



## SAFETY DATA SHEET ThreadMate II

According to Appendix D, OSHA Hazard Communication Standard 29 CFR §1910.1200

### 1. Identification

#### Product identifier

**Product name** ThreadMate II

#### Recommended use of the chemical and restrictions on use

**Application** Anti-Gall Thread Sealer.

**Uses advised against** Not to be used in oxygen services. Avoid contact with oxidizing agents.

#### Details of the supplier of the safety data sheet

**Supplier** Parker Hannifin  
11151 Cash Road  
Parflex Division  
Stafford TX 77477  
281-566-4500  
www.parker.com

**Manufacturer** T.S. Moly Lubricants, Inc.  
6205 Brookhill Drive #6,  
Houston, TX 77087  
www.tsmoly.com  
Phone: 713-671-2676  
Toll Free: 1-800-508-5545  
Fax: 713-671-9417  
info@tsmoly.com

#### Emergency telephone number

**Emergency telephone** INFOTRAC 1-800-535-5053 (US and Canada)  
INTERNATIONAL +1-352-323-3500

### 2. Hazard(s) identification

#### Classification of the substance or mixture

**OSHA Regulatory Status** This product is hazardous according to OSHA Hazard Communication Standard 29 CFR §1910.1200.

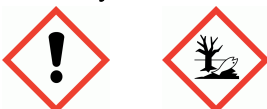
**Physical hazards** Not Classified

**Health hazards** Skin Irrit. 2 - H315 Eye Irrit. 2A - H319

**Environmental hazards** Aquatic Acute 2 - H401 Aquatic Chronic 2 - H411

#### Label elements

##### Hazard symbols



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<b>Signal word</b>	Warning
<b>Hazard statements</b>	H315 Causes skin irritation. H319 Causes serious eye irritation. H411 Toxic to aquatic life with long lasting effects.
<b>Precautionary statements</b>	P264 Wash contaminated skin thoroughly after handling. P273 Avoid release to the environment. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P302+P352 If on skin: Wash with plenty of water. P332+P313 If skin irritation occurs: Get medical advice/ attention. P362+P364 Take off contaminated clothing and wash it before reuse. P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/ attention. P391 Collect spillage. P501 Dispose of contents/ container in accordance with national regulations.
<b>Contains</b>	2,5-bis(octyldithio)-1,3,4-thiadiazole

### Other hazards

This product does not contain any substances classified as PBT or vPvB.

### 3. Composition/information on ingredients

#### Mixtures

<b>Proprietary</b> CAS number: Proprietary	<b>30-60%</b>
<b>Classification</b> Not Classified	
<b>Molybdenum, bis(dibutylcarbamodithioato)di-<math>\mu</math>-oxodioxodi-, sulfurized</b> CAS number: 68412-26-0	<b>10-30%</b>
<b>Classification</b> Combustible Dust - USH01	
<b>Phenol, isobutylenated, phosphate (3:1)</b> CAS number: 68937-40-6 M factor (Acute) = 1                      M factor (Chronic) = 1	<b>10-30%</b>
<b>Classification</b> Skin Irrit. 2 - H315 Eye Irrit. 2A - H319 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	

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<b>Proprietary</b>	<b>10-30%</b>
CAS number: Proprietary	
<b>Classification</b>	
Skin Sens. 1B - H317	
<b>Naphthenic acids, zinc salts</b>	<b>1-5%</b>
CAS number: 12001-85-3	
<b>Classification</b>	
Aquatic Chronic 3 - H412	
<b>Distillates (petroleum), solvent-dewaxed heavy paraffinic</b>	<b>1-5%</b>
CAS number: 64742-65-0	
<b>Classification</b>	
Not Classified	
<b>Paraffin oils (petroleum), catalytic dewaxed heavy</b>	<b>1-5%</b>
CAS number: 64742-70-7	
<b>Classification</b>	
Not Classified	
<b>Proprietary</b>	<b>1-5%</b>
CAS number: Proprietary	
<b>Classification</b>	
Not Classified	
<b>Proprietary</b>	<b>&lt;1%</b>
CAS number: Proprietary	
<b>Classification</b>	
Aquatic Chronic 4 - H413	
<b>Proprietary</b>	<b>&lt;0.1%</b>
CAS number: Proprietary	
<b>Classification</b>	
Skin Irrit. 2 - H315	
Eye Irrit. 2A - H319	
Skin Sens. 1 - H317	

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<b>Proprietary</b>	<b>&lt;0.1%</b>
CAS number: Proprietary	
<b>Classification</b>	
Skin Irrit. 2 - H315	
Skin Sens. 1 - H317	
Aquatic Chronic 2 - H411	

The full text for all hazard statements is displayed in Section 16.

