SAFETY DATA SHEET

According to EC Directive 1907/2006/EC

Preparation Date 09-Jan-2009
Revision Date 31-Jan-2013
Revision Number: 7

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

1.1 Product Identifier
   - Product code: U1A202E
   - Product name / trade name: AGITAN® A202E

1.2 Relevant identified uses of the substance or mixture and uses advised against
   - Recommended Use: Antifoam agent / Defoamer

1.3 Details of the supplier of the safety data sheet
   - Contact Manufacturer: Munzing - Ultra Additives LLC.
     - 1455 Broad Street
     - Bloomfield NJ 07003
     - United States
   - Email: info@munzing.us
   - Phone: 1-973-279-1306

1.4 Emergency Telephone Number
   - 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)

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture
   - The product is classified and labelled in accordance with Directive 67/548/EEC or 1999/45/EC

2.2 Label Elements
   - EU Symbol(s): Not dangerous

   R -phrase(s)
   - This product does not require any hazard labelling
This product does not require any hazard labelling

2.3. Other hazards
Results of PBT and vPvB assessment
PBT: Not applicable
vPvB: Not applicable

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

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

Hazardous components

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS-No.</th>
<th>EC No.</th>
<th>REACH Reg-No.</th>
<th>GHS(*) Classification</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum distillates, solvent dewaxed heavy paraffinic</td>
<td>64742-65-0</td>
<td>265-169-7</td>
<td>--</td>
<td>--</td>
<td>&gt;70</td>
</tr>
</tbody>
</table>

(*)GHS Reference
CLP (1272/2008)

Component Notes

Petroleum distillates, solvent dewaxed heavy paraffinic

L: 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. This note applies only to certain complex oil derived substances in Annex I

For the full text of the R phrases mentioned in this Section, see Section 16

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 removing all contaminated clothes and shoes

   Ingestion
   Gently wipe or rinse the inside of the mouth with water. If swallowed, DO NOT induce vomiting.

   Inhalation
   Move to fresh air

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

4.3. Indication of any immediate medical attention and special treatment needed
   Immediate medical attention is not required

Notes to Physician
   Treat symptomatically

SECTION 5: FIREFIGHTING MEASURES
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5.1. Extinguishing media
In case of fire, use water/water spray/water jet/carbon dioxide/sand/foam/alcohol resistant foam/chemical powder for extinction. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2. Specific hazards arising from the substance or mixture
Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray.

5.3. Advice for Firefighters
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
Remove all sources of ignition. Avoid exceeding of the given occupational exposure limits (see section 8).

6.2. Environmental precautions
Avoid release to the environment. Try to prevent the material from entering drains or water courses. Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

6.3. Methods and material for containment and cleaning up
Prevent spreading over a wide area (e.g. by containment or oil barriers). Contain and collect spillage 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).

6.4. Reference to other sections
Refer to protective measures listed in Sections 7 and 8.

SECTION 7: HANDLING AND STORAGE

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

7.2. Conditions for safe storage, including any incompatibilities
Keep containers tightly closed in a cool, well-ventilated place.

7.3. Specific end use(s)
See 1.2 Relevant identified uses of the substance or mixture and uses advised against.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters
Engineering Controls
Ensure adequate ventilation, especially in confined areas. In case of insufficient ventilation, wear suitable respiratory equipment.

8.2. Exposure controls
Personal Protective Equipment:
Respiratory Protection
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye Protection
Tightly fitting safety goggles

Skin Protection
Impervious clothing. For prolonged or repeated contact use protective gloves. PVC. Neoprene. PVA.
General Hygiene Considerations
Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Material can create slippery conditions.

Environmental exposure controls
No information available

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties
Typical properties provided; These values do not represent product specifications.

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Opaque, White</td>
</tr>
<tr>
<td>Odor</td>
<td>Slight</td>
</tr>
<tr>
<td>pH</td>
<td>No information available</td>
</tr>
<tr>
<td>Flash Point</td>
<td>196°C / 385°F</td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>No information available</td>
</tr>
<tr>
<td>Boiling Point/Range</td>
<td>No information available</td>
</tr>
<tr>
<td>Flammable Limits</td>
<td>No information available</td>
</tr>
<tr>
<td>Explosive Properties</td>
<td>No information available</td>
</tr>
<tr>
<td>Solubility (in H2O)</td>
<td>Emulsifiable</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>No information available</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>No information available</td>
</tr>
<tr>
<td>Oxidizing Properties</td>
<td>not an oxidizer</td>
</tr>
<tr>
<td>Solid content (%)</td>
<td>&gt;97.5</td>
</tr>
<tr>
<td>Partition Coefficient (n-octanol/water)</td>
<td>No information available</td>
</tr>
<tr>
<td>pH</td>
<td>No information available</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>No information available</td>
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</tr>
<tr>
<td>Partition Coefficient (n-octanol/water)</td>
<td>No information available</td>
</tr>
<tr>
<td>Physical State</td>
<td>Liquid</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>No information available</td>
</tr>
<tr>
<td>Open cup (OC)</td>
<td></td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No information available</td>
</tr>
<tr>
<td>Melting Point/Range</td>
<td>No information available</td>
</tr>
<tr>
<td>Specific Gravity (g/cm³)</td>
<td>0.85</td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>No information available</td>
</tr>
<tr>
<td>Vapor Pressure, 20°C/68°F</td>
<td>No information available</td>
</tr>
<tr>
<td>Density</td>
<td>0.85 kg/L; 7.05 #/gal</td>
</tr>
<tr>
<td>VOC Content</td>
<td>No information available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>&lt;4000 cps @25°C</td>
</tr>
</tbody>
</table>

