This safety data sheet complies with the requirements of:
Classification according to Directive 67/548/EEC or 1999/45/EC

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name: AGITAN® 5018
Product code: U15018

Contains Petroleum distillates, solvent dewaxed heavy paraffinic, Petroleum distillates, solvent dewaxed light paraffinic

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: Anti-foaming agent (defoamer)
Uses advised against: Consumer use

1.3. Details of the supplier of the safety data sheet

Manufacturer: Munzing - Ultra Additives LLC.
1455 Broad Street
Bloomfield NJ 07003
United States

Email: info@munzing.us
Phone: 1-973-279-1306

Supplier: Munzing Chemie GmbH
Munzingstrasse 2
74232 Abstatt
Germany

Email: info@munzing.com
Phone: +49 (0) 7131/987-0

1.4. Emergency telephone number

Emergency telephone: CHEMTREC (24 hrs - for spill, leak or transportation incidents):
US: 1-800-424-9300
non-US: 1-703-527-3887
EU: +49 761 19240 (VIZ Freiburg)

Europe: 112

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]
This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

Classification according to EU Directives 67/548/EEC or 1999/45/EC
Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC

Full text of R-phrases: see section 16

2.2. Label Elements
This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

2.3. Other hazards
No information available.

### Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2 Mixtures
Chemical nature of the product: Petroleum oil-based mixture

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum distillates, solvent dewaxed light paraffinic</td>
<td>265-159-2</td>
<td>64742-56-9</td>
<td>10 - 30</td>
<td>-</td>
<td>Carc. 1B (H350) L</td>
<td>No data available</td>
</tr>
<tr>
<td>Petroleum distillates, solvent dewaxed heavy paraffinic</td>
<td>265-169-7</td>
<td>64742-65-0</td>
<td>30 - 60</td>
<td>Carc. 1B (H350) L</td>
<td>No data available</td>
<td></td>
</tr>
</tbody>
</table>

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC
Full text of R-phrases: see section 16

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]
Full text of H- and EUH-phrases: see section 16

Note
The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346 “Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fraction.

### Section 4: FIRST AID MEASURES

#### 4.1. Description of first aid measures

**Eye Contact**
Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.

**Skin Contact**
Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

**Inhalation**
Move victim to fresh air.

**Ingestion**
IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Call a physician or poison control center immediately.

**Self-Protection of the First Aider**
Use personal protection equipment.

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

**Most important symptoms and effects**
No information available.

#### 4.3. Indication of any immediate medical attention and special treatment needed
Notes to Physician

Treat symptomatically.

### Section 5: FIRE FIGHTING MEASURES

#### 5.1. Extinguishing media

**Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water spray. Carbon dioxide (CO2). Dry chemical. Alcohol resistant foam.

**Unsuitable Extinguishing Media**

Do not use a solid water stream as it may scatter and spread fire.

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

**Hazardous Combustion Products**

Thermal decomposition can lead to release of irritating and toxic gases and vapors. Carbon oxides. Silicon dioxide.

#### 5.3. Advice for firefighters

**Advice for fire-fighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### Section 6: ACCIDENTAL RELEASE MEASURES

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

**Personal precautions**

Use personal protection equipment. Avoid contact with skin, eyes and clothing.

**Protective precautions**

Use personal protection equipment.

#### 6.2. Environmental precautions

**Environmental Precautions**

Avoid release to the environment.

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

**Methods for Containment**

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

**Methods for Clean-Up**

Prevent product from entering drains. Pick up and transfer to properly labelled containers.

#### 6.4. Reference to other sections

**Reference to other sections**

See Sections 5 & 7 for additional information.

### Section 7: HANDLING AND STORAGE

#### 7.1. Precautions for safe handling

**Handling**

Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.

**General Hygiene Considerations**

Handle in accordance with good industrial hygiene and safety practice. Take off contaminated clothing and wash before reuse. Do not get in eyes, on skin, or on clothing.

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

**Storage Conditions**

Keep containers tightly closed in a cool, well-ventilated place.

