



**SAFETY DATA SHEET**

Use explosion-proof electrical/ventilating/lighting/equipment.  
Use only non-sparking tools.  
Take precautionary measures against static discharge.  
Avoid breathing mist or vapours.  
Contaminated work clothing must not be allowed out of the workplace.  
Use only outdoors or in a well-ventilated area. Wear protective gloves and eye/face protection.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
If skin irritation or rash occurs: Get medical advice/attention.  
Wash contaminated clothing before reuse.  
If inhaled: Remove person to fresh air and keep comfortable for breathing.  
Call a POISON CENTER or doctor/physician if you feel unwell.  
In case of fire: Use water fog, dry chemical, CO<sub>2</sub> or 'alcohol' foam for extinction.

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

Dispose of contents/container in accordance with local/regional/national/international regulations.

**Other hazards**

Other hazards which do not result in classification:  
Ingestion may cause irritation of the mouth, throat and stomach. Contact with eyes may cause irritation. May cause mild skin irritation.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Mixture

<u>Chemical name</u>	<u>Common name and synonyms</u>	<u>CAS #</u>	<u>Concentration</u>
Ethyl acetate	Ethyl ethanoate Acetoxyethane	141-78-6	34.8

**SECTION 4. FIRST-AID MEASURES****Description of first aid measures**

- Ingestion* : IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do not induce vomiting. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep victim's head lowered (forward) to reduce the risk of aspiration.
- Inhalation* : Immediately remove person to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen by qualified medical personnel only. Call a POISON CENTER or doctor/physician if you feel unwell.
- Skin contact* : Wash affected areas with soap and water. Take off contaminated clothing and wash before re-use. Get medical attention if irritation develops and persists.
- Eye contact* : Flush with large amounts of water for 15 minutes. Remove contact lenses if present and easy to do. If irritation or symptoms develop, seek medical attention.

**Most important symptoms and effects, both acute and delayed**

- : May cause central nervous system depression. May cause headache, nausea, dizziness and other symptoms of central nervous system depression. May cause respiratory irritation. Symptoms may include coughing, choking and wheezing. May cause an allergic skin reaction. Symptoms may include redness, itching and swelling. Direct skin contact may cause temporary redness. Direct eye contact may cause temporary redness. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Indication of any immediate medical attention and special treatment needed**

- : Treat symptomatically. This product is a CNS

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### SECTION 5. FIRE-FIGHTING MEASURES

#### Extinguishing media

##### *Suitable extinguishing media*

- : Use media suitable to the surrounding fire such as water fog or fine spray, alcohol foams, carbon dioxide and dry chemical.

##### *Unsuitable extinguishing media*

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

#### Special hazards arising from the substance or mixture / Conditions of flammability

- : Closed containers may rupture if exposed to excess heat or flame due to a build-up of internal pressure. Vapour can travel considerable distance and flashback to a source of ignition. Vapours are heavier than air and collect in confined and low-lying areas.

#### Flammability classification (OSHA 29 CFR 1910.106)

- : Flammable Liquids - Category 2

#### Hazardous combustion products

- : Carbon dioxide and carbon monoxide. Other unidentified organic compounds .

#### Special protective equipment and precautions for firefighters

##### *Protective equipment for fire-fighters*

- : Firefighter should wear full protective clothing including self contained

##### *breathing apparatus. Special fire-fighting procedures*

- : Evacuate personnel to safe areas. Move containers from fire area if safe to do so. Water spray may be useful in cooling equipment exposed to heat and flame. Dike for water control. Avoid release to the environment.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

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

- : All persons dealing with clean-up should wear the appropriate protective equipment including self-contained breathing apparatus. Keep all other personnel upwind and away from the spill/release. Restrict access to area until completion of clean-up. Refer to Section 8, EXPOSURE CONTROLS AND PERSONAL PROTECTION, for additional information on acceptable personal protective equipment.

#### Environmental precautions

- : Ensure spilled product does not enter drains, sewers, waterways, or confined spaces. For large spills

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- Conditions for safe storage** : Keep away from heat, sparks and open flame. - No smoking. Store in a cool, dry, well-ventilated area. Store away from incompatibles and out of direct sunlight. Keep cool. Keep container tightly closed. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Inspect periodically for damage or leaks.
- Incompatible materials** : Strong oxidizers (e.g. Chlorine, Peroxides, etc.).

### SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Exposure Limits:

<u>Chemical Name</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>	
	<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
Ethyl acetate	400 ppm	N/Av	400 ppm (1400 mg/m <sup>3</sup> )	N/Av

#### Exposure controls

##### Ventilation and engineering measures

- : Provide exhaust ventilation or other engineering controls to keep the airborne concentration of vapours below their respective threshold limit value.

##### Respiratory protection

- : Respiratory protection is required if the concentrations exceed the TLV. Use a NIOSH approved dust respirator if dust levels exceed exposure limits. Seek advice from respiratory protection specialists.

