

Safety Data Sheet

according to the Hazardous Substances and New Organisms Act (1996)

Issue date: 23/09/2022 Revision date: 11/10/2022 Supersedes: 23/09/2022 Version: 1.1

SECTION 1: Identification**1.1 Product identifier**Trade name : SURTAC® 2000 XD
Product form : Mixture**1.2 Other means of identification**

No additional information available

1.3 Recommended use of the chemical and restrictions on use

Recommended use : Lubricants, Greases and Release Products

1.4 Details of manufacturer or importer**Manufacturer**Whitmore
930 Whitmore Drive
Rockwall, Texas 75087
USA
T 1.972.771.1000
Regulatory@whitmores.com - www.whitmores.com**Distributor**Industrial Lubricants & Services Limited
P.O. Box 259 347
Botany, Manukau 2163 Auckland
New Zealand
T 0800 10 40 11 - F 0800 10 40 15
orders@ils.co.nz - www.ils.co.nz**1.5. Emergency phone number**Emergency number : For Chemical Emergency Call CHEMTREC 24hr/day 7days/week
Within USA and Canada: 1.800.424.9300
Outside USA and Canada: +1.703.527.3887
(collect calls accepted)

| Country | Organisation/Company | Address | Emergency number | Comment |
|-------------|---|-----------------------------|---|---------|
| New Zealand | Chemtrec - New Zealand | Auckland | Local (City) +64 9-801 0034 | |
| New Zealand | Chemtrec - New Zealand | | Toll Free 0800 425 459 | |
| New Zealand | New Zealand National Poison Centre Dunedin School of Medicine, University of Otago | P.O. Box 56 9054 Dunedin | 0800 764 766 ILS Technical Helpline 0800 10 40 17 | |

SECTION 2: Hazard identification**2.1. Classification of the hazardous chemical****Classification according to the Environmental Protection Authority notices (EPA Hazardous Substances and New Organisms Act 1996)**

Hazardous to the aquatic environment – Chronic Hazard, Category 2 H411

2.2. GHS Label elements, including precautionary statements**GHS NZ labelling**

Hazard pictograms (GHS NZ) :

Hazard statements (GHS NZ) : H411 - Toxic to aquatic life with long lasting effects
Prevention : P273 - Avoid release to the environment.
Response : P391 - Collect spillage.
Disposal : 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

SURTAC® 2000 XD

Safety Data Sheet

according to the Hazardous Substances and New Organisms Act (1996)

SECTION 3: Composition and information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | Classification according to GHS NZ |
|--|---------------------|-----------|--|
| graphite | CAS-No.: 7782-42-5 | ≥ 10.5732 | Aquatic Acute 2, H401 Aquatic Chronic 2, H411 |
| Carbamodithioicacid,dibutyl-,methylenester | CAS-No.: 10254-57-6 | 7.43 | Aquatic Acute 1, H400 Aquatic Chronic 1, H410 |

SECTION 4: First-aid measures

4.1. Description of necessary 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. Symptoms caused by exposure

No additional information available

4.3. Medical attention and special treatment

Other medical advice or treatment : Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam.

5.2. Specific hazards arising from the chemical

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

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No additional information available

6.1.1. For non-emergency personnel

Emergency procedures : Exercise caution. Spill area may be slippery.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and materials for containment and cleaning up

Methods for cleaning up : Mechanically recover the product.

SURTAC® 2000 XD

Safety Data Sheet

according to the Hazardous Substances and New Organisms Act (1996)

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.
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

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

SECTION 8: Exposure controls and personal protection

8.1. Control parameters - exposure standards

graphite (7782-42-5)

New Zealand - Occupational Exposure Limits

| | |
|-----------------------|--|
| Local name | Graphite, all forms except graphite fibres |
| WES-TWA (OEL TWA) [1] | 3 mg/m ³ r (The value for respirable dust) |
| Regulatory reference | Workplace Exposure Standards and Biological Exposure Indices, 12th Edition |

Exposure limit values for the other components

No additional information available

8.2. Monitoring methods

No additional information available

8.3. Engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

8.4. Individual protection measures, such as personal protective equipment (PPE)

Hand protection : Neoprene or nitrile rubber gloves

| Type | Material | Permeation | Thickness (mm) | Penetration | Standard |
|-------------------|---|------------------|-----------------|-------------|----------|
| Disposable gloves | Nitrile rubber (NBR), Neoprene rubber (HNBR) | 2 (> 30 minutes) | 0.3 mm - 0.6 mm | | |

Eye protection : Wear eye protection
Skin and body protection : Wear suitable protective clothing
Respiratory protection : No respiratory protection needed under normal use conditions
Environmental exposure controls : Avoid release to the environment.