#### 7.3. Specific end use(s)
Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure limits

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Derived No Effect Level (DNEL)

No information available.

Predicted No Effect Concentration (PNEC)

No information available.

8.2. Exposure controls

Engineering Controls

Ensure adequate ventilation, especially in confined areas. In case of insufficient ventilation, wear suitable respiratory equipment.

Personal protective equipment

Eye/Face Protection

Safety glasses with side-shields. If splashes are likely to occur, wear: Goggles.

Skin protection

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. For operations where prolonged or repeated skin contact may occur, impervious gloves should be worn. PVC. Neoprene. PVA.

Respiratory protection

If exposure limits are likely to be exceeded or if irritation or other symptoms are experienced, NIOSH/MSHA or EN 136 approved respiratory protection should be worn.

Environmental exposure controls

No information available.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks/Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Liquid</td>
<td>No information available</td>
</tr>
<tr>
<td>Appearance</td>
<td>Opaque, Off-white</td>
<td>No information available</td>
</tr>
<tr>
<td>Odor</td>
<td>Slight</td>
<td>No information available</td>
</tr>
<tr>
<td>Odor threshold</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Property</td>
<td>Values</td>
<td>Remarks/Method</td>
</tr>
<tr>
<td>pH</td>
<td>No information available</td>
<td>No information available</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>No information available</td>
<td>No information available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No information available</td>
<td>No information available</td>
</tr>
<tr>
<td>Flash Point</td>
<td>&gt; 150 °C</td>
<td>No information available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No information available</td>
<td>No information available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No information available</td>
<td>No information available</td>
</tr>
<tr>
<td>Flammability Limit in Air</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper flammability limit</td>
<td>No information available</td>
<td>No information available</td>
</tr>
<tr>
<td>Lower flammability limit</td>
<td>No information available</td>
<td>No information available</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>No information available</td>
<td>No information available</td>
</tr>
<tr>
<td>Vapor density</td>
<td>No information available</td>
<td>No information available</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.85</td>
<td>No information available</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>No information available</td>
<td>No information available</td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>Emulsifiable</td>
<td>No information available</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No information available</td>
<td>No information available</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No information available</td>
<td>No information available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No information available</td>
<td>No information available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>~500</td>
<td>No information available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No information available</td>
<td>No information available</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No information available</td>
<td>No information available</td>
</tr>
</tbody>
</table>
Section 10: STABILITY AND REACTIVITY

10.1. Reactivity
Reactivity
Stable under normal conditions.

10.2. Chemical stability
Chemical Stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions
Possibility of Hazardous Reactions
None under normal processing.

Hazardous Polymerization
Hazardous polymerization does not occur.

10.4. Conditions to avoid
Conditions to Avoid
Heat, flames and sparks.

10.5. Incompatible materials
Incompatible Materials
Strong oxidizing agents.

10.6. Hazardous decomposition products
Hazardous decomposition products
Thermal decomposition can lead to release of irritating and toxic gases and vapors. Carbon oxides. Silicon dioxide.

Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
Acute Toxicity
Product Information

<table>
<thead>
<tr>
<th>Eyes</th>
<th>Contact with eyes may cause irritation. Avoid contact with eyes.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin</td>
<td>Substance may cause slight skin irritation. Avoid contact with skin.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>Inhalation of vapors in high concentration may cause irritation of respiratory system.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>May be harmful if swallowed. Due to the viscosity, this product does not present an aspiration hazard.</td>
</tr>
</tbody>
</table>

Unknown acute toxicity
38.375% of the mixture consists of ingredient(s) of unknown toxicity.