##### Skin protection

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

##### Eye / face protection

- : Chemical goggles must be worn to prevent dusts from entering the eyes.



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- Potential Chronic Health Effects** :
- : Prolonged exposure can cause redness, swelling, itching, cracking of the skin, dermatitis and sensitization.
- Mutagenicity** : Not expected to be mutagenic in humans.
- Possibility of hazardous reactions** :
- : Hazardous polymerization does not occur.
- Conditions to avoid** :
- : Keep away from heat, direct flame and other ignition sources. Do not use in areas without adequate ventilation. Keep away from direct sunlight. Avoid contact with incompatible materials.
- Incompatible materials** : Strong oxidizers (e.g. Chlorine, Peroxides, etc.).
- Hazardous decomposition products** :
- : None known, refer to hazardous combustion products in Section 5.

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure:

<u>Ingredients</u>	CAS No	Toxicity to Daphnia		
		EC50 / 48h	NOEC / 21 day	Factor
Ethyl acetate	141-78-6	> 100 mg/L	N/Av	None.

**Routes of entry inhalation** : YES **Routes of entry skin & eye** : YES **Routes of entry Ingestion** :

: YES

**Routes of exposure skin absorption** :

: NO

#### Potential Health Effects:

#### **Signs and symptoms of short-term (acute) exposure**

*Sign and symptoms Inhalation*

**Carcinogenicity** No components are listed as carcinogens by ACGIH, IARC, O







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<u>Ingredients</u>	CAS #	TSCA Inventory	CERCLA Reportable Quantity(RQ) (40 CFR 117.302):	SARA TITLE III: Sec. 302, Extremely Hazardous Substance, 40 CFR 355:	SARA TITLE III: Section 302, Extremely Hazardous Substance, 40 CFR 355:	SARA TITLE III: Section 302, Extremely Hazardous Substance, 40 CFR 355:
Ethyl acetate	141-78-6	Yes	5000 lb/ 2270 kg	None.	No	N/Ap

SARA TITLE III: Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes: Acute Health Hazard Fire Hazard

**US State Right to Know Laws:**

The following chemicals are specifically listed by individual States:

<u>Ingredients</u>	CAS #	State "Right to Know" Lists							
		Listed	Type of Toxicity	CA	MA	MN	NJ	PA	RI
Ethyl acetate	141-78-6	No	N/Ap	Yes	Yes	Yes	Yes	Yes	Yes

**Canadian Information:**

All ingredients are present on the DSL. WHMIS  
Classification: See Section 2.

**International Information:**

Components listed below are present on the following International Inventory list:

<u>Ingredients</u>	CAS #	European EINECS	Australia AICS	Philippines PICCS	Japan ENCS	Korea KEC/KECL	China IECSC	New Zealand IOC
Ethyl acetate	141-78-6	205-500-4	Present	Present	(2)-726	KE-00047	Present	HSR001041

**SECTION 16. OTHER INFORMATION****Legend**

: ACGIH: American Conference of Governmental Industrial Hygienists  
CAS: Chemical Abstract Services  
CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980  
CFR: Code of Federal Regulations  
CNS: Central Nervous System  
DOT: Department of Transportation  
EPA: Environmental Protection Agency  
EINECS: European Inventory of Existing Commercial chemical Substances  
IARC: International Agency for Research on Cancer  
IBC: Intermediate Bulk Container  
IMDG: International Maritime Dangerous Goods  
Inh: Inhalation  
LC: Lethal Concentration LD:  
Lethal Dose N/Ap: Not Applicable  
N/Av: Not Available  
NIOSH: National Institute of Occupational Safety and Health  
NTP: National Toxicology Program  
OSHA: Occupational Safety and Health Administration  
PEL: Permissible exposure limit  
RCRA: Resource Conservation and Recovery Act  
RTECS: Registry of Toxic Effects of Chemical Substances  
SARA: Superfund Amendments and Reauthorization Act  
STEL: Short Term Exposure Limit  
TDG: Canadian Transportation of Dangerous Goods Act & Regulations  
TLV: Threshold Limit Values

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TWA: Time Weighted Average

WHMIS: Workplace Hazardous Materials Identification System

### References

- : 1. ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices for 2015.
- 2. International Agency for Research on Cancer Monographs, searched 2015
- 3. Canadian Centre for Occupational Health and Safety, CCInfoWeb databases, 2015 (Chempendium, HSDB and RTECs).
- 4. Material Safety Data Sheets from manufacturer.
- 5. US EPA Title III List of Lists - 2015.
- 6. California Proposition 65 List - 2015

### Preparation Date (mm/dd/yyyy)

: 03/04/2019

### Other special considerations for handling

- : Provide adequate information, instruction and training for operators.

### Prepared by:

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## DISCLAIMER

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