SECTION 9: Physical and chemical properties

Physical state : Solid
Appearance : Grease.
Colour : dark grey
Odour : petroleum-like odour
Odour threshold : No additional information available
pH : No additional information available
Evaporation rate : No additional information available
Relative evaporation rate (butylacetate=1) : No data available
Melting point / Freezing point : No additional information available
Boiling point : No data available
Flash point : > 110 °C Open cup
Auto-ignition temperature : No data available
Flammability : Non flammable.
Vapour pressure : No additional information available
Relative density : No additional information available
Density : No additional information available
Solubility : insoluble in water.
Partition coefficient n-octanol/water (Log Pow) : No data available
Viscosity, kinematic : 380 mm²/s @ 100°C

SURTAC® 2000 XD

Safety Data Sheet

according to the Hazardous Substances and New Organisms Act (1996)

| | |
|-------------------------|---------------------------------------|
| Viscosity, dynamic | : No data available |
| Explosive properties | : No data available |
| Explosive limits | : No additional information available |
| Minimum ignition energy | : No data available |
| VOC content | : < 0.1 % |

SECTION 10: Stability and reactivity

| | |
|------------------------------------|--|
| Reactivity | : The product is non-reactive under normal conditions of use, storage and transport. |
| Chemical stability | : Stable under normal conditions. |
| Possibility of hazardous reactions | : No dangerous reactions known under normal conditions of use. |
| Conditions to avoid | : None under recommended storage and handling conditions (see section 7). |
| Incompatible materials | : No additional information available |
| Hazardous decomposition products | : Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

SECTION 11: Toxicological information

11.1. Toxicity

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

| graphite (7782-42-5) | |
|-----------------------------------|--|
| LD50 oral rat | > 2000 mg/kg (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Female, Experimental value, Oral) |
| LC50 Inhalation - Rat | > 2000 mg/m ³ air (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value, Inhalation (dust)) |
| LC50 Inhalation - Rat (Dust/Mist) | > 2 mg/l Source: ECHA |

| Carbamodithioicacid,dibutyl-,methylenester (10254-57-6) | |
|---|--|
| LD50 oral rat | > 16000 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 401 (Acute Oral Toxicity) |
| LD50 dermal rabbit | > 2000 mg/kg bodyweight Animal: rabbit, Guideline: other:Section 1500.40-Federal Hazardous Substances Act Regulations-16 CFR-P. 123, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |

| | |
|-----------------------------------|------------------|
| Skin corrosion/irritation | : Not classified |
| Serious eye damage/irritation | : Not classified |
| Respiratory or skin sensitisation | : Not classified |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |
| Reproductive toxicity | : Not classified |
| STOT-single exposure | : Not classified |
| STOT-repeated exposure | : Not classified |

| graphite (7782-42-5) | |
|--|---|
| NOAEC (inhalation, rat, dust/mist/fume, 90 days) | 0.000279 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study) |

| Carbamodithioicacid,dibutyl-,methylenester (10254-57-6) | |
|---|---|
| LOAEL (oral, rat, 90 days) | 314 – 425.2 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test) |

| | |
|-------------------|------------------|
| Aspiration hazard | : Not classified |
|-------------------|------------------|

| SURTAC® 2000 XD | |
|----------------------|--------------------------------|
| Viscosity, kinematic | 380 mm ² /s @ 100°C |

| Carbamodithioicacid,dibutyl-,methylenester (10254-57-6) | |
|---|--|
| Viscosity, kinematic | 1383 mm ² /s Temp.: 'other:25.0°C' Parameter: 'kinematic viscosity (in mm ² /s)' |

SURTAC® 2000 XD

Safety Data Sheet

according to the Hazardous Substances and New Organisms Act (1996)

