
SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier
Trade name : Enguard™ WS-0010 WAX SOLUTION ADDITIVE
™ Trademark, Ashland or its subsidiaries, registered in various countries
119964

Recommended use of the chemical and restrictions on use
Use of the Substance/Mixture : Industrial chemical

Details of the supplier of the safety data sheet
Ashland
P.O. Box 2219
Columbus, OH 43216
United States of America

EHS Customer Requests@ashland.com

Emergency telephone number
1-800-ASHLAND (1-800-274-5263)

Regulatory Information Number
1-800-325-3751

Product Information
614-790-3333

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification
Flammable liquids : Category 3
Acute toxicity (Inhalation) : Category 4
Skin irritation : Category 2
Eye irritation : Category 2A
Specific target organ systemic toxicity - single exposure : Category 3 (Respiratory system)
Specific target organ systemic toxicity - repeated exposure (Inhalation) : Category 1 (Auditory system)
Aspiration hazard : Category 1

GHS Label element
Hazard pictograms:

- Flammable liquid and vapor.
- May be fatal if swallowed and enters airways.
- Causes skin irritation.
- Causes serious eye irritation.
- Harmful if inhaled.
- May cause respiratory irritation.
- Causes damage to organs (Auditory system) through prolonged or repeated exposure if inhaled.

Signal Word: Danger

Hazard Statements:

- Flammable liquid and vapor.
- May be fatal if swallowed and enters airways.
- Causes skin irritation.
- Causes serious eye irritation.
- Harmful if inhaled.
- May cause respiratory irritation.
- Causes damage to organs (Auditory system) through prolonged or repeated exposure if inhaled.

Precautionary Statements:

Prevention:
- Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
- Keep container tightly closed.
- Ground/bond container and receiving equipment.
- Use explosion-proof electrical/ventilating/lighting/equipment.
- Use only non-sparking tools.
- Take precautionary measures against static discharge.
- Do not breathe dust/fume/gas/mist/vapors/spray.
- Wash skin thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Use only outdoors or in a well-ventilated area.
- Wear protective gloves/eye protection/face protection.

Response:
- IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Get medical advice/attention if you feel unwell.
- Do NOT induce vomiting.
- If skin irritation occurs: Get medical advice/attention.
- If eye irritation persists: Get medical advice/attention.
- Take off contaminated clothing and wash before reuse.
- In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Storage:
- Store in a well-ventilated place. Keep container tightly closed.
- Store in a well-ventilated place. Keep cool.
- Store locked up.

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

Other hazards
None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture
Chemical nature : Static Accumulator
Chemical nature : Aspiration hazard
Chemical nature : Defatter

Hazardous components

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Classification</th>
<th>Concentration (%)</th>
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<tbody>
<tr>
<td>STYRENE</td>
<td>100-42-5</td>
<td>Flam. Liq. 3; H226</td>
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<td>Acute Tox. 4; H332</td>
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<td>Skin Irrit. 2; H315</td>
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<td>Eye Irrit. 2A; H319</td>
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<td>STOT SE 3; H335</td>
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<td></td>
<td></td>
<td>STOT RE 1; H372</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>Asp. Tox. 1; H304</td>
<td></td>
</tr>
</tbody>
</table>

SECTION 4. FIRST AID MEASURES

General advice : Move out of dangerous area. Call a POISON CENTRE or doctor/physician if exposed or you feel unwell. Show this safety data sheet to the doctor in attendance. Symptoms of poisoning may appear several hours later. Do not leave the victim unattended.

If inhaled : Move to fresh air. IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell. Keep patient warm and at rest. If unconscious place in recovery position and seek medical
**SAFETY DATA SHEET**

**Enguard™ WS-0010 WAX SOLUTION ADDITIVE**

Trademark, Ashland or its subsidiaries, registered in various countries 119964

**Revision Date:** 05/10/2015  
**Print Date:** 6/15/2015  
**SDS Number:** R0376220  
**Version:** 1.0

### In case of skin contact
- Remove contaminated clothing. If irritation develops, get medical attention.  
- If on skin, rinse well with water.  
- Wash contaminated clothing before re-use.  
- If on clothes, remove clothes.

