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29 CFR 1910.1200 (OSHA HazCom 2012)

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

**Product identifier**

Trade name : Cerasynt™ 945 ester  
™ Trademark, Ashland or its subsidiaries, registered in various countries

**Relevant identified uses of the substance or mixture and uses advised against**

Recommended use : Cosmetics  
Personal care

<b>Details of the supplier of the safety data sheet</b> Ashland P.O. Box 2219 Columbus, OH 43216 United States of America (USA) 1-614-790-3333  EHSProductSafety@ashland.com	<b>Emergency telephone number</b> 1-800-ASHLAND (1-800-274-5263)  <b>Regulatory information</b> 1-614-790-3333 (customer service)  <b>Product Information</b> 1-614-790-3333
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**SECTION 2. HAZARDS IDENTIFICATION**

**GHS Classification**

Combustible Dust :

**GHS label elements**

Signal Word : Warning

Hazard Statements : May form combustible dust concentrations in air.

Precautionary Statements : **Prevention:**  
Keep dust/air mixtures away from ignition sources.

**Other hazards**



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None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Chemical nature : organic

#### Hazardous components

Chemical name	CAS-No.	Classification	Concentration (%)
ALCOHOL	254504001-5838	This material is not considered hazardous under the OSHA Hazard Communication Standard (HazCom 2012).	>= 5.00 - < 10.00

The identity and concentration of one or more component(s) is being withheld under business confidentiality.

LAURYL ALCOHOL EO POLYETHOXYLATE	9002-92-0	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318	13.00
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### SECTION 4. FIRST AID MEASURES

- General advice : No hazards which require special first aid measures.
- 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 : First aid is not normally required. However, it is recommended that exposed areas be cleaned by washing with soap and water.
- In case of eye contact : Remove contact lenses.  
Protect unharmed eye.



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

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## SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Water spray  
Foam
- Specific hazards during firefighting : Organic dusts at sufficient concentration can form explosive mixtures in air.  
Do not allow run-off from fire fighting to enter drains or water courses.
- Hazardous combustion products : Carbon dioxide (CO<sub>2</sub>)  
Carbon monoxide  
Nitrogen oxides (NO<sub>x</sub>)  
Aldehydes
- Specific extinguishing methods : Product is compatible with standard fire-fighting agents.
- Further information : Standard procedure for chemical fires.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

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## SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, : Avoid dust formation.



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protective equipment and emergency procedures	Avoid breathing dust. Material can create slippery conditions. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.
Environmental precautions	: Prevent further leakage or spillage if safe to do so.
Methods and materials for containment and cleaning up	: Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.
Other information	: Comply with all applicable federal, state, and local regulations.

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## SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion	: Take measures to prevent the build up of electrostatic charge. Provide appropriate exhaust ventilation at places where dust is formed.
Advice on safe handling	: Avoid dust formation. Ensure all equipment is electrically grounded and bonded before beginning transfer operations. The material can accumulate static charge and can therefore cause electrical ignition of flammable atmospheres. Smoking, eating and drinking should be prohibited in the application area. For personal protection see section 8. Maintain good housekeeping. Do not permit dust layers to accumulate, for example, on floors, ledges, and equipment, in order to avoid any potential for dust explosion hazards.  For further guidance on prevention of dust explosions, refer to National Fire Protection Association (NFPA) 654: "Standard for the Prevention of Fire and Dust Explosions, from the Manufacturing, Processing and Handling of Combustible Particulate Solids".
Conditions for safe storage	: No smoking.
Materials to avoid	: No materials to be especially mentioned.
Further information on storage stability	: No decomposition if stored and applied as directed.



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## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

ALCOHOL	254504001-5838	TWA	5 mg/m3 mist, respirable fraction	OSHA Z-1
		TWA	15 mg/m3 mist, total dust	OSHA Z-1
		PEL	10 mg/m3 Mist - total fraction	CAL PEL
		PEL	5 mg/m3 Mist - respirable fraction	CAL PEL
		TWA	10 mg/m3 Mist - total dust	OSHA P0
		TWA	5 mg/m3 Mist - respirable fraction	OSHA P0

The identity and concentration of one or more component(s) is being withheld under business confidentiality.

### Hazardous components without workplace control parameters

Components	CAS-No.
LAURYL ALCOHOL EO POLYETHOXYLATE	9002-92-0

**Engineering measures** : Provide appropriate exhaust ventilation at places where dust is formed.  
General room ventilation should be adequate for normal conditions of use. However, if unusual operating conditions exist, 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 dust or aerosol formation use respirator with an approved filter within the capabilities of the respirator/filter combination.  
Where concentrations are above recommended limits or are unknown, or a cartridge type respirator is not adequate, wear a positive-pressure supplied-air respirator.

