TRIACETIN

Chemical Product And Company Identification

Company's Name: *REAGENTS, INC.*
Company's P. O. Box: *240746*
Company's City: *CHARLOTTE*
Company's State: *NC*
Company's Country: *US*
Company's Zip Code: *28224*
Company's Info Ph #: *704/554-7474, 800/732-8484*
Emergencies, call CHEMTREC: *800-424-9300*
Date MSDS Prepared: *September 29, 2004*

1. Product Identification

Synonyms: *1,2,3-Propanetriol, triacetate; glycerin triacetate*
CAS No.: *102-76-1*
Molecular Weight: *218.21*
Chemical Formula: *C9H14O6*
Product Codes: *T-1002, 600126*

2. Composition/Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
Triacetin	102-76-1	100%	Yes

3. Hazards Identification

Emergency Overview

CAUTION! MAY CAUSE EYE IRRITATION.

Potential Health Effects

Inhalation: *No adverse health effects expected from inhalation.*
Ingestion: *Large doses may cause gastro-intestinal upset.*
Skin Contact: *No adverse effects expected.*
Eye Contact: *No adverse effects expected. May cause irritation, redness and pain.*
Chronic Exposure: *No information found.*
Aggravation of Pre-existing Conditions: *No information found.*

4. First Aid Measures

Inhalation: *Remove to fresh air. Get medical attention for any breathing difficulty.*
Ingestion: *If large amounts were swallowed, give water to drink and get medical advice.*
Skin Contact: *Wash exposed area with soap and water. Get medical advice if irritation develops.*
Eye Contact: *Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention if irritation persists.*

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5. Fire Fighting Measures

Fire: *Flash point: 138C (280F) CC*
Autoignition temperature: 433C (811F)
Flammable limits in air % by volume: lel: 1
As with most organic solids, fire is possible at elevated temperatures or by contact with an ignition source.
Explosion: *Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.*
Fire Extinguishing Media: *Water spray, dry chemical, alcohol foam, or carbon dioxide.*
Special Information: *In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full-facepiece operated in the pressure demand or other positive pressure mode.*

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6. Accidental Release Measures

Remove all sources of ignition. Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Clean up spills in a manner that does not disperse dust into the air. Use non-sparking tools and equipment. Reduce airborne dust and prevent scattering by moistening with water. Pick up spill for recovery or disposal and place in a closed container.

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7. Handling and Storage

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product.

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8. Exposure Controls/Personal Protection

Airborne Exposure Limits: *None established.*
Ventilation System: *Not expected to require any special ventilation.*
Personal Respirators (NIOSH-Approved): *Not expected to require personal respirator usage.*
Skin Protection: *Wear protective gloves and clean body-covering clothing.*
Eye Protection: *Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.*
Other Control Measures: *There is insufficient data in the published literature to assign complete*

numerical ratings and laboratory protective equipment for this product. Special precautions must be used in storage, use and handling. Protective equipment for laboratory bench use should be chosen using professional judgment based on the size and type of reaction or test to be conducted and the available ventilation, with overriding consideration to minimize contact with the chemical.

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9. Physical and Chemical Properties

Appearance: *Clear oily liquid.*
Odor: *Slight fatty odor.*
Solubility: *Moderately soluble in water (1-10%).*
Specific Gravity: *1.1562 @ 25C/4C*
pH: *No information found.*
% Volatiles by volume @ 21C (70F): *0*
Boiling Point: *258 - 260C (496 - 500F)*
Melting Point: *-78C (-108F)*
Vapor Density (Air=1): *7.52*
Vapor Pressure (mm Hg): *0.00248 @ 25C (77F)*
Evaporation Rate (BuAc=1): *0*

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10. Stability and Reactivity

Stability: *Stable under ordinary conditions of use and storage.*
Hazardous Decomposition Products: *Carbon dioxide and carbon monoxide may form when heated to decomposition.*
Hazardous Polymerization: *Will not occur.*
Incompatibilities: *Strong oxidizers.*
Conditions to Avoid: *Heat, flames, ignition sources and incompatibles.*

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11. Toxicological Information

Oral rat LD50: 3000 mg/kg.

--------\Cancer Lists\----------

Ingredient	---NTP Carcinogen--- Known	Anticipated	IARC Category
Triacetin (102-76-1)	No	No	None

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12. Ecological Information

Environmental Fate: *When released into the soil, this material is expected to leach into groundwater. When released into water, this material is not expected to evaporate significantly. This material is not expected to significantly bioaccumulate. When released into the air, this material is expected to be readily degraded by reaction with photochemically produced hydroxyl radicals.*
Environmental Toxicity: *No information found.*

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13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

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14. Transport Information

Not regulated.

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15. Regulatory Information

--------\Chemical Inventory Status - Part 1\---------------------------------

Ingredient	TSCA	EC	Japan	Australia
Triacetin (102-76-1)	Yes	Yes	Yes	Yes

--------\Chemical Inventory Status - Part 2\---------------------------------

		--Canada--		
Ingredient	Korea	DSL	NDSL	Phil.
Triacetin (102-76-1)	Yes	Yes	No	Yes

--------\Federal, State & International Regulations - Part 1\----------------

	-SARA 302-		------SARA 313------	
Ingredient	RQ	TPQ	List	Chemical Catg.
Triacetin (102-76-1)	No	No	No	No

--------\Federal, State & International Regulations - Part 2\----------------

		-RCRA-	-TSCA-
Ingredient	CERCLA	261.33	8(d)
Triacetin (102-76-1)	No	No	No

Chemical Weapons Convention: No TSCA 12(b): No CDTA: No
SARA 311/312: Acute: Yes Chronic: No Fire: No Pressure: No
Reactivity: No (Pure / Liquid)

WHMIS: *This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.*

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16. Other Information

NFPA Ratings: *Health:* ***1*** *Flammability:* ***1*** *Reactivity:* ***0***
Label Hazard Warning: *CAUTION! MAY CAUSE EYE IRRITATION.*
Label Precautions: *Read and follow all warnings, precautions, instructions and other safety and handling information on the label and MSDS. Avoid contact with eyes. Wash thoroughly after handling.*
Label First Aid: *In case of eye contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists.*

Product Use: *Laboratory Reagent.*
Revision Information: *No Changes.*
Disclaimer:
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