



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product identifier	Leather Protectant	
Version #	01	
Issue date	12-13-2016	
CAS #	Mixture	
Product Code	1006	
Product use	Leather Conditioner	
Manufacturer information	Malco Products, Inc. 361 Fairview Ave Barberton, OH 44203 United States msdsinfo@malcopro.com www.malcopro.com	
	Phone	800-253-2526
	Fax	330-753-2025
	Phone	1-800-424-9300
Supplier	Not available.	

2. Hazards Identification

Potential health effects	
Routes of exposure	Not available.
Eyes	Not available.
Skin	Not available.
Inhalation	Not available.
Ingestion	Not available.

3. Composition / Information on Ingredients

Non-hazardous components	CAS #	Percent
Triethanolamine	102-71-6	1 - 5

4. First Aid Measures

First aid procedures	
Inhalation	Not available.
Skin contact	Not available.
Eye contact	Not available.
Ingestion	Not available.

5. Fire Fighting Measures

Flammable properties	Not available.
Extinguishing media	
Suitable extinguishing media	Not available.
Unsuitable extinguishing media	Not available.
Fire fighting equipment/instructions	Not available.
Explosion data	
Sensitivity to static discharge	Not available.

Sensitivity to mechanical impact	Not available.
Hazardous combustion products	Not available.

6. Accidental Release Measures

Methods for cleaning up	Not available.
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7. Handling and Storage

Handling	Not available.
Storage	Not available.

8. Exposure Controls / Personal Protection

Occupational exposure limits

US. ACGIH Threshold Limit Values

Components	Type	Value
Triethanolamine (CAS 102-71-6)	TWA	5 mg/m3

Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

Components	Type	Value
Triethanolamine (CAS 102-71-6)	TWA	5 mg/m3

Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

Components	Type	Value
Triethanolamine (CAS 102-71-6)	TWA	5 mg/m3

Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)

Components	Type	Value
Triethanolamine (CAS 102-71-6)	TWA	5 mg/m3

Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)

Components	Type	Value
Triethanolamine (CAS 102-71-6)	TWA	3.1 mg/m3
		0.5 ppm

Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)

Components	Type	Value
Triethanolamine (CAS 102-71-6)	TWA	5 mg/m3

Biological limit values	No biological exposure limits noted for the ingredient(s).
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Engineering controls	Not available.
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Personal protective equipment

Eye/face protection	Not available.
Skin protection	Not available.
Respiratory protection	Not available.

9. Physical & Chemical Properties

Appearance

Physical state	Liquid.
Form	Liquid.
Color	Cream

Odor	Leather
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Odor threshold	Not available.
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pH	8.5
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Vapor pressure	Not available.
Vapor density	Not available.
Boiling point	Not available.
Melting point/Freezing point	Not available.
Solubility (water)	Not available.
Specific gravity	Not available.
Relative density	Not available.
Flash point	> 200.0 °F (> 93.3 °C)
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not available.
Auto-ignition temperature	Not available.
Evaporation rate	Not available.
Viscosity	8280 cP
Viscosity temperature	68 °F (20 °C)

10. Chemical Stability & Reactivity Information

Chemical stability	Not available.
Conditions to avoid	Not available.
Incompatible materials	Not available.
Hazardous decomposition products	Not available.
Possibility of hazardous reactions	Not available.

11. Toxicological Information

Toxicological data

Components	Species	Test Results
Triethanolamine (CAS 102-71-6)		
Acute		
Dermal		
LD50	Rabbit	> 20000 mg/kg
Oral		
LD50	Guinea pig	5300 mg/kg
	Rat	8 g/kg

Acute effects

Sensitization Not available.

Chronic effects Not available.

Carcinogenicity

IARC Monographs. Overall Evaluation of Carcinogenicity

Triethanolamine (CAS 102-71-6)

3 Not classifiable as to carcinogenicity to humans.

Skin corrosion/irritation	Not available.
Serious eye damage/irritation	Not available.
Mutagenicity	Not available.
Reproductive effects	Not available.
Teratogenicity	Not available.
Synergistic materials	Not available.

12. Ecological Information

Ecotoxicological data

Components			Species	Test Results
Triethanolamine (CAS 102-71-6)				
Aquatic				
Crustacea	EC50	Water flea (Ceriodaphnia dubia)	565.2 - 658.3 mg/l, 48 hours	
Fish	LC50	Fathead minnow (Pimephales promelas)	10610 - 13010 mg/l, 96 hours	
Ecotoxicity	Not available.			
Environmental effects	Not available.			
Aquatic toxicity	Not available.			
Persistence and degradability	Not available.			
Partition coefficient				
Triethanolamine	-1			

13. Disposal Considerations

Disposal instructions Not available.

14. Transport Information

TDG

UN number UN3082
UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Transport hazard class(es)
Class 9
Subsidiary risk -
Packing group III
Environmental hazards Yes
Special precautions for user Not available.

IATA

UN number UN3082
UN proper shipping name Environmentally hazardous substance, liquid, n.o.s.
Transport hazard class(es)
Class 9
Subsidiary risk -
Packing group III
Environmental hazards Yes
ERG Code 9L
Special precautions for user Not available.
Other information
Passenger and cargo aircraft Allowed.
Cargo aircraft only Allowed.

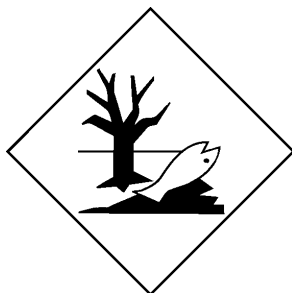
IMDG

UN number UN3082
UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Transport hazard class(es)
Class 9
Subsidiary risk -
Packing group III
Environmental hazards
Marine pollutant Yes
EmS F-A, S-F
Special precautions for user Not available.

IATA; IMDG; TDG



Marine pollutant



15. Regulatory Information

WHMIS status Non-controlled

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other Information

NFPA ratings

Health: 1
Flammability: 1
Instability: 0

Prepared by Not available.