
SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier
Trade name: Kubota® SUPER UDT2 TRANS HYDRAULIC FLUID

Recommended use of the chemical and restrictions on use

GHS Classification
Eye irritation: Category 2A
Skin sensitization: Category 1

GHS Label element
Hazard pictograms:

Signal Word: Warning
Hazard Statements: May cause an allergic skin reaction. Causes serious eye irritation.

Precautionary Statements:
Response: IF ON SKIN: Wash with plenty of soap and water.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Wash contaminated clothing before reuse.

**Disposal:**
Dispose of contents/container to an approved waste disposal plant.

**Other hazards**
None known.

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### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Substance / Mixture</th>
<th>Mixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical nature</td>
<td>Defatter</td>
</tr>
<tr>
<td><strong>Hazardous components</strong></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Classification</th>
<th>Concentration (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEAVY PARAFFINIC DISTILLATE</td>
<td>64742-54-7</td>
<td>Asp. Tox. 1; H304</td>
<td>58.00</td>
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<tr>
<td>Distillates (Petroleum), Hydrotreated Middle</td>
<td>64742-46-7</td>
<td>Asp. Tox. 1; H304</td>
<td>2.97</td>
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<tr>
<td>HYDROTREATED LIGHT PARAFFINIC DISTILLATE</td>
<td>64742-55-8</td>
<td>Asp. Tox. 1; H304</td>
<td>2.77</td>
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<tr>
<td>POLYMER</td>
<td></td>
<td>Eye Irrit. 2A; H319</td>
<td>1.47</td>
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<tr>
<td></td>
<td></td>
<td>Skin Sens. 1; H317</td>
<td></td>
</tr>
<tr>
<td>ALKYL IMIDAZOLINE</td>
<td></td>
<td>Eye Irrit. 2A; H319</td>
<td>1.47</td>
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<tr>
<td>PHOSPHORODITHIOIC ACID</td>
<td>4259-15-8</td>
<td>Eye Dam. 1; H318</td>
<td>1.47</td>
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<tr>
<td>POLYMER</td>
<td></td>
<td>Eye Irrit. 2A; H319</td>
<td>0.27</td>
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<tr>
<td></td>
<td></td>
<td>Skin Sens. 1; H317</td>
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</tr>
</tbody>
</table>
PHOSPHOROUS ACID, TRIPHENYL ESTER 101-02-0 Acute Tox. 4; H302 0.27 Acute Tox. 3; H331 Skin Irrit. 2; H315 Eye Irrit. 2A; H319 Skin Sens. 1; H317

SECTION 4. FIRST AID MEASURES

General advice : Move out of dangerous area. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.

If inhaled : If breathed in, move person into fresh air. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

In case of skin contact : Remove contaminated clothing. If irritation develops, get medical attention. If on skin, rinse well with water. First aid is not normally required. However, it is recommended that exposed areas be cleaned by washing with soap and water. Wash contaminated clothing before re-use.

In case of eye contact : Immediately flush eye(s) with plenty of water. Remove contact lenses. Protect unharmed eye.

If swallowed : Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

Most important symptoms and effects, both acute and delayed : Acute aspiration of large amounts of oil-laden material may produce a serious aspiration pneumonia. Patients who aspirate these oils should be followed for the development of long-term sequelae. Repeated aspiration of small quantities of mineral oil can produce chronic inflammation of the lungs (i.e. lipoid pneumonia) that may progress to pulmonary fibrosis. Symptoms are often subtle and radiological changes appear worse than clinical abnormalities. Occasionally, persistent cough, irritation of the upper respiratory tract,
shortness of breath with exertion, fever, and bloody sputum occur. Inhalation exposure to oil mists below current workplace exposure limits is unlikely to cause pulmonary abnormalities.

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include:
- acne
- stomach or intestinal upset (nausea, vomiting, diarrhea)
- irritation (nose, throat, airways)
- May cause an allergic skin reaction.
- Causes serious eye irritation.

Notes to physician: No hazards which require special first aid measures.