**Composition comments**            The exact percentage withheld as a trade secret in accordance with 29 CFR 1910.1200

### 4. First-aid measures

#### Description of first aid measures

<b>General information</b>	Get medical attention immediately. Show this Safety Data Sheet to the medical personnel.
<b>Inhalation</b>	Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Maintain an open airway. Loosen tight clothing such as collar, tie or belt. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Place unconscious person on their side in the recovery position and ensure breathing can take place.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Remove any dentures. Do not induce vomiting unless under the direction of medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Place unconscious person on their side in the recovery position and ensure breathing can take place. Maintain an open airway. Loosen tight clothing such as collar, tie or belt.
<b>Skin Contact</b>	It is important to remove the substance from the skin immediately. Wash with plenty of soap and water. Get medical attention if symptoms are severe or persist after washing.
<b>Eye contact</b>	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 10 minutes. Get medical attention if symptoms are severe or persist after washing.
<b>Protection of first aiders</b>	First aid personnel should wear appropriate protective equipment during any rescue. Wash contaminated clothing thoroughly with water before removing it from the affected person, or wear gloves. It may be dangerous for first aid personnel to carry out mouth-to-mouth resuscitation.

#### Most important symptoms and effects, both acute and delayed

<b>General information</b>	See Section 11 for additional information on health hazards. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	Prolonged inhalation of high concentrations may damage respiratory system.
<b>Ingestion</b>	Gastrointestinal symptoms, including upset stomach. May cause irritation.
<b>Skin contact</b>	May cause an allergic skin reaction. Prolonged contact may cause dryness of the skin. Redness. Irritating to skin.
<b>Eye contact</b>	Irritating to eyes.

#### Indication of immediate medical attention and special treatment needed

<b>Notes for the doctor</b>	Treat symptomatically. In case of fire: Development of symptoms may be delayed for 24 to 48 hours. Keep affected person under observation.
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**Specific treatments** No special treatment required.

### 5. Fire-fighting measures

#### Extinguishing media

**Suitable extinguishing media** The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.

#### Special hazards arising from the substance or mixture

**Specific hazards** Containers can burst violently or explode when heated, due to excessive pressure build-up.

**Hazardous combustion products** Thermal decomposition or combustion products may include the following substances: Harmful gases or vapors. Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO).

#### Advice for firefighters

**Protective actions during firefighting** Avoid breathing fire gases or vapors. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapors and protect men stopping the leak. Avoid discharge to the aquatic environment. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Standard Firefighter's clothing including helmets, protective boots and gloves will provide a basic level of protection for chemical incidents.

### 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

**Personal precautions** No action shall be taken without appropriate training or involving any personal risk. Keep unnecessary and unprotected personnel away from the spillage. Wear protective clothing as described in Section 8 of this safety data sheet. Follow precautions for safe handling described in this safety data sheet. Wash thoroughly after dealing with a spillage. Ensure procedures and training for emergency decontamination and disposal are in place. Do not touch or walk into spilled material.

#### Environmental precautions

**Environmental precautions** Avoid discharge into drains or watercourses or onto the ground. Avoid discharge to the aquatic environment. Large Spillages: Inform the relevant authorities if environmental pollution occurs (sewers, waterways, soil or air).