**Hand protection**  
**Material** : butyl-rubber



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Break through time : 480 min  
Glove thickness : > 0.5 mm

Remarks : The exact break through time can be obtained from the protective glove producer and this has to be observed. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Eye protection : Safety glasses

Skin and body protection : Wear as appropriate:  
Safety shoes  
Wear resistant gloves (consult your safety equipment supplier).

Hygiene measures : Avoid breathing dust.

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## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : flakes  
solid

Physical state : solid

Colour : white, off-white

Odour : mild

Odour Threshold : No data available

pH : Not applicable

Melting point/freezing point : 126 - 131 °F / 52 - 55 °C

Boiling point/boiling range : not determined

Flash point : 249 °C

Evaporation rate : Not applicable

Flammability (solid, gas) : not determined

Upper explosion limit : Upper explosion limit  
not determined

Lower explosion limit : Lower explosion limit



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Vapour pressure	: not determined : Not applicable
Relative vapour density	: Not applicable
Relative density	: No data available
Density	: not determined
Solubility(ies)	
Water solubility	: slightly soluble
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: not determined
Thermal decomposition	: No data available
Viscosity	
Viscosity, dynamic	: Not applicable
Viscosity, kinematic	: Not applicable
Oxidizing properties	: Not applicable

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## 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	: Dust may form explosive mixture in air.
Conditions to avoid	: Keep away from heat, flame, sparks and other ignition sources.  Keep away from heat, flame, sparks and other ignition sources. excessive heat
Incompatible materials	: Strong acids Strong bases Strong oxidizing agents



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Hazardous decomposition  
products

Carbon monoxide  
Carbon dioxide (CO<sub>2</sub>)  
Carbon oxides  
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.

#### **Product:**

Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg  
Method: OECD Test Guideline 401  
Assessment: Not classified as acutely toxic by ingestion under GHS.  
Remarks: Information given is based on data obtained from similar substances.

LD50 (Rat): > 5,000 mg/kg  
Test substance: 20% concentration

Acute inhalation toxicity : LC50 (Rat, male): > 1.86 mg/l  
Exposure time: 6 h  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403  
Remarks: Information given is based on data obtained from similar substances.

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg  
Assessment: Not classified as acutely toxic by dermal absorption under GHS.  
Remarks: Information given is based on data obtained from similar substances.

#### **Components:**

##### ALCOHOL:

Acute oral toxicity : LD50 (Rat): 12,600 mg/kg  
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rat): > 570 mg/m<sup>3</sup>





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Exposure time: 1 h  
 Test atmosphere: vapour  
 Assessment: Not classified as acutely toxic by inhalation  
 under GHS.

Acute dermal toxicity : LD50 (Rabbit): > 10 g/kg

**Components:**

LAURYL ALCOHOL EO POLYETHOXYLATE:

Acute oral toxicity : LD50 (Mouse): 1,170 mg/kg

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg

Assessment: No adverse effect has been observed in acute  
 dermal toxicity tests.

**Skin corrosion/irritation**

Not classified based on available information.

**Product:**

Species: Rabbit

Method: OECD Test Guideline 404

Result: No skin irritation

Result: No skin irritation

Test substance: 20% concentration

**Components:**

ALCOHOL:

Result: No skin irritation

**Components:**

LAURYL ALCOHOL EO POLYETHOXYLATE:

Result: Irritating to skin.

**Serious eye damage/eye irritation**

Not classified based on available information.

**Product:**

Species: Rabbit

Result: No eye irritation

Method: OECD Test Guideline 405

Result: No eye irritation

Test substance: 20% concentration



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Remarks: Unlikely to cause eye irritation or injury., Product dust may be irritating to eyes, skin and respiratory system.

**Components:**

ALCOHOL:

Result: Slight, transient irritation

**Components:**

LAURYL ALCOHOL EO POLYETHOXYLATE:

Result: Corrosive

**Respiratory or skin sensitisation**

Skin sensitisation: Not classified based on available information.

Respiratory sensitisation: Not classified based on available information.

**Product:**

Test Type: Maximisation Test

Species: Guinea pig

Assessment: Did not cause sensitisation on laboratory animals.

Method: OECD Test Guideline 406

Result: Did not cause sensitisation on laboratory animals.

**Components:**

LAURYL ALCOHOL EO POLYETHOXYLATE:

Assessment: Did not cause sensitisation on laboratory animals.

Germ cell mutagenicity

Not classified based on available information.

**Product:**

Genotoxicity in vitro

- : Test Type: Ames test  
Test species: Salmonella typhimurium  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 471  
Result: negative  
Remarks: Information given is based on data obtained from similar substances.
- : Test Type: Chromosome aberration test in vitro  
Test species: Chinese hamster ovary cells  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 473  
Result: negative  
Remarks: Information given is based on data obtained from similar substances.
- : Test Type: In vitro mammalian cell gene mutation test  
Test species: Chinese hamster ovary cells  
Metabolic activation: with and without metabolic activation



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Method: OECD Test Guideline 476

Result: negative

Remarks: Information given is based on data obtained from similar substances.