### SECTION 5. FIREFIGHTING MEASURES

<table>
<thead>
<tr>
<th>Suitable extinguishing media</th>
<th>Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water spray Foam Carbon dioxide (CO2) Dry chemical</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unsuitable extinguishing media</td>
<td>High volume water jet</td>
</tr>
<tr>
<td>Specific hazards during firefighting</td>
<td>If product is heated above its flash point it will produce vapors sufficient to support combustion. Vapors are heavier than air and may travel along the ground and be ignited by heat, pilot lights, other flames and ignition sources at locations near the point of release. Do not allow run-off from fire fighting to enter drains or water courses.</td>
</tr>
<tr>
<td>Hazardous combustion products</td>
<td>carbon dioxide and carbon monoxide Hydrocarbons nitrogen oxides (NOx)</td>
</tr>
<tr>
<td>Specific extinguishing methods</td>
<td>Product is compatible with standard fire-fighting agents.</td>
</tr>
<tr>
<td>Further information</td>
<td>Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.</td>
</tr>
<tr>
<td>Special protective equipment for firefighters</td>
<td>In the event of fire, wear self-contained breathing apparatus.</td>
</tr>
</tbody>
</table>

### SECTION 6. ACCIDENTAL RELEASE MEASURES
Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.

Environmental precautions: Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

Other information: Comply with all applicable federal, state, and local regulations.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling: Do not breathe vapours/dust. Do not smoke. Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used. Container hazardous when empty. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. Smoking, eating and drinking should be prohibited in the application area. For personal protection see section 8. Dispose of rinse water in accordance with local and national regulations.

Conditions for safe storage: Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Electrical installations / working materials must comply with the technological safety standards.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Value type (Form of exposure)</th>
<th>Control parameters / Permissible concentration</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates (Petroleum), Hydrotreated Middle</td>
<td>64742-46-7</td>
<td>REL</td>
<td>5 mg/m³ Mist.</td>
<td>NIOSH/GUIDE</td>
</tr>
<tr>
<td>Substance</td>
<td>STEL</td>
<td>NIOSH/GUIDE</td>
<td>PEL</td>
<td>NIOSH/GUIDE</td>
</tr>
<tr>
<td>------------------------------------------------</td>
<td>---------</td>
<td>-------------</td>
<td>---------</td>
<td>-------------</td>
</tr>
<tr>
<td>HYDROTREATED LIGHT PARAFFINIC DISTILLATE 64742-55-8</td>
<td>REL</td>
<td>NIOSH/GUIDE</td>
<td>PEL</td>
<td>NIOSH/GUIDE</td>
</tr>
<tr>
<td>STEL</td>
<td>10 mg/m³ Mist.</td>
<td>ACGIH</td>
<td>5 mg/m³ Mist.</td>
<td>OSHA_TRANS</td>
</tr>
</tbody>
</table>

**Engineering measures**: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

**Personal protective equipment**

**Respiratory protection**: A NIOSH-approved air-purifying respirator with an appropriate cartridge and/or filter may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits (if applicable) or if overexposure has otherwise been determined. Protection provided by air-purifying respirators is limited. Use a positive pressure, air-supplied respirator if there is any potential for uncontrolled release, exposure levels are not known or any other circumstances where an air-purifying respirator may not provide adequate protection.

**Hand protection**

Remarks: The suitability for a specific workplace should be discussed with the producers of the protective gloves.

**Eye protection**

Remarks: Wear chemical splash goggles when there is the potential for exposure of the eyes to liquid, vapor or mist.

**Skin and body protection**

Remarks: Wear as appropriate: impervious clothing. Safety shoes. Choose body protection according to the amount and concentration of the dangerous substance at the work place. Discard gloves that show tears, pinholes, or signs of wear. Wear resistant gloves (consult your safety equipment supplier).

**Hygiene measures**

Remarks: Wash hands before breaks and at the end of workday. When using do not eat or drink. When using do not smoke.
SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state : liquid
Odour : No data available
Odour Threshold : No data available
pH : No data available
Melting point/freezing point : No data available
Boiling point/boiling range : No data available
Flash point : 262 °F / 128 °C  
Calculated Flash Point
Evaporation rate : No data available
Flammability (solid, gas) : No data available
Upper explosion limit : 6 %(V)  
GLP: Calculated Explosive Limit
Lower explosion limit : 1 %(V)  
GLP: Calculated Explosive Limit
Vapour pressure : 0.0133333 hPa (21.11 °C)  
Calculated Vapor Pressure
Relative vapour density : No data available
Relative density : No data available
Density : 0.842 g/cm³
Solubility(ies)  
Water solubility : No data available
Solubility in other solvents : No data available
Partition coefficient: n-octanol/water : No data available
Thermal decomposition : No data available
Viscosity  
Viscosity, dynamic : No data available
Viscosity, kinematic : > 20.5 mm²/s (40 °C)
Oxidizing properties : No data available
SECTION 10. STABILITY AND REACTIVITY

Reactivity : No decomposition if stored and applied as directed.
Chemical stability : Stable under recommended storage conditions.
Possibility of hazardous reactions : Product will not undergo hazardous polymerization.
Conditions to avoid : excessive heat
Incompatible materials : Strong oxidizing agents
Hazardous decomposition products : carbon dioxide and carbon monoxide
Hydrocarbons

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : Inhalation
Skin contact
Eye Contact
Ingestion

Acute toxicity
Not classified based on available information.

