.

- DO NOT allow wash water from cleaning or process equipment to enter drains.
- It may be necessary to collect all wash water for treatment before disposal.
- In all cases disposal to sewer may be subject to local laws and regulations and these should be considered first.
- ▶ Where in doubt contact the responsible authority.
- Recycle wherever possible or consult manufacturer for recycling options.
- Consult State Land Waste Authority for disposal.
- Bury or incinerate residue at an approved site.
- ▶ Recycle containers if possible, or dispose of in an authorised landfill.

# **SECTION 14 TRANSPORT INFORMATION**

# Labels Required

Marine Pollutant NO

Land transport (DOT): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Transport in bulk according to Annex II of MARPOL and the IBC code

Not Applicable

# **SECTION 15 REGULATORY INFORMATION**

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## Toro 5W-30 Snowthrower Oil

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

#### MINERAL OIL(NOT AVAILABLE) IS FOUND ON THE FOLLOWING REGULATORY LISTS International Agency for Research on Cancer (IARC) - Agents Classified by the IARC US - Tennessee Occupational Exposure Limits - Limits For Air Contaminants Monographs US - Vermont Permissible Exposure Limits Table Z-1-A Final Rule Limits for Air Contaminants US - Alaska Limits for Air Contaminants US - Vermont Permissible Exposure Limits Table Z-1-A Transitional Limits for Air US - California Permissible Exposure Limits for Chemical Contaminants Contaminants US - Hawaii Air Contaminant Limits US - Washington Permissible exposure limits of air contaminants US - Idaho - Limits for Air Contaminants US - Wyoming Toxic and Hazardous Substances Table Z1 Limits for Air Contaminants US ACGIH Threshold Limit Values (TLV) US - Michigan Exposure Limits for Air Contaminants US ACGIH Threshold Limit Values (TLV) - Carcinogens US - Minnesota Permissible Exposure Limits (PELs) US - Oregon Permissible Exposure Limits (Z-1) US NIOSH Recommended Exposure Limits (RELs) US - Pennsylvania - Hazardous Substance List US OSHA Permissible Exposure Levels (PELs) - Table Z1

# **Federal Regulations**

# Superfund Amendments and Reauthorization Act of 1986 (SARA)

# SECTION 311/312 HAZARD CATEGORIES

| Flammable (Gases, Aerosols, Liquids, or Solids)              | No |
|--|----|
| Gas under pressure   | No |
| Explosive  | No |
| Self-heating Self-heating                                    | No |
| Pyrophoric (Liquid or Solid)                                 | No |
| Pyrophoric Gas   | No |
| Corrosive to metal   | No |
| Oxidizer (Liquid, Solid or Gas)                              | No |
| Organic Peroxide   | No |
| Self-reactive  | No |
| In contact with water emits flammable gas                    | No |
| Combustible Dust   | No |
| Carcinogenicity  | No |
| Acute toxicity (any route of exposure)                       | No |
| Reproductive toxicity  | No |
| Skin Corrosion or Irritation                                 | No |
| Respiratory or Skin Sensitization                            | No |
| Serious eye damage or eye irritation                         | No |
| Specific target organ toxicity (single or repeated exposure) |    |
| Aspiration Hazard  |    |
| Germ cell mutagenicity                                       |    |
| Simple Asphyxiant  |    |

# US. EPA CERCLA HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES (40 CFR 302.4)

None Reported

# State Regulations

# US. CALIFORNIA PROPOSITION 65

None Reported

# **National Inventory Status**

| National Inventory            | Status  |
|-------------------------------|---|
| Australia - AICS              | N (mineral oil)   |
| Canada - DSL                  | N (mineral oil)   |
| Canada - NDSL                 | N (mineral oil)   |
| China - IECSC                 | N (mineral oil)   |
| Europe - EINEC / ELINCS / NLP | N (mineral oil)   |
| Japan - ENCS                  | N (mineral oil)   |
| Korea - KECI                  | N (mineral oil)   |
| New Zealand - NZIoC           | N (mineral oil)   |
| Philippines - PICCS           | N (mineral oil)   |
| USA - TSCA                    | N (mineral oil)   |
| Legend:                       | Y = All ingredients are on the inventory N = Not determined or one or more ingredients are not on the inventory and are not exempt from listing(see specific ingredients in brackets) |

# **SECTION 16 OTHER INFORMATION**

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| Revision Date | 04/04/2017    |
|---------------|---------------|
| Initial Date  | Not Available |

## Other information

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

# **Definitions and abbreviations**

PC-TWA: Permissible Concentration-Time Weighted Average

PC-STEL: Permissible Concentration-Short Term Exposure Limit

IARC: International Agency for Research on Cancer

ACGIH: American Conference of Governmental Industrial Hygienists

STEL: Short Term Exposure Limit

TEEL: Temporary Emergency Exposure Limit.

IDLH: Immediately Dangerous to Life or Health Concentrations

OSF: Odour Safety Factor

NOAEL :No Observed Adverse Effect Level

LOAEL: Lowest Observed Adverse Effect Level

TLV: Threshold Limit Value

LOD: Limit Of Detection

OTV: Odour Threshold Value

BCF: BioConcentration Factors

BEI: Biological Exposure Index

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