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

### If swallowed
- Obtain medical attention.  
- Do NOT induce vomiting.  
- 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
- Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include:  
  - stomach or intestinal upset (nausea, vomiting, diarrhea)  
  - irritation (nose, throat, airways)  
  - confusion  
  - May be fatal if swallowed and enters airways.  
  - Causes skin irritation.  
  - Causes serious eye irritation.  
  - Harmful if inhaled.  
  - May cause respiratory irritation.  
  - Causes damage to organs through prolonged or repeated exposure if inhaled.

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

### SECTION 5. FIREFIGHTING MEASURES

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

| Unsuitable extinguishing media | High volume water jet |

| Specific hazards during firefighting | Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively. Beware of vapours accumulating to form explosive |
concentrations. Vapours can accumulate in low areas. Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products: Hydrocarbons, carbon dioxide and carbon monoxide

Specific extinguishing methods:

Product is compatible with standard fire-fighting agents.

Further information: Polymerization will take place under fire conditions. If polymerization occurs in a closed container, there is a possibility it will rupture violently. Cool storage container with water, if exposed to fire.

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Use a water spray to cool fully closed containers.

Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Evacuate personnel to safe areas. Remove all sources of ignition. Use personal protective equipment. Ensure adequate ventilation. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. 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: 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).

Other information: Comply with all applicable federal, state, and local regulations. Suppress (knock down) gases/vapours/mists with a water spray jet.
SECTION 7. HANDLING AND STORAGE

Advice on safe handling:
- Open drum carefully as content may be under pressure.
- Avoid formation of aerosol.
- Provide sufficient air exchange and/or exhaust in work rooms.
- Do not breathe vapours/dust.
- Do not smoke.
- Dispose of rinse water in accordance with local and national regulations.
- Container hazardous when empty.
- Take precautionary measures against static discharges.
- 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.

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.
- Observe label precautions.
- No smoking.
- 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>
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<tbody>
<tr>
<td>STYRENE</td>
<td>100-42-5</td>
<td>TWA</td>
<td>20 ppm</td>
<td>ACGIH</td>
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<tr>
<td></td>
<td></td>
<td>STEL</td>
<td>40 ppm</td>
<td>ACGIH</td>
</tr>
<tr>
<td></td>
<td></td>
<td>REL</td>
<td>50 ppm / 215 mg/m3</td>
<td>NIOSH/GUID E</td>
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<tr>
<td></td>
<td></td>
<td>STEL</td>
<td>100 ppm / 425 mg/m3</td>
<td>NIOSH/GUID E</td>
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<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>100 ppm</td>
<td>OSHA/Z2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Ceiling</td>
<td>200 ppm</td>
<td>OSHA/Z2</td>
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<tr>
<td></td>
<td></td>
<td>MAX. CONC</td>
<td>600 ppm</td>
<td>OSHA/Z2</td>
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</table>

Biological occupational exposure limits

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Control parameters</th>
<th>Biological specimen</th>
<th>Sampling time</th>
<th>Permissible concentration</th>
<th>Basis</th>
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</thead>
<tbody>
<tr>
<td>STYRENE</td>
<td>100-42-5</td>
<td>styrene</td>
<td>Venous</td>
<td>Sampling time</td>
<td>0.2 mg/l</td>
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</table>
Remarks: Semi-quantitative

<table>
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<tr>
<th>Blood</th>
<th>g time: End of shift.</th>
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</thead>
<tbody>
<tr>
<td>Mandelic acid plus phenylglyoxylic acid</td>
<td></td>
</tr>
<tr>
<td>Creatinine in urine</td>
<td>Samplin g time: End of shift.</td>
</tr>
</tbody>
</table>

Remarks: Nonspecific

**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**: In the case of vapour formation use a respirator with an approved filter.

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

**Skin and body protection**: Wear as appropriate: impervious clothing, Safety shoes, Flame-resistant clothing, 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.