Components:
HEAVY PARAFFINIC DISTILLATE:
Acute oral toxicity : LD 50 (Rat): > 15 g/kg
Acute dermal toxicity : LD 50 (Rabbit): > 5 g/kg

Distillates (Petroleum), Hydrotreated Middle:
Acute oral toxicity : LD 50 (Rat): > 5,000 mg/kg
Acute inhalation toxicity : Remarks: Slightly toxic by inhalation

PHOSPHORODITHIOIC ACID:
Acute oral toxicity : LD50 (Rat): 3,100 mg/kg
Method: OECD Test Guideline 401

PHOSPHOROUS ACID, TRIPHENYL ESTER:
Acute oral toxicity : LD50 (Rat, male): 1.59 g/kg
Method: OECD Test Guideline 401
Acute inhalation toxicity: LC 50 (Rat): > 6.7 mg/l
Exposure time: 1 h
Method: OECD Test Guideline 403
Remarks: Aerosol

Acute dermal toxicity: LD50 (Rabbit): > 2 - < 5 g/kg
Method: OECD Test Guideline 402

Skin corrosion/irritation
Not classified based on available information.

**Product:**
Remarks: May cause skin irritation in susceptible persons.

Result: Repeated exposure may cause skin dryness or cracking.

**Components:**

**HEAVY PARAFFINIC DISTILLATE:**
Result: Mildly irritating to skin

Distillates (Petroleum), Hydrotreated Middle:
Result: Mildly irritating to skin

**HYDROTREATED LIGHT PARAFFINIC DISTILLATE:**
Result: Mildly irritating to skin

**POLYMER:**
Result: Not irritating to skin

**ALKYL IMIDAZOLINE:**
Result: Possibly irritating to skin

**PHOSPHORODITHIOIC ACID:**
Result: Mildly irritating to skin

**PHOSPHOROUS ACID, TRIPHENYL ESTER:**
Result: Severely irritating to skin

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

**Product:**
Remarks: Vapours may cause irritation to the eyes, respiratory system and the skin., Causes serious eye irritation.

**Components:**

**HEAVY PARAFFINIC DISTILLATE:**
Result: Not irritating to eyes

Distillates (Petroleum), Hydrotreated Middle:
Result: Mildly irritating to eyes

**HYDROTREATED LIGHT PARAFFINIC DISTILLATE:**
Result: Mildly irritating to eyes
POLYMER:
Result: Irritating to eyes

ALKYL IMIDAZOLINE:
Result: Irritating to eyes

PHOSPHORODITHIOIC ACID:
Result: Corrosive to eyes

POLYMER:
Result: Irritating to eyes

PHOSPHOROUS ACID, TRIPHENYL ESTER:
Result: Irritating to eyes

**Respiratory or skin sensitisation**
Skin sensitisation: May cause an allergic skin reaction.
Respiratory sensitisation: Not classified based on available information.

**Components:**

POLYMER:
Assessment: May cause sensitisation by skin contact.
Result: May cause sensitization by skin contact.

PHOSPHORODITHIOIC ACID:
Result: Did not cause sensitisation on laboratory animals.

POLYMER:
Assessment: May cause sensitization by skin contact.
Result: May cause sensitization by skin contact.

PHOSPHOROUS ACID, TRIPHENYL ESTER:
Test Type: Local lymph node assay
Species: Mouse
Assessment: The product is a skin sensitizer, sub-category 1A.

**Germ cell mutagenicity**
Not classified based on available information.

**Carcinogenicity**
Not classified based on available information.

**Reproductive toxicity**
Not classified based on available information.

**STOT - single exposure**
Not classified based on available information.

**STOT - repeated exposure**
Not classified based on available information.

**Aspiration toxicity**
Not classified based on available information.

**Components:**

HEAVY PARAFFINIC DISTILLATE:
May be fatal if swallowed and enters airways.

Distillates (Petroleum), Hydrotreated Middle:
May be fatal if swallowed and enters airways.
HYDROTREATED LIGHT PARAFFINIC DISTILLATE:
May be fatal if swallowed and enters airways.

