

**Safety Data Sheet**  
**RETARDANT SLOW THINNER**

Safety Data Sheet dated: 8/5/2022 - version 1

Date of first edition: 8/5/2022



**1. IDENTIFICATION**

**Product identifier**

Identification of the substance:

Trade name: RETARDANT SLOW THINNER

**Other means of identification:**

Trade code: D1024

**Recommended use of the chemical and restrictions on use**

Recommended use: Thinner/Solvent for professional/industrial use N.A.

Restrictions on use: N.A.

**Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party**

Company: ICA North America  
169 Main Street  
West Lorne, ON  
N0L 2P0  
Canada

Responsible: regulatoryaffairs@icaspa.com

**Emergency telephone number**

For Hazardous Materials [or Dangerous Goods] Incident Spill, Leak, Fire,

Exposure, or Accident Call CHEMTREC Day or Night

Within USA and Canada: 1 -800-424-9300

**2. HAZARD(S) IDENTIFICATION**



**Classification of the chemical**

Flam. Liq. 3 Flammable liquid and vapour.

STOT SE 3 May cause drowsiness or dizziness.

**Label elements**

**Pictograms and Signal Words**



Warning

**Hazard statements**

H226 Flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

**Precautionary statements**

P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical / ventilating / lighting / equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P261 Avoid breathing dust / fume / gas / mist / vapours / spray.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/clothing and eye/face protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 Call a POISON CENTER / doctor / if you feel unwell.

P370+P378	In case of fire, use a dry powder fire extinguisher to extinguish.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container in accordance with applicable regulations.

**Dir. 2004/42/EC (VOC directive)**

This product contains max 938 g/l VOC.

**Hazards not otherwise classified identified during the classification process:**

None

**Additional classification information**



HMIS Health: 0 = MINIMAL  
 HMIS Flammability: 2 = Combustible liquid  
 HMIS Reactivity: 0 = MINIMAL  
 HMIS P.P.E.: Safety glasses, gloves  
 NFPA Health: 0 = MINIMAL  
 NFPA Flammability: 3 = Flammable liquid  
 NFPA Reactivity: 0 = MINIMAL  
 NFPA Special Risk: NONE

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Substances**

Hazard classification within the meaning of 29 CFR 1910.1200:

**Mixtures**

N.A.

Hazardous components within the meaning of 29 CFR 1910.1200 and related classification:

**List of components**

Qty	Name	Ident. Numb.	Classification	Registration Number
≥ 100 %	1-ethoxy-2-propanol acetate	CAS:98516-30-4 EC:259-370-9 Index:603-177-00-8	Flam. Liq. 3, H226; STOT SE 3, H336	01-2119475116-39-XXXX

**4. FIRST AID MEASURES**

**Description of first aid measures**

In case of skin contact:

- Immediately take off all contaminated clothing.
- Remove contaminated clothing immediately and dispose off safely.

In case of eyes contact:

- Wash immediately with water.

In case of Ingestion:

- Do not induce vomiting, get medical attention showing the SDS and label hazardous.

In case of Inhalation:

- Remove casualty to fresh air and keep warm and at rest.

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

N.A.

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

**5. FIRE-FIGHTING MEASURES**

**Extinguishing media**

Suitable extinguishing media:

**Unsuitable extinguishing media:**

None in particular.

### Specific hazards arising from the chemical

Do not inhale explosion and combustion gases.  
Burning produces heavy smoke.  
Hazardous combustion products: N.A.  
Explosive properties: No  
Oxidizing properties: No

### Special protective equipment and precautions for fire-fighters

Use suitable breathing apparatus .  
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Move undamaged containers from immediate hazard area if it can be done safely.

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## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.  
Remove all sources of ignition.  
Remove persons to safety.  
See protective measures under point 7 and 8.

### Methods and material for containment and cleaning up

Suitable material for taking up: absorbing material, organic, sand  
Wash with plenty of water.

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## 7. HANDLING AND STORAGE

### Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.  
Do not use on extensive surface areas in premises where there are occupants.  
Don't use empty container before they have been cleaned.  
Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.  
Contaminated clothing should be changed before entering eating areas.  
Do not eat or drink while working.  
See also section 8 for recommended protective equipment.

### Conditions for safe storage, including any incompatibilities

Storage temperature: N.A.