#### Methods and material for containment and cleaning up

**Methods for cleaning up** Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Approach the spillage from upwind. Small Spillages: Absorb spillage with inert, damp, non-combustible material. Collect and place in suitable waste disposal containers and seal securely. Large Spillages: Contain and absorb spillage with sand, earth or other non-combustible material. Place waste in labeled, sealed containers. Clean contaminated objects and areas thoroughly, observing environmental regulations. The contaminated absorbent may pose the same hazard as the spilled material. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Dangerous for the environment. Do not empty into drains. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

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**Reference to other sections** For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

### 7. Handling and storage

#### Precautions for safe handling

**Usage precautions** Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimize spills. Keep container tightly sealed when not in use. Avoid the formation of mists. Avoid discharge to the aquatic environment. Do not handle until all safety precautions have been read and understood. Do not handle broken packages without protective equipment. Do not reuse empty containers.

**Advice on general occupational hygiene** Wash promptly if skin becomes contaminated. Take off contaminated clothing and wash before reuse. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Wash at the end of each work shift and before eating, smoking and using the toilet. Change work clothing daily before leaving workplace.

#### Conditions for safe storage, including any incompatibilities

**Storage precautions** Store in accordance with local regulations. Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage. The storage area floor should be leak-tight, jointless and not absorbent.

#### Specific end uses(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.

### 8. Exposure controls/Personal protection

**Ingredient comments** The constituents listed are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

#### Exposure controls

##### Protective equipment



##### Appropriate engineering controls

Provide adequate ventilation. Personal, workplace environment or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Use process enclosures, local exhaust ventilation or other engineering controls as the primary means to minimize worker exposure. Personal protective equipment should only be used if worker exposure cannot be controlled adequately by the engineering control measures. Ensure control measures are regularly inspected and maintained. Ensure operatives are trained to minimize exposure.

##### Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment for eye and face protection should comply with OSHA 1910.133. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses.

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<b>Hand protection</b>	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with OSHA 1910.138 and be demonstrated to be impervious to the chemical and resist degradation. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Frequent changes are recommended.
<b>Other skin and body protection</b>	Appropriate footwear and additional protective clothing complying with an approved standard should be worn if a risk assessment indicates skin contamination is possible.
<b>Hygiene measures</b>	Provide eyewash station and safety shower. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Clean equipment and the work area every day. Good personal hygiene procedures should be implemented. Wash at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke. Preventive industrial medical examinations should be carried out. Warn cleaning personnel of any hazardous properties of the product.
<b>Respiratory protection</b>	Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Ensure all respiratory protective equipment is suitable for its intended use and is NIOSH approved. Check that the respirator fits tightly and the filter is changed regularly.
<b>Environmental exposure controls</b>	Keep container tightly sealed when not in use. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. Store in a demarcated bunded area to prevent release to drains and/or watercourses.

### 9. Physical and chemical properties

#### Information on basic physical and chemical properties

<b>Appearance</b>	Paste. Grease.
<b>Color</b>	Yellow.
<b>Odor</b>	Mild.
<b>Odor threshold</b>	No information available.
<b>pH</b>	Not applicable.
<b>Melting point</b>	Not applicable.
<b>Initial boiling point and range</b>	No information available.
<b>Flash point</b>	> 200°C/400°F
<b>Evaporation rate</b>	No information available.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	Not applicable.
<b>Vapor pressure</b>	No information available.
<b>Vapor density</b>	No information available.
<b>Relative density</b>	No information available.
<b>Bulk density</b>	13.22 lbs/gal @ 15.5°C/60°F

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<b>Specific gravity</b>	1.59 @ 15.5°C/60°F
<b>Solubility(ies)</b>	Insoluble in water.
<b>Partition coefficient</b>	No information available.
<b>Auto-ignition temperature</b>	No information available.
<b>Decomposition Temperature</b>	No information available.
<b>Viscosity</b>	No information available.
<b>Explosive properties</b>	Not applicable.
<b>Oxidizing properties</b>	No information available.
<b>Other information</b>	No information required.

### 10. Stability and reactivity

<b>Reactivity</b>	There are no known reactivity hazards associated with this product.
<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.
<b>Possibility of hazardous reactions</b>	No potentially hazardous reactions known.
<b>Conditions to avoid</b>	There are no known conditions that are likely to result in a hazardous situation.
<b>Materials to avoid</b>	Avoid contact with the following materials: Oxidizing materials. Acids.
<b>Hazardous decomposition products</b>	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapors. Carbon monoxide (CO). Carbon dioxide (CO <sub>2</sub> ).