The following values are calculated based on chapter 3.1 of the GHS document

<table>
<thead>
<tr>
<th>ATEmix (oral)</th>
<th>112,158.00 mg/kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATEmix (dermal)</td>
<td>5,157.00 mg/kg</td>
</tr>
<tr>
<td>ATEmix (inhalation-dust/mist)</td>
<td>No data available</td>
</tr>
</tbody>
</table>

Component Information

<table>
<thead>
<tr>
<th>Component</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum distillates, solvent</td>
<td>5000 mg/kg (Rat)</td>
<td>2000 mg/kg (Rabbit)</td>
<td></td>
</tr>
<tr>
<td>Component</td>
<td>Algae</td>
<td>Fish</td>
<td>Daphnia magna</td>
</tr>
<tr>
<td>-------------------------------------------</td>
<td>-------</td>
<td>-------------------------------------------</td>
<td>-----------------------------------</td>
</tr>
<tr>
<td>Petroleum distillates, solvent</td>
<td>-</td>
<td>5000: 96 h Oncorhynchus mykiss mg/L LC50</td>
<td>1000: 48 h Daphnia magna mg/L EC50</td>
</tr>
<tr>
<td>dewaxed light paraffinic 64742-56-9</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Petroleum distillates, solvent</td>
<td>-</td>
<td>5000: 96 h Oncorhynchus mykiss mg/L LC50</td>
<td>1000: 48 h Daphnia magna mg/L EC50</td>
</tr>
<tr>
<td>dewaxed heavy paraffinic 64742-65-0</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Polyalkylene glycol, alkyl ether</td>
<td>-</td>
<td>LC50: 20.6 mg/l (Pimphales promelas)</td>
<td>EC50: 450 mg/l (Daphnia magna)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LC50 (96h): &gt; 500 m/L (golden orfe)</td>
<td>EC50 (48h): &gt;100 mg/l (Daphnia magna)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LC50 (96h): 104 mg/L (Brachydanio rerio)</td>
<td>LC50: 9.8 mg/l (Daphnia magna)</td>
</tr>
</tbody>
</table>

**Section 12: ECOLOGICAL INFORMATION**

12.1. Toxicity

Ecotoxicity

Discharge into the environment must be avoided.

Unknown Aquatic Toxicity 24.5% of the mixture consists of components(s) of unknown hazards to the aquatic environment.

12.2. Persistence and degradability

Persistence and degradability Not readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulation/Accumulation Not likely to bioaccumulate.

12.4. Mobility in soil

Mobility in Environmental Media The product is insoluble and floats on water.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment Not applicable.

12.6. Other adverse effects

Other adverse effects No information available.
Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from residues/unused products
Contain and dispose of waste according to local regulations.

Contaminated packaging
Empty containers should be taken for local recycling, recovery or waste disposal. Do not burn, or use a cutting torch on, the empty drum.

Waste codes / waste designations according to EWC / AVV
Not applicable.

Section 14: TRANSPORT INFORMATION

ADR/RID
Not regulated

IMDG/IMO
Not regulated

IATA
Not regulated

Section 15: REGULATORY INFORMATION

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

International Inventories

US TSCA
Complies

Australia (AICS)
Complies

Canada (DSL)
Complies

China (IECSC)
Complies

Europe (EINECS/ELINCS/NLP)
Complies

Japan (METI)
Complies

South Korea (KECL)
Complies

Philippines (PICCS)
Complies

Legend
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

WGK Classification (VwVwS)
Water endangering class = 1 (self estimation)

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Authorizations and/or restrictions on use:
This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV). This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

Persistent Organic Pollutants
Not applicable

Ozone-depleting substances (ODS) regulation (EC) 1005/2009
15.2. Chemical safety assessment

No information available

### Section 16: OTHER INFORMATION

**Key or legend to abbreviations and acronyms used in the safety data sheet**

**Full text of R-phrases referred to under sections 2 and 3**
R65 - Harmful: may cause lung damage if swallowed

**Full text of H-Statements referred to under section 3**
H350 - May cause cancer if swallowed

**Legend**
SVHC: Substances of Very High Concern for Authorization:

TWA - TWA (time-weighted average)
STEL - STEL (Short Term Exposure Limit)
Ceiling - Maximum limit value
* - Skin designation

Classification procedure Minimum classification

**Issue Date:** 2010-06-29
**Revision Date:** 2015-05-14
**Reason for revision** Update to Format, SDS sections updated, 15, 2.

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

**Disclaimer**
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.

End of Safety Data Sheet