Always keep in a well ventilated place.  
Store at below 20 °C. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.  
Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.  
Avoid accumulating electrostatic charge.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Cool and adequately ventilated.  
Safety electric system.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

OEL Type	Country	Ceiling	Long Term mg/m3	Long Term ppm	Short Term mg/m3	Short Term ppm	Behaviour	Notes
EU		C	300	50				

### Predicted No Effect Concentration (PNEC) values

PNEC LIMIT	Exposure Route	Exposure Frequency	Remark
1.34 mg/kg	Soil (agricultural)		
1.3 mg/l	Water		
0.13 mg/l	Water		
6.4 mg/kg	Air		
0.64 mg/kg	Marine water sediments		

### Derived No Effect Level (DNEL) values

Worker Industry	Worker Professional	Consumer	Exposure Route	Exposure Frequency	Remark
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608 mg/m <sup>3</sup>	365 mg/m <sup>3</sup>	Human Inhalation	Short Term, systemic effects
103 mg/kg	62 mg/kg	Human Dermal	Long Term, systemic effects
302 mg/m <sup>3</sup>	181 mg/m <sup>3</sup>	Human Inhalation	Long Term, systemic effects
	13.1 mg/kg	Human Oral	Long Term, systemic effects

Appropriate engineering controls: N.A.

**Individual protection measures**

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

Use adequate protective respiratory equipment.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

Physical State Liquid

Appearance and colour: Liquid transparent

Odour: like: Ester

Odour threshold: N.A.

pH: N.A.

Melting point / freezing point: -70 °C (-94 °F)

Initial boiling point and boiling range: 149 °C (300 °F)

Flash point: 23°C ≤ T ≤ 60°C

Evaporation rate: N.A.

Upper/lower flammability or explosive limits: N.A.

Vapour density: 5.1

Vapour pressure: N.A.

Relative density: 0.94 g/ml

Solubility in water: Partially soluble

Solubility in oil: N.A.

Partition coefficient (n-octanol/water): N.A.

Auto-ignition temperature: 325.00 °C

Decomposition temperature: N.A.

Viscosity: N.A.

Explosive properties: No

Oxidizing properties: No

Solid/gas flammability: data not applicable

VOC content (g/L) in the product (2010/75/UE) 938.00

VOC content % in the product (2010/75/UE) 100.00

**Other information**

Substance Groups relevant properties N.A.

Miscibility: N.A.

Fat Solubility: N.A.

Conductivity: N.A.

**10. STABILITY AND REACTIVITY**

**Reactivity**

It may generate dangerous reactions (See subsections below)

**Chemical stability**

It may generate dangerous reactions (See subsections below)

**Possibility of hazardous reactions**

None.

**Conditions to avoid**

Avoid accumulating electrostatic charge.

## Incompatible materials

Avoid contact with combustible materials. The product could catch fire.

## Hazardous decomposition products

Data not available.

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## 11. TOXICOLOGICAL INFORMATION

### Information on toxicological effects

#### Toxicological Information of the Substance

a) acute toxicity	Not classified Based on available data, the classification criteria are not met LD50 Oral Rat > 5000 mg/kg
b) skin corrosion/irritation	Not classified Based on available data, the classification criteria are not met LD50 Skin Rabbit > 5000 mg/kg
c) serious eye damage/irritation	Not classified Based on available data, the classification criteria are not met
d) respiratory or skin sensitisation	Not classified Based on available data, the classification criteria are not met
e) germ cell mutagenicity	Not classified Based on available data, the classification criteria are not met
f) carcinogenicity	Not classified Based on available data, the classification criteria are not met
g) reproductive toxicity	Not classified Based on available data, the classification criteria are not met
h) STOT-single exposure	The product is classified: STOT SE 3(H336)
i) STOT-repeated exposure	Not classified Based on available data, the classification criteria are not met
j) aspiration hazard	Not classified Based on available data, the classification criteria are not met

#### Substance(s) listed on the IARC Monographs:

None

#### Substance(s) listed as OSHA Carcinogen(s):

None

#### Substance(s) listed as NIOSH Carcinogen(s):

None

#### Substance(s) listed on the NTP report on Carcinogens:

None

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## 12. ECOLOGICAL INFORMATION

### Toxicity

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

#### List of Eco-Toxicological properties of the product

Not classified for environmental hazards.

Based on available data, the classification criteria are not met

- a) Aquatic acute toxicity : EC50 Daphnia > 100 mg/L 48h
- b) Aquatic chronic toxicity : IC50 Algae > 100 mg/L 72h
- a) Aquatic acute toxicity : LC50 Fish > 100 mg/L 96h

#### Persistence and degradability

N.A.

#### Bioaccumulative potential

N.A.

**Mobility in soil**

N.A.

**Other adverse effects**

N.A.