### 11. Toxicological information

#### Information on toxicological effects

##### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** Based on available data the classification criteria are not met.

##### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** Based on available data the classification criteria are not met.

##### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** Based on available data the classification criteria are not met.

##### Skin corrosion/irritation

**Skin corrosion/irritation** Irritating.

##### Serious eye damage/irritation

**Serious eye damage/irritation** Causes serious eye irritation.

##### Respiratory sensitization

**Respiratory sensitization** Based on available data the classification criteria are not met.

##### Skin sensitization

**Skin sensitization** May cause sensitization or allergic reactions in sensitive individuals.



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### Germ cell mutagenicity

**Genotoxicity - in vitro** Based on available data the classification criteria are not met.

### Carcinogenicity

**Carcinogenicity** Based on available data the classification criteria are not met.

### Reproductive toxicity

**Reproductive toxicity - fertility** Based on available data the classification criteria are not met.

**Reproductive toxicity - development** Based on available data the classification criteria are not met.

### Specific target organ toxicity - single exposure

**STOT - single exposure** Based on available data the classification criteria are not met.

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** Based on available data the classification criteria are not met.

### Aspiration hazard

**Aspiration hazard** Based on available data the classification criteria are not met.

### **General information**

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

### **Inhalation**

Prolonged inhalation of high concentrations may damage respiratory system.

### **Ingestion**

Gastrointestinal symptoms, including upset stomach. May cause irritation.

### **Skin Contact**

May cause an allergic skin reaction. Prolonged contact may cause dryness of the skin. Redness. Irritating to skin.

### **Eye contact**

Irritating to eyes.

### **Route of exposure**

Ingestion Inhalation Skin and/or eye contact

### **Target Organs**

No specific target organs known.

### Toxicological information on ingredients.

#### Phenol, isobutylenated, phosphate (3:1)

##### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** LD<sub>50</sub> >5000 mg/kg, Oral, Rat Read-across data.

##### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** LD<sub>50</sub> >2000 mg/kg, Dermal, Rabbit Read-across data.

##### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** LC<sub>50</sub> >3.1 mg/l, Inhalation, Rat Read-across data.

##### Skin corrosion/irritation

**Skin corrosion/irritation** Slightly irritating. Read-across data.

##### Serious eye damage/irritation

**Serious eye damage/irritation** Slightly irritating. Read-across data.

## 12. Ecological information

### Acute aquatic toxicity

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**Summary** Aquatic Acute 2 - H401 Toxic to aquatic life.

### Chronic aquatic toxicity

**Summary** Aquatic Chronic 2 - H411 Toxic to aquatic life with long lasting effects.

### Ecological information on ingredients.

#### Phenol, isobutylenated, phosphate (3:1)

<b>Toxicity</b>	Very toxic to aquatic life with long lasting effects.
<b><u>Acute aquatic toxicity</u></b>	
<b>LE(C)<sub>50</sub></b>	0.1 < L(E)C <sub>50</sub> ≤ 1
<b>M factor (Acute)</b>	1
<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 96 hours: 2.3 mg/l, Pimephales promelas (Fat-head Minnow) Read-across data.
<b>Acute toxicity - aquatic invertebrates</b>	EC <sub>50</sub> , 48 hours: 0.25 mg/l, Daphnia magna Read-across data.
<b>Acute toxicity - aquatic plants</b>	EC <sub>50</sub> , 96 hours: 2.6 mg/l, Selenastrum capricornutum Read-across data.
<b><u>Chronic aquatic toxicity</u></b>	
<b>NOEC</b>	0.001 < NOEC ≤ 0.01
<b>Degradability</b>	Rapidly degradable
<b>M factor (Chronic)</b>	1
<b>Chronic toxicity - fish early life stage</b>	NOEC, 30 days: 0.093 mg/l, Pimephales promelas (Fat-head Minnow) Read-across data.
<b>Chronic toxicity - aquatic invertebrates</b>	NOEC, 21 days: 0.015 mg/l, Daphnia magna Read-across data.