9.2. Other information
None

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity
Stable under normal conditions

10.2. Chemical stability
Stable under normal conditions

10.3. Possibility of Hazardous Reactions
None under normal processing. Hazardous polymerisation does not occur.

10.4. Conditions to Avoid
Heat, flames and sparks

10.5. Incompatible Materials
Strong oxidizing agents.

10.6. Hazardous Decomposition Products
Thermal decomposition can lead to release of irritating gases and vapours. Carbon oxides.
SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute Toxicity

Product Information
Information given is based on data on the components and the toxicology of similar products.

<table>
<thead>
<tr>
<th>Component</th>
<th>LD50 Oral</th>
<th>LD50 Dermal</th>
<th>LC50 Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum distillates, solvent dewaxed heavy paraffinic</td>
<td>5000 mg/kg</td>
<td>&gt;5000 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>Synthetic wax</td>
<td>&gt;5000 mg/kg</td>
<td>&gt;2000 mg/kg</td>
<td>-</td>
</tr>
</tbody>
</table>

Chronic Toxicity

Carcinogenicity There are no known carcinogenic chemicals in this product (IARC, ACGIH, US OSHA, US NTP).

Irritation Non persistent irritation. Skin, rabbit: >5000 mg/kg. Eye, rabbit: >20000 mg/kg.

Sensitization No known effect.

Neurological Effects No information available

Mutagenic Effects No information available

Reproductive Effects No information available

Developmental Effects No information available

Target Organ Effects Respiratory system, Skin.

Other Adverse Effects None known

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity effects:
Discharge into the environment must be avoided.
Aquatic toxicity is unlikely due to low solubility.

<table>
<thead>
<tr>
<th>Component</th>
<th>Freshwater Algae</th>
<th>Freshwater Fish</th>
<th>Microtox</th>
<th>Water Flea</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum distillates, solvent dewaxed heavy paraffinic</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Synthetic wax</td>
<td>-</td>
<td>LC50 (96 h): &gt;1000 mg/l (Rainbow trout)</td>
<td>-</td>
<td>EC50 (48 h): 140 mg/l (Daphnia)</td>
</tr>
</tbody>
</table>

12.2. Persistence and Degradability
Not readily biodegradable.
12.3. Bioaccumulative Potential
Not likely to bioaccumulate

12.4. Mobility in soil
No information available

12.5. Results of PBT and vPvB assessment
No information available

12.6. Other adverse effects
Is not likely mobile in the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods
Waste from Residues / Unused Products
Can be incinerated, when in compliance with 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.
EWC waste disposal
No information available

SECTION 14: TRANSPORT INFORMATION

ADR/RID
Not regulated

14.1. UN-Number
Not applicable
14.2. UN Proper Shipping Name
Not applicable
14.3. Transport hazard class
Not applicable
14.4. Packing Group
Not applicable
14.5. Environmental hazards
Not applicable
14.6. Special precautions for user
Not applicable
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable

ICAO/IATA
Not regulated

IMDG/IMO
Not regulated

SECTION 15: REGULATORY INFORMATION

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

WGK Classification
Water endangering class = 1 (self classification)

15.2. Chemical safety assessment
A chemical safety assessment has not been performed.

International Inventories
All of the components in the product are on or exempt from the following Inventory lists
Canada DSL
Complies
China IECSC  Complies
EU EINECS/ELINCS  Complies
Japan ENCS  Complies
Korea KECL  Complies
New Zealand NZIoCS  Complies
Philippines PICCS  Complies
Australia AICS  Complies
US TSCA  Complies

SECTION 16: OTHER INFORMATION

Text of R phrases mentioned in Section 3
Not applicable

Full text of H-Statements referred to under sections 2 and 3
Not applicable

Preparation Date 09-Jan-2009
Revision Date 31-Jan-2013
Revision Summary Update to Format

Disclaimer
The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text

End of Safety Data Sheet