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**13. DISPOSAL CONSIDERATIONS****Waste treatment methods**

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

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**14. TRANSPORT INFORMATION****UN number**

ADR-UN number: 3272

DOT-UN Number: UN3272

IATA-Un number: 3272

IMDG-Un number: 3272

**UN proper shipping name**

ADR-Shipping Name: ESTERS, N.O.S.

DOT Proper Shipping Name: n.o.s.

IATA-Technical name: ESTERS, N.O.S.

IMDG-Technical name: ESTERS, N.O.S.

**Transport hazard class(es)**

ADR-Class: 3

DOT Hazard Class: 3

IATA-Class: 3

IMDG-Class: 3

**Packing group**

ADR-Packing Group: III

ADR exempt: III

IATA-Packing group: III

IMDG-Packing group: III

**Environmental hazards**

Marine pollutant: No

Environmental Pollutant: N.A.

**Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

N.A.

**Special precautions**

Department of Transportation (DOT):

DOT-Special Provision(s): B1, IB3, T4, TP1, TP29

DOT Label(s): 3

DOT Symbol: N/A

DOT Cargo Aircraft: N/A

DOT Passenger Aircraft: N/A

DOT Bulk: N/A

DOT Non-Bulk: N/A

Road and Rail (ADR-RID) :

ADR exempt: No

ADR-Label: 3

ADR - Hazard identification number: 30

ADR-Transport category (Tunnel restriction code): 3 (D/E)

Air (IATA) :

IATA-Passenger Aircraft: 355

IATA-Cargo Aircraft: 366

IATA-Label: 3

IATA-Subsidiary hazards: -

IATA-Erg: 3L

IATA-Special Provisioning: A3

Sea (IMDG) :

IMDG-Stowage Code: Category A

IMDG-Stowage Note: -

IMDG-Subsidiary hazards: -

IMDG-Special Provisioning: 223 274

IMDG-Page: N/A

IMDG-Label: N/A

IMDG-EMS: F-E, S-D

IMDG-MFAG: N/A

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## 15. REGULATORY INFORMATION

### USA - Federal regulations

#### TSCA - Toxic Substances Control Act

##### TSCA inventory:

All the components are listed on the TSCA inventory

##### TSCA listed substances:

1-ethoxy-2-propanol acetate is listed in TSCA Section 8b

#### SARA - Superfund Amendments and Reauthorization Act

##### Section 302 - Extremely Hazardous Substances:

No substances listed

##### Section 304 - Hazardous substances:

No substances listed

##### Section 313 - Toxic chemical list:

No substances listed

#### CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

##### Substance(s) listed under CERCLA:

No substances listed

#### CAA - Clean Air Act

##### CAA listed substances:

No substances listed

#### CWA - Clean Water Act

##### CWA listed substances:

No substances listed

### USA - State specific regulations

#### California Proposition 65

##### Substance(s) listed under California Proposition 65:

No substances listed

#### Massachusetts Right to know

##### Substance(s) listed under Massachusetts Right to know:

No substances listed

#### Pennsylvania Right to know

##### Substance(s) listed under Pennsylvania Right to know:

No substances listed

#### New Jersey Right to know

##### Substance(s) listed under New Jersey Right to know:

No substances listed

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## 16. OTHER INFORMATION

<b>Code</b>	<b>Description</b>
H226	Flammable liquid and vapour.
H336	May cause drowsiness or dizziness.

Safety Data Sheet dated: 8/5/2022 - version 1

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. The information relates only to the specific material and may not be valid for such material used in combination with any other material or in any process.

This document was prepared by a competent person who has received appropriate training.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

**Legend to abbreviations and acronyms used in the safety data sheet:**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.

IMDG: International Maritime Code for Dangerous Goods.

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

CLP: Classification, Labeling, Packaging.

EINECS: European Inventory of Existing Commercial Chemical Substances.

INCI: International Nomenclature of Cosmetic Ingredients.

CAS: Chemical Abstracts Service (division of the American Chemical Society).

GefStoffVO: Ordinance on Hazardous Substances, Germany.

LC50: Lethal concentration, for 50 percent of test population.

LD50: Lethal dose, for 50 percent of test population.

DNEL: Derived No Effect Level.

PNEC: Predicted No Effect Concentration.

TLV: Threshold Limiting Value.

TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).

STEL: Short Term Exposure limit.

STOT: Specific Target Organ Toxicity.

WGK: German Water Hazard Class.

KSt: Explosion coefficient.

The information in this SDS is provided all the relevant data fully and truly. However, the information is provided without any warranty on their absolute extensiveness and accuracy. This SDS was prepared to provide safety preventive measures for the users who have got professional training. The personal user who obtained this SDS should make independent judgment for the applicability of this SDS under special conditions. In these special cases, we do not assume responsibility for the damage.