### Persistence and degradability

**Persistence and degradability** The degradability of the product is not known.

### Ecological information on ingredients.

#### Phenol, isobutylenated, phosphate (3:1)

<b>Persistence and degradability</b>	The substance is readily biodegradable.
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### Bioaccumulative potential

**Bio-Accumulative Potential** No data available on bioaccumulation.

**Partition coefficient** No information available.

### Ecological information on ingredients.

#### Phenol, isobutylenated, phosphate (3:1)

**Bio-Accumulative Potential** BCF: 4412, Pimephales promelas (Fat-head Minnow) Read-across data.

**Partition coefficient** log Kow: 5.12 Read-across data.

### Mobility in soil

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**Mobility** No data available.

### Ecological information on ingredients.

#### Phenol, isobutylenated, phosphate (3:1)

<b>Mobility</b>	The product has poor water-solubility.
<b>Adsorption/desorption coefficient</b>	Soil - Log Koc: 0.49 @ 25°C Read-across data.
<b>Henry's law constant</b>	0.018 Pa m <sup>3</sup> /mol @ 20°C

### Other adverse effects

**Other adverse effects** None known.

### 13. Disposal considerations

#### Waste treatment methods

##### **General information**

The generation of waste should be minimized or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.

##### **Disposal methods**

Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labeled with their contents. Incineration or landfill should only be considered when recycling is not feasible.

### 14. Transport information

##### **General**

For limited quantity packaging/limited load information, consult the relevant modal documentation using the data shown in this section. Effective January 1, 2015, the International Air Transport Association (IATA) and the International Maritime Organization (IMO) provide a new exclusion for certain marine pollutants shipped by air or vessel (per IATA DGR 4.4 SP A197 and IMDG Code 2.10.2.7). Marine pollutants with the shipping names "UN 3077 Environmentally hazardous substance, solid, N.O.S." and "UN 3082 Environmentally hazardous substance, liquid, N.O.S." shipped in quantities of ≤ 5 L or 5 kg per package are not subject to regulation other than specific packaging provisions.

##### **Sea transport notes**

See: 2.10.2.7 (IMDG)

##### **Air transport notes**

Refer to the Dangerous Goods List for information on any Special Provisions A197. For IATA information please refer to the relevant ICAO information below.

##### **DOT transport notes**

The shipping descriptions shown here are for bulk shipments only, and may not apply to shipments in non-bulk packages. Refer to 49 CFR 173.155 for details of the exceptions for Class 9.

#### UN Number

<b>UN No. (TDG)</b>	3077
<b>UN No. (IMDG)</b>	3077
<b>UN No. (ICAO)</b>	3077

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**UN No. (DOT)** UN3077

**UN proper shipping name**

**Proper shipping name (TDG)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS Phenol, isobutyleneated, phosphate (3:1))

**Proper shipping name (IMDG)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS Phenol, isobutyleneated, phosphate (3:1))

**Proper shipping name (ICAO)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS Phenol, isobutyleneated, phosphate (3:1))

**Proper shipping name (DOT)** ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOLID, N.O.S. (CONTAINS Phenol, isobutyleneated, phosphate (3:1))

**Transport hazard class(es)**

**DOT hazard class** 9

**DOT hazard label** 9

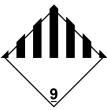
**TDG class** 9

**TDG label(s)** 9

**IMDG Class** 9

**ICAO class/division** 9

**Transport labels**



**DOT transport labels**



**Packing group**

**TDG Packing Group** III

**IMDG packing group** III

**ICAO packing group** III

**DOT packing group** III

**Environmental hazards**

**Environmentally Hazardous Substance**



**Special precautions for user**

**EmS** F-A, S-F

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

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### 15. Regulatory information

**Regulatory References** U.S. DOL, OSHA, 29 CFR 1910.1200, The Hazard Communication Standard (HCS).

#### US Federal Regulations

**SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities**

None of the ingredients are listed or exempt.

**CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)**

None of the ingredients are listed or exempt.

**SARA Extremely Hazardous Substances EPCRA Reportable Quantities**

None of the ingredients are listed or exempt.

**SARA 313 Emission Reporting**

None of the ingredients are listed or exempt.

**CAA Accidental Release Prevention**

None of the ingredients are listed or exempt.

**FDA - Essential Chemical**

None of the ingredients are listed or exempt.