SECTION 12: Ecological information

12.1. Ecotoxicity

| | |
|---|--|
| Ecology - general | : Harmful to aquatic life with long lasting effects. The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. |
| Hazardous to the aquatic environment, short-term (acute) | : Not classified |
| Hazardous to the aquatic environment, long-term (chronic) | : Toxic to aquatic life with long lasting effects. |
| Soil toxicity | : Not classified |
| Terrestrial vertebrate toxicity | : Not classified |
| Terrestrial invertebrate toxicity | : Not classified |

| graphite (7782-42-5) | |
|----------------------|--|
| LC50 - Fish [1] | > 100 mg/l |
| EC50 - Crustacea [1] | > 100 mg/l |
| EC50 72h - Algae [1] | 19 mg/l |
| EC50 72h - Algae [2] | 7.2 mg/l |
| ErC50 algae | > 100 mg/l |
| NOEC (chronic) | 47 mg/l |
| LD50 oral rat | > 2000 mg/kg (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Female, Experimental value, Oral) |

| Carbamodithioicacid,dibutyl-,methylenester (10254-57-6) | |
|---|--|
| LC50 - Fish [1] | > 0.06 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) |
| EC50 - Crustacea [1] | > 0.052 mg/l Test organisms (species): Daphnia magna |
| EC50 72h - Algae [1] | > 0.0325 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |
| LD50 dermal rabbit | > 2000 mg/kg bodyweight Animal: rabbit, Guideline: other:Section 1500.40-Federal Hazardous Substances Act Regulations-16 CFR-P. 123, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |
| LD50 oral rat | > 16000 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 401 (Acute Oral Toxicity) |

12.2. Persistence and degradability

| SURTAC® 2000 XD | |
|-------------------------------|-------------------------------------|
| Persistence and degradability | No additional information available |

| graphite (7782-42-5) | |
|------------------------|--|
| Not rapidly degradable | |

| Carbamodithioicacid,dibutyl-,methylenester (10254-57-6) | |
|---|--|
| Not rapidly degradable | |

12.3. Bioaccumulative potential

| SURTAC® 2000 XD | |
|---------------------------|-------------------------------------|
| Bioaccumulative potential | No additional information available |

12.4. Mobility in soil

| SURTAC® 2000 XD | |
|------------------|-------------------------------------|
| Mobility in soil | No additional information available |

12.5. Other adverse effects

| | |
|-----------------------|---------------------------------------|
| Ozone | : Not classified |
| Other adverse effects | : No additional information available |

SURTAC® 2000 XD

Safety Data Sheet

according to the Hazardous Substances and New Organisms Act (1996)

SECTION 13: Disposal considerations

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

| IMDG | IATA | UNRTDG |
|---|---------------|---------------|
| 14.1. UN number | | |
| Not regulated for transport | | |
| 14.2. UN Proper Shipping Name | | |
| Not regulated | Not regulated | Not regulated |
| 14.3. Transport hazard class(es) | | |
| Not regulated | Not regulated | Not regulated |
| 14.4. Packing group | | |
| Not regulated | Not regulated | Not regulated |
| 14.5. Environmental hazards | | |
| Not regulated | Not regulated | Not regulated |
| No supplementary information available | | |

14.6. Special precautions for user

Transport by road and rail

No data available

Transport by sea

No data available

Air transport

No data available

14.7. Transport in bulk according to IMO instruments

Not applicable

14.8. Hazchem or Emergency Action Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations specific for the product in question

No additional information available

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Issue date : 23/09/2022
Revision date : 11/10/2022
Supersedes : 23/09/2022

| Full text of H-statements | |
|---------------------------|---|
| Aquatic Acute 1 | Hazardous to the aquatic environment – Acute Hazard, Category 1 |
| Aquatic Acute 2 | Hazardous to the aquatic environment – Acute Hazard, Category 2 |

SURTAC® 2000 XD

Safety Data Sheet

according to the Hazardous Substances and New Organisms Act (1996)

| Full text of H-statements | |
|---------------------------|---|
| Aquatic Chronic 1 | Hazardous to the aquatic environment – Chronic Hazard, Category 1 |
| Aquatic Chronic 2 | Hazardous to the aquatic environment – Chronic Hazard, Category 2 |
| H400 | Very toxic to aquatic life |
| H401 | Toxic to aquatic life |
| H410 | Very toxic to aquatic life with long lasting effects |
| H411 | Toxic to aquatic life with long lasting effects |

Safety Data Sheet (SDS), New Zealand

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.