**Hygiene measures**: 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 : aromatic
   No data available
Boiling point/boiling range : 293 °F / 145 °C
Flash point : 84 °F / 29 °C
   Method: Seta closed cup
Flammability (liquids) : Static Accumulating liquid
Upper explosion limit : 6.1 %(V)
Lower explosion limit : 1.1 %(V)
Vapour pressure : 8.53248 hPa (25 °C)
   Calculated Vapor Pressure
Density : 0.89 g/cm³ (25 °C)

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 : Hazardous polymerisation may occur.
   Vapours may form explosive mixture with air.
Conditions to avoid : Exposure to air.
   Exposure to sunlight.
   Heat, flames and sparks.
Incompatible materials : Acids
   aluminum
   aluminum chloride
   Bases
   Copper
   Copper alloys
   halogens
   iron chloride
   metal salts
   Strong oxidizing agents
   Peroxides
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**
Harmful if inhaled.

**Components:**

**STYRENE:**
- Acute oral toxicity: LD50 Oral (Rat): > 2,000 mg/kg
- Acute inhalation toxicity: LC 50 (Rat): 11.8 mg/l, 2770 ppm
  - Exposure time: 4 h
  - Test atmosphere: vapour

No observed adverse effect level (Humans): 100 ppm
- Exposure time: 7 h
- Test atmosphere: vapour

**Acute dermal toxicity**: LD 50 (Rat): > 2,000 mg/kg
- Method: OECD Test Guideline 402
- Assessment: No adverse effect has been observed in acute dermal toxicity tests.

**Skin corrosion/irritation**
Causes skin irritation.

**Product:**
Remarks: May cause skin irritation and/or dermatitis.

Result: Repeated exposure may cause skin dryness or cracking.

**Components:**

**STYRENE:**
- Species: Rabbit
- Result: 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:**

**STYRENE:**
- Result: Irritating to eyes
- Remarks: Vapour during processing may be irritating to the respiratory tract and to the eyes.
Respiratory or skin sensitisation
Skin sensitisation: Not classified based on available information.
Respiratory sensitisation: Not classified based on available information.

Components:
STYRENE:
Exposure routes: Skin contact
Species: Guinea pig
Assessment: Does not cause skin sensitisation.
Result: negative

Exposure routes: inhalation (vapour)
Species: Humans
Assessment: Does not cause respiratory sensitisation.
Result: negative

Germ cell mutagenicity
Not classified based on available information.

Carcinogenicity
Not classified based on available information.

Product:
Carcinogenicity: Styrene has been tested for carcinogenicity in rats and mice. Styrene caused lung tumors in mice only. These tumors are not considered to be relevant to humans.

Reproductive toxicity
Not classified based on available information.

STOT - single exposure
May cause respiratory irritation.

Components:
STYRENE:
Assessment: May cause respiratory irritation.

STOT - repeated exposure
Causes damage to organs (Auditory system) through prolonged or repeated exposure if inhaled.

Components:
STYRENE:
Exposure routes: inhalation (vapour)
Target Organs: Auditory system
Assessment: Causes damage to organs through prolonged or repeated exposure.

Repeated dose toxicity

Components:
STYRENE:
Species: Human
85 mg/m3
Application Route: inhalation (vapour)

Species: Human
615 mg/kg
Application Route: Skin contact
Aspiration toxicity
May be fatal if swallowed and enters airways.

Product:
May be fatal if swallowed and enters airways.

Components:
STYRENE:
May be fatal if swallowed and enters airways.

Further information
Product:
Remarks: Solvents may degrease the skin.

Carcinogenicity:
IARC
Group 2B: Possibly carcinogenic to humans

STYRENE 100-42-5

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
Reasonably anticipated to be a human carcinogen

STYRENE 100-42-5

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:
STYRENE:

Toxicity to fish
LC 50 (Pimephales promelas (fathead minnow)): 4.02 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates
EC 50 (Water flea (Daphnia magna)): 4.7 mg/l
Exposure time: 48 h

Toxicity to algae
ErC50 (Pseudokirchneriella subcapitata (green algae)): 4.9 mg/l
Exposure time: 72 h

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)
NOEC (Water flea (Daphnia magna)): 1.01 mg/l
Exposure time: 21 d