**FDA - Precursor Chemical**

None of the ingredients are listed or exempt.

**SARA (311/312) Hazard Categories**

Respiratory or skin sensitization  
Serious eye damage or eye irritation  
Skin corrosion or irritation

**OSHA Highly Hazardous Chemicals**

None of the ingredients are listed or exempt.

#### US State Regulations

**California Proposition 65 Carcinogens and Reproductive Toxins**

None of the ingredients are listed or exempt.

**California Air Toxics "Hot Spots" (A-I)**

Some of the ingredients are listed or exempt.

**California Air Toxics "Hot Spots" (A-II)**

None of the ingredients are listed or exempt.

**California Directors List of Hazardous Substances**

Some of the ingredients are listed or exempt.

**Massachusetts "Right To Know" List**

Some of the ingredients are listed or exempt.

**Rhode Island "Right To Know" List**

Some of the ingredients are listed or exempt.

**Minnesota "Right To Know" List**

Some of the ingredients are listed or exempt.

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### **New Jersey "Right To Know" List**

Some of the ingredients are listed or exempt.

### **Pennsylvania "Right To Know" List**

Some of the ingredients are listed or exempt.

### **Inventories**

#### **EU - EINECS/ELINCS**

Some of the ingredients are listed or exempt.

#### **Canada - DSL/NDSL**

All the ingredients are listed or exempt.

#### **US - TSCA**

All the ingredients are listed or exempt.

#### **US - TSCA 12(b) Export Notification**

None of the ingredients are listed or exempt.

#### **Australia - AICS**

All the ingredients are listed or exempt.

#### **Japan - ENCS**

Some of the ingredients are listed or exempt.

#### **Korea - KECI**

All the ingredients are listed or exempt.

#### **China - IECSC**

All the ingredients are listed or exempt.

#### **Philippines - PICCS**

All the ingredients are listed or exempt.

#### **New Zealand - NZIOC**

All the ingredients are listed or exempt.

#### **Taiwan - TCSI**

All the ingredients are listed or exempt.

### **16. Other information**

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### Abbreviations and acronyms used in the safety data sheet

GHS: Globally harmonized system.

TDG: The transport of dangerous goods act

IATA: International air transport association.

ICAO: Technical instructions for the safe transport of dangerous goods by air.

IMDG: International maritime dangerous goods.

MARPOL 73/78: International convention for the prevention of pollution from ships, 1973 as modified by the protocol of 1978.

ATE: Acute toxicity estimate.

EC<sub>50</sub>: 50% of maximal effective concentration.

LC<sub>50</sub>: Lethal concentration to 50 % of a test population.

LD<sub>50</sub>: Lethal dose to 50% of a test population (median lethal dose).

IARC: International agency for research on cancer.

PBT: Persistent, bioaccumulative and toxic substance.

vPvB: Very persistent and very bioaccumulative.

### Classification abbreviations and acronyms

Acute Tox. = Acute toxicity

Aquatic Acute = Hazardous to the aquatic environment (acute)

Aquatic Chronic = Hazardous to the aquatic environment (chronic)

Asp. Tox. = Aspiration hazard

Carc. = Carcinogenicity

Eye Dam. = Serious eye damage

Eye Irrit. = Eye irritation

Flam. Liq. = Flammable liquid

Flam. Sol. = Flammable solid

Met. Corr. = Corrosive to metals

Muta. = Germ cell mutagenicity

Repr. = Reproductive toxicity

Resp. Sens. = Respiratory sensitisation

Skin Corr. = Skin corrosion

Skin Irrit. = Skin irritation

Skin Sens. = Skin sensitisation

STOT RE = Specific target organ toxicity-repeated exposure

STOT SE = Specific target organ toxicity-single exposure

### Training advice

Read and follow manufacturer's recommendations. Only trained personnel should use this material.

### Revision date

5/11/2020

### Revision

5

### Supersedes date

8/6/2018

### SDS No.

315

### Hazard statements in full

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

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.

H412 Harmful to aquatic life with long lasting effects.

H413 May cause long lasting harmful effects to aquatic life.

USH01 May form combustible dust concentrations in air.

## ThreadMate II

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.