Genotoxicity in vivo : Test Type: Micronucleus test  
Test species: Mouse  
Cell type: Bone marrow  
Method: OECD Test Guideline 474  
Result: negative  
Remarks: Information given is based on data obtained from similar substances.

**Components:**

LAURYL ALCOHOL EO POLYETHOXYLATE:

Genotoxicity in vitro : Remarks: In vitro tests did not show mutagenic effects

Genotoxicity in vivo : Result: In vivo tests did not show any chromosomal changes.

**Carcinogenicity**

Not classified based on available information.

**Reproductive toxicity**

Not classified based on available information.

**Product:**

Effects on fertility : Species: Rat  
General Toxicity - Parent: No observed adverse effect level:  
1,000 mg/kg bw/day  
Method: OECD Test Guideline 422

Effects on foetal development : Species: Rat  
General Toxicity Maternal: No observed adverse effect level:  
1,000 mg/kg bw/day  
Method: OECD Test Guideline 422  
Remarks: Information given is based on data obtained from similar substances.

**STOT - single exposure**

Not classified based on available information.


**STOT - repeated exposure**

Not classified based on available information.

**Repeated dose toxicity**

**Product:**

Species: Rat, male and female  
NOAEL: ca. 5,000 mg/kg  
Application Route: Oral  
Exposure time: 90-day  
Method: OECD Test Guideline 408

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Remarks: Information given is based on data obtained from similar substances.

**Aspiration toxicity**

Not classified based on available information.

**Further information**

**Product:**

Remarks: 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 on OSHA's list of regulated carcinogens.

**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**

**Product:**

Toxicity to fish : LC0 (Danio rerio (zebra fish)): >= 10,000 mg/l  
Exposure time: 96 h  
Test Type: semi-static test  
Method: ISO 7346/1  
Remarks: Information given is based on data obtained from similar substances.

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 100 mg/l  
Exposure time: 48 h  
Test Type: static test  
Method: Regulation (EC) No. 440/2008, Annex, C.2  
Remarks: Nominal  
Information given is based on data obtained from similar substances.

EC50 (Daphnia magna (Water flea)): > 0.01 mg/l  
Exposure time: 48 h  
Test Type: static test  
Method: Regulation (EC) No. 440/2008, Annex, C.2  
Remarks: Measured value  
No toxicity at the limit of solubility



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Information given is based on data obtained from similar substances.

Toxicity to algae : EC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l  
End point: Growth inhibition  
Exposure time: 72 h  
Test Type: static test  
Method: Regulation (EC) No. 440/2008, Annex, C.3  
Remarks: Nominal  
Information given is based on data obtained from similar substances.

EC50 (Desmodesmus subspicatus (green algae)): > 0.01 mg/l  
End point: Growth inhibition  
Exposure time: 72 h  
Test Type: static test  
Method: Regulation (EC) No. 440/2008, Annex, C.3  
Remarks: Measured value  
No toxicity at the limit of solubility  
Information given is based on data obtained from similar substances.

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): >= 0.01 mg/l  
Exposure time: 21 d  
Test Type: semi-static test  
Method: OECD Test Guideline 211  
Remarks: No toxicity at the limit of solubility  
Information given is based on data obtained from similar substances.

Ecotoxicology Assessment Short-term (acute) aquatic hazard : Not classified based on available information.

Long-term (chronic) aquatic hazard : Not classified based on available information.

**Components:**

**ALCOHOL:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 54,000 mg/l  
Exposure time: 96 h  
Test Type: static test

Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia magna (Water flea)): 1,995 mg/l  
Exposure time: 48 h

LAURYL ALCOHOL EO POLYETHOXYLATE:



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Toxicity to fish : LC50 (Cyprinus carpio (Carp)): 1.4 mg/l  
Exposure time: 96 h  
Test Type: static test

Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia magna (Water flea)): 4.78 - 7.58 mg/l  
Exposure time: 48 h  
Test Type: static test

Toxicity to algae : EC50 (Desmodesmus subspicatus (green algae)): Estimated 2.5 mg/l  
Exposure time: 72 h  
Test Type: static test

#### **Persistence and degradability**

##### **Product:**

Biodegradability : Result: Readily biodegradable.  
Remarks: Expert judgement

##### **Components:**

###### **ALCOHOL:**

Biodegradability : Result: Readily biodegradable.  
Biodegradation: 94 %

###### **LAURYL ALCOHOL EO POLYETHOXYLATE:**

Biodegradability : Result: Readily biodegradable.