Further information
Product: No data available

Carcinogenicity:
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity
Components:
HEAVY PARAFFINIC DISTILLATE:
  Toxicity to fish: LL50 (Fish): > 100 mg/l
  Toxicity to daphnia and other aquatic invertebrates: EL50 (Aquatic invertebrates): > 10,000 mg/l
  Toxicity to algae: EL50 (Algae, algal mat (Algae)): > 100 mg/l
  Toxicity to fish (Chronic toxicity): NOEC (Fish): 10 mg/l
  Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity): NOEC (Aquatic invertebrates): 10 mg/l

PHOSPHORODITHIOIC ACID:
  Toxicity to fish: LC50 (Oncorhynchus mykiss (rainbow trout)): 4.4 mg/l
    Exposure time: 96 h
    Test Type: semi-static test
    Test substance: WAF
    Method: OECD Test Guideline 203
  Toxicity to daphnia and other aquatic invertebrates: EL50 (Water flea (Daphnia magna)): 75 mg/l
    Exposure time: 48 h
    Test Type: static test
Test substance: WAF
Method: OECD Test Guideline 202

Toxicity to algae:
EL50 (Desmodesmus subspicatus (Scenedesmus subspicatus)): 410 mg/l
End point: Growth inhibition
Exposure time: 72 h
Test Type: static test
Test substance: WAF

Persistence and degradability
Components:
PHOSPHORODITHIOIC ACID:
Biodegradability: Result: Not biodegradable
Biodegradation: < 5 %
Exposure time: 27 d
Method: OECD Test Guideline 301D

Bioaccumulative potential
Components:
No data available

Mobility in soil
Components:
No data available

Other adverse effects
No data available

Product:
Additional ecological information:
An environmental hazard cannot be excluded in the event of unprofessional handling or disposal., Harmful to aquatic life with long lasting effects.

Components:

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods
General advice:
The product should not be allowed to enter drains, water courses or the soil.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Send to a licensed waste management company.

Dispose of in accordance with all applicable local, state and federal regulations.

Contaminated packaging:
Empty remaining contents.
Dispose of as unused product.
Empty containers should be taken to an approved waste
handling site for recycling or disposal.
Do not re-use empty containers.

### SECTION 14. TRANSPORT INFORMATION

**International transport regulations**

<table>
<thead>
<tr>
<th>REGULATION</th>
<th>ID NUMBER</th>
<th>PROPER SHIPPING NAME</th>
<th>*HAZARD CLASS</th>
<th>SUBSIDIARY HAZARDS</th>
<th>PACKING GROUP</th>
<th>MARINE POLLUTANT / LTD. QTY.</th>
</tr>
</thead>
<tbody>
<tr>
<td>U.S. DOT - ROAD</td>
<td>Not dangerous goods</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>U.S. DOT - RAIL</td>
<td>Not dangerous goods</td>
<td></td>
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</tr>
<tr>
<td>U.S. DOT - INLAND WATERWAYS</td>
<td>Not dangerous goods</td>
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<td></td>
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<tr>
<td>TRANSPORT CANADA - ROAD</td>
<td>Not dangerous goods</td>
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</tr>
<tr>
<td>TRANSPORT CANADA - RAIL</td>
<td>Not dangerous goods</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>TRANSPORT CANADA - INLAND WATERWAYS</td>
<td>Not dangerous goods</td>
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<td></td>
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<tr>
<td>INTERNATIONAL MARITIME DANGEROUS GOODS</td>
<td>Not dangerous goods</td>
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<tr>
<td>INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO</td>
<td>Not dangerous goods</td>
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</tr>
<tr>
<td>INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER</td>
<td>Not dangerous goods</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>MEXICAN REGULATION FOR THE LAND TRANSPORT OF HAZARDOUS MATERIALS AND WASTES</td>
<td>Not dangerous goods</td>
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</tr>
</tbody>
</table>
**ORM = ORM-D, CBL = COMBUSTIBLE LIQUID**

<table>
<thead>
<tr>
<th>Marine pollutant</th>
<th>no</th>
</tr>
</thead>
</table>

Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

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**SECTION 15. REGULATORY INFORMATION**

**SARA 311/312 Hazards**: Acute Health Hazard

**SARA 313 Component(s)**

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS Number</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHOSPHORODITHIOIC ACID</td>
<td>4259-15-8</td>
<td>1.47 %</td>
</tr>
</tbody>
</table>

**Pennsylvania Right To Know**

- HEAVY PARAFFINIC DISTILLATE 64742-54-7 50.00 - 70.00 %
- HEAVY PARAFFINIC DISTILLATE 64742-54-7 30.00 - 50.00 %
- LUBRICANT ADDITIVE Not Assigned 20.00 - 30.00 %
- Distillates (Petroleum), Hydrotreated Middle 64742-46-7 1.00 - 5.00 %
- HYDROTREATED LIGHT PARAFFINIC DISTILLATE 64742-55-8 1.00 - 5.00 %