Toxicity to bacteria
EC 50 (activated sludge): ca. 500 mg/l
Exposure time: 0.5 h

Toxicity to soil dwelling
NOEC (Eisenia fetida (earthworms)): 34 mg/kg
organisms

Exposure time: 14 d
Method: OECD Test Guideline 207

Persistence and degradability

Components:

STYRENE:

Biodegradability
Result: Readily biodegradable
Biodegradation: > 60 %
Exposure time: 10 d

Bioaccumulative potential

Components:

STYRENE:

Bioaccumulation
Bioconcentration factor (BCF): < 100

Partition coefficient: n-octanol/water
log Pow: 2.96 (25 °C)

Mobility in soil

Components:

STYRENE:

Distribution among environmental compartments
Koc: 352

Other adverse effects

Product:

Additional ecological information
An environmental hazard cannot be excluded in the event of unprofessional handling or disposal., Toxic to aquatic life.

Components:

STYRENE:

Results of PBT and vPvB assessment
This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

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. 
Do not burn, or use a cutting torch on, the empty drum.

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>
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</thead>
<tbody>
<tr>
<td><strong>U.S. DOT - ROAD</strong></td>
<td>UN 1993</td>
<td>Flammable liquids, n.o.s. (STYRENE)</td>
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<td>UN 1993</td>
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<tr>
<td><strong>U.S. DOT - INLAND WATERWAYS</strong></td>
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<td><strong>TRANSPORT CANADA - ROAD</strong></td>
<td>UN 1993</td>
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<tr>
<td><strong>TRANSPORT CANADA - INLAND WATERWAYS</strong></td>
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<td>FLAMMABLE LIQUID, N.O.S. (STYRENE)</td>
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<td>III</td>
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</tbody>
</table>

INTERNATIONAL MARITIME DANGEROUS GOODS
UN 1993 FLAMMABLE LIQUID, N.O.S. 3 III
(STYRENE)

INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO
UN 1993 Flammable liquid, n.o.s. 3 III
(STYRENE)

INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER
UN 1993 Flammable liquid, n.o.s. 3 III
(STYRENE)

MEXICAN REGULATION FOR THE LAND TRANSPORT OF HAZARDOUS MATERIALS AND WASTES
UN 1993 LIQUIDO INFLAMABLE, N.E.P. 3 III
(STYRENE)

ORM = ORM-D, CBL = COMBUSTIBLE LIQUID

Marine pollutant | no

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.

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Component RQ (lbs)</th>
<th>Calculated product RQ (lbs)</th>
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<tbody>
<tr>
<td>STYRENE</td>
<td>100-42-5</td>
<td>1000</td>
<td>1111.111111</td>
</tr>
</tbody>
</table>

SARA 311/312 Hazards: Reactivity Hazard
Fire Hazard
Acute Health Hazard
Chronic Health Hazard

SARA 313 Component(s)

| STYRENE | 100-42-5 | 90.00 % |

California Prop 65
WARNING! This product contains a chemical known to the State of California to cause cancer.
BENZENE 71-43-2

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

BENZENE 71-43-2

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.
- AUSTRI: 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: On the inventory, or 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: 05/10/2015

NFPA:

<table>
<thead>
<tr>
<th>Health</th>
<th>Flammability</th>
<th>Instability</th>
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<tbody>
<tr>
<td>2</td>
<td>3</td>
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HMSC III:

<table>
<thead>
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<th>HEALTH</th>
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<tbody>
<tr>
<td>FLAMMABILITY</td>
<td>3</td>
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<tr>
<td>PHYSICAL HAZARD</td>
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</tr>
</tbody>
</table>

0 = not significant, 1 = Slight, 2 = Moderate, 3 = High, 4 = Extreme, * = Chronic

NFPA Flammable and Combustible Liquids Classification
Flammable Liquid Class IC
Full text of H-Statements referred to under sections 2 and 3.

H226 Flammable liquid and vapor.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.

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
OSHA : Occupational Safety and Health Administration
PMRA : Health Canada Pest Management Regulatory Agency
RTK : Right to Know
WHMIS : Workplace Hazardous Materials Information System