No data available

#### **Bioaccumulative potential**

##### **Components:**

###### **ALCOHOL:**

Partition coefficient: n-octanol/water : log Pow: -1.76

###### **LAURYL ALCOHOL EO POLYETHOXYLATE:**

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

No data available

#### **Mobility in soil**

##### **Product:**

Distribution among environmental compartments : log Koc: 2.5 - 8.7  
Remarks: The value is given based on a SAR/AAR approach using OECD Toolbox, DEREK, VEGA QSAR models (CAESAR models), etc.

##### **Components:**

#### **Other adverse effects**

No data available

##### **Product:**

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Additional ecological information : No data available

**Components:****SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

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

Contaminated packaging : Empty remaining contents.

**SECTION 14. TRANSPORT INFORMATION****International transport regulations****REGULATION**

ID NUMBER	PROPER SHIPPING NAME	*HAZARD CLASS	SUBSIDIARY HAZARDS	PACKING GROUP	MARINE POLLUTANT / LTD. QTY.
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**U.S. DOT - ROAD**

Not dangerous goods
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**CFR\_RAIL\_C**

Not dangerous goods
---------------------

**U.S. DOT - INLAND WATERWAYS**

Not dangerous goods
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**TDG\_ROAD\_C**

Not dangerous goods
---------------------

**TDG\_RAIL\_C**

Not dangerous goods
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**TDG\_INWT\_C**

Not dangerous goods
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**INTERNATIONAL MARITIME DANGEROUS GOODS**

Not dangerous goods

**INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO**

Not dangerous goods

**INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER**

Not dangerous goods

**MX\_DG**

Not dangerous goods

**\*ORM = ORM-D, CBL = COMBUSTIBLE LIQUID**

Marine pollutant	no
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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****TSCA list**

No substances are subject to TSCA 12(b) export notification requirements.

**EPCRA - Emergency Planning and Community Right-to-Know Act****CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards** : Combustible Dust





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**SARA 302** : This material does not contain any components with a section 302 EHS TPQ.

**SARA 313** This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

#### US State Regulations

##### Pennsylvania Right To Know

ALCOHOL 254504001-5838

The identity and concentration of one or more component(s) is being withheld under business confidentiality.

GLYCERIDES, C16-18 MONO, DI-AND TRI- 91052-54-9

LAURYL ALCOHOL EO POLYETHOXYLATE 9002-92-0

##### New Jersey Right To Know

ALCOHOL 254504001-5838

The identity and concentration of one or more component(s) is being withheld under business confidentiality.


GLYCERIDES, C16-18 MONO, DI-AND TRI- 91052-54-9

LAURYL ALCOHOL EO POLYETHOXYLATE 9002-92-0

##### California Prop. 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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

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- DSL : All components of this product are on the Canadian DSL
- AICS : On the inventory, or in compliance with the inventory
- ENCS : On the inventory, or in compliance with the inventory
- KECI : 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
- TCSI : On the inventory, or in compliance with the inventory
- TSCA : For Cosmetic Use Only

**Inventories**

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

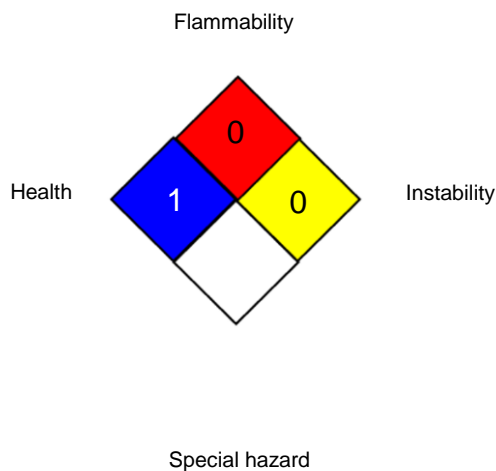
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**SECTION 16. OTHER INFORMATION**

**Further information**

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**NFPA 704:**



**HMIS® IV:**

<b>HEALTH</b>	/	1
<b>FLAMMABILITY</b>		0
<b>PHYSICAL HAZARD</b>		0


HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "\*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

**Full text of H-Statements**

- H302 Harmful if swallowed.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.

**Full text of other abbreviations**

AICS - Australian Inventory of Chemical Substances; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 -

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Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

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Sources of key data used to compile the Safety Data Sheet : Ashland internal data including own and sponsored test reports  
European Union Law with content from the Official Journal of the European Union.  
European Chemicals Agency; the EU authority implementing the EU's chemicals legislation for companies.  
The German Water Hazard Classes.  
ReachCentrum; a series of support services to help comply with REACH regulations.  
The European Commission; proposing legislation, administering and implementing EU policies, and enforcing EU law.  
The UNECE administers regional agreements implementing harmonised classification for labelling (GHS) and transport.  
Cefic, the European Chemical Industry Council.  
ESIS European Chemical Substances Information System

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