**New Jersey Right To Know**

- HEAVY PARAFFINIC DISTILLATE 64742-54-7 50.00 - 70.00 %
- HEAVY PARAFFINIC DISTILLATE 64742-54-7 30.00 - 50.00 %
- LUBRICANT ADDITIVE Not Assigned 20.00 - 30.00 %
- Distillates (Petroleum), Hydrotreated Middle 64742-46-7 1.00 - 5.00 %
- HYDROTREATED LIGHT PARAFFINIC DISTILLATE 64742-55-8 1.00 - 5.00 %
- PHOSPHORODITHIOIC ACID 4259-15-8 1.00 - 5.00 %

**California Prop 65**

Proposition 65 warnings are not required for this product based on the results of a risk assessment.

**The components of this product are reported in the following inventories:**

- **TSCA**: On TSCA Inventory
DSL : All components of this product are on the Canadian DSL.
AUSTR : On the inventory, or in compliance with the inventory
ENCS : On the inventory, or in compliance with the inventory
KECL : On the inventory, or in compliance with the inventory
PICCS : On the inventory, or in compliance with the inventory
IECSC : Not in compliance with the inventory

Inventories
AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)

SECTION 16. OTHER INFORMATION

Further information
Revision Date: 05/23/2015

<table>
<thead>
<tr>
<th>NFPA: Flammability</th>
<th>HMIS III:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health 1</td>
<td>FLAMMABILITY 1</td>
</tr>
<tr>
<td>Physical Hazard 0</td>
<td>PHYSICAL HAZARD 0</td>
</tr>
</tbody>
</table>

NFPA Flammable and Combustible Liquids Classification
Combustible Liquid Class IIIB

Full text of H-Statements referred to under sections 2 and 3.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
Sources of key data used to compile the Safety Data Sheet
Ashland internal data including own and sponsored test reports
The UNECE administers regional agreements implementing harmonised classification for labelling (GHS) and transport.

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This SDS has been prepared by Ashland's Environmental Health and Safety Department (1-800-325-3751).

List of abbreviations and acronyms that could be, but not necessarily are, used in this safety data sheet:
- ACGIH: American Conference of Industrial Hygienists
- BEI: Biological Exposure Index
- CAS: Chemical Abstracts Service (Division of the American Chemical Society)
- CMR: Carcinogenic, Mutagenic or Toxic for Reproduction
- FG: Food grade
- GHS: Globally Harmonized System of Classification and Labeling of Chemicals
- H-statement: Hazard Statement
- IATA: International Air Transport Association
- IATA-DGR: Dangerous Goods Regulation by the “International Air Transport Association” (IATA)
- ICAO: International Civil Aviation Organization
- ICAO-TI (ICAO): Technical Instructions by the “International Civil Aviation Organization”
- IMDG: International Maritime Code for Dangerous Goods
- ISO: International Organization for Standardization
- logPow: octanol-water partition coefficient
- LCxx: Lethal Concentration, for xx percent of test population
- LDxx: Lethal Dose, for xx percent of test population
- ICxx: Inhibitory Concentration for xx of a substance
- Ecxx: Effective Concentration of xx
- N.O.S.: Not Otherwise Specified
- OECD: Organization for Economic Co-operation and Development
- OEL: Occupational Exposure Limit
- P-Statement: Precautionary Statement
- PBT: Persistent, Bioaccumulative and Toxic
- PPE: Personal Protective Equipment
- STEL: Short-term exposure limit
- STOT: Specific Target Organ Toxicity
- TLV: Threshold Limit Value
- TWA: Time-weighted average
- vPvB: Very Persistent and Very Bioaccumulative
- WEL: Workplace Exposure Level

CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act
DOT: Department of Transportation
FIFRA: Federal Insecticide, Fungicide, and Rodenticide Act
HMIRC: Hazardous Materials Information Review Commission
HMIS: Hazardous Materials Identification System
NFPA: National Fire Protection Association
NIOSH: National Institute for Occupational Safety and Health
<table>
<thead>
<tr>
<th>SAFETY DATA SHEET</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Revision Date:</td>
<td>05/23/2015</td>
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OSHA : Occupational Safety and Health Administration  
PMRA : Health Canada Pest Management Regulatory Agency  
RTK : Right to Know  
WHMIS : Workplace Hazardous Materials Information System