
LEGGARI

EFFECTS

Gold and Silver Effects Safety Data Sheet

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TRADE NAME (AS LABELED):

LEGGARI EFFECTS: GOLD AND SILVER

SUPPLIER/MANUFACTURER'S NAME:

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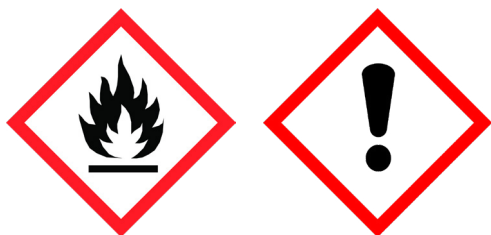
EMERGENCY NUMBER

86-755-82233077

2 | HAZARD IDENTIFICATION

**EU-GHS/CLP(NO 1272/2008) CLASSIFICATION OF THE SUBSTANCE OR MIXTURE**

Acute Aquatic Hazard:	Category 3
Acute Toxicity (Oral):	Category 4
Eye Irritation:	Category 2A
Flammable Aerosol:	Category 1
Reproductive Toxicity:	Category 2
Skin Corrosion/Irritation:	Category 2
STOT - RE:	Category 2
STOT - SE (Resp. Irr.):	Category 3

GHS/CLP(1272/2008) LABEL ELEMENTS : SIGNAL WORD: WARNING!**HAZARD STATEMENTS**

H223 - Flammable aerosol
H302 - Harmful if swallowed
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H335 - May cause respiratory irritation
H412 - Harmful to aquatic life with long lasting effects

PRECAUTIONARY STATEMENTS**Prevention**

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking
P251 - Pressurized container: Do not pierce or burn, even after use
P280 - Wear protective gloves/protective clothing/eye protection/face protection

Response

P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 - Call a POISON CENTER or doctor/physician if you feel unwell.

Storage

P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Disposal

P501 - Dispose of contents/container to an approved waste disposal plant.



3 | COMPOSITION/INFORMATION ON INGREDIENTS



Substance	CAS#	EC#	Amount%	Classification
Resin	9003-01-4	202-415-4	3-12	C,T,Xi,R45-46-34-36/37/38t
Mica	12001-26-2	215-479-3	5-15	R22
Ethyl Alcohol	64-17-5	200-578-6	10-25	F,T,Xn,R11-10-36/37/38-39 /23/24/25-23/24/25-68/20/21/22-20/21/22-52/53tn,R11-10-36/37/38-39/23/24/25-23/24/25-68/
DME	115-10-6	204-065-8	30-50	F+,R12

4 | FIRST-AID MEASURES



General information

For symptoms and effects caused by the contained substances see Section 11.

Inhalation

Remove to open air. If breathing is irregular or stopped, administer artificial respiration. Obtain immediate medical attention.

Ingestion

Obtain immediate medical attention. Induce vomiting only if indicated by the doctor. Give nothing by mouth to an unconscious person.

Skin contact

Immediately wash with plenty of water. Remove all contaminated clothing. Obtain immediate medical attention. Wash contaminated clothing separately before using them again.

Eye contact

Irrigate copiously with clean, fresh water for at least 15 minutes. Seek medical advice.

5 | FIRE FIGHTING MEASURES



Flammability of the product:

This product is Flammable

Suitable extinguishing media

The extinction equipment should contain carbon dioxide, foam or chemical powders. For product leaks and spills that have not caught fire, nebulized water can be used to dispel flammable fumes and protect the individuals taking part in stemming the leak.

Special exposure hazards from the substance

Excess pressure may form in containers exposed to fire at a risk of explosion. Do not breathe combustion products (carbon oxide, toxic pyrolysis products, etc).

Remark:

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water and the remains of the fire according to applicable regulations.

6 | ACCIDENTAL RELEASE MEASURES



Personal precautions

Eliminate sources of ignition (cigarettes, flames, sparks, etc.) from the air in which the leak occurred. If there are no contraindications, spray solid products with water to prevent the formation of dust. Use breathing equipment if fumes or powders are released into the air. Block the leakage if there is no hazard. For information on risks for the environmental and health, respiratory tract protection, ventilation and personal protection equipment, refer to the other sections of this sheet.

Environmental precautions

The product must not penetrate the sewers, surface water, ground water and neighboring areas.

Spill clean up methods

For liquid products, suck into a suitable container (made of material not incompatible with the product) and soak up any leaked product with absorbent inert material (sand, vermiculite, diatomaceous earth, Kieselguhr, etc). Collect the majority of the remaining material and deposit in containers for disposal.



**Usage precautions**

DO NOT allow clothing wet with material to stay in contact with skin. Use in a well-ventilated area. Prevent concentration in hollows and sumps. Keep ignition sources away. Always wash hands with soap and water after handling. Work clothes should be laundered separately.

Storage precautions

Store below 38°C. Keep dry to avoid corrosion of cans. Store in original containers in approved flammable liquid storage area. No smoking, naked lights, heat or ignition sources. Store away from incompatible materials.

Storage class: III

**EXPOSURE LIMITS**

THE FOLLOWING CONTROLS ARE RECOMMENDED FOR NORMAL CONSUMER USE OF THIS PRODUCT

Occupational Exposure Limits(OEL's):

Ingredient Name	STEL/15 min	TWA/8Hrs
Mica	--	6 mg/m ³
Ethyl Alcohol	2400 mg/m ³	1,900 mg/m ³
DME	--	1,910 mg/m ³

Engineering Measures

As the use of adequate technical equipment must always take priority over personal protection equipment, make sure that the workplace is well aired through effective local aspiration or bad air vent.

Respiratory Equipment

Avoid respiratory, no need for special protection if under normal use and in well ventilated area.

Hand Protection

No need for special protection. Rubber, neoprene or PVC. If needed.

Eye Protection

Use safety eye-wear designed to protect against splash of liquids. Avoid contact, no need the special protection if under normal use and in well-ventilated area

Other Protection

Avoid contact, no need the special protection if under normal use and in well ventilated area.

Hygiene Measures

Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. When using do not eat, drink, or smoke.



Appearance:	Liquid
Odor:	Aqueous
Vapor density:	1.62 (vs air)
Color:	Gold or Silver
Voc:	75%
Relative density:	>1
Solubility in water:	Soluble
Flash point, liquid:	-41°C
Flammability:	Flammable
Vapor pressure @ 20:	>760 mm Hg (25°C)



**Chemical stability**

Stable under normal conditions of use.

Hazardous Polymerization:

There are no particular risks of reaction with other substances in normal conditions of use.

Conditions to avoid:

Avoid heat, flames and other sources of ignition. Avoid contact with: Strong oxidizing agents. Strong alkalis. Strong mineral acids.

Incompatible materials:

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

**ACUTE TOXICOLOGICAL DATA****Resin**

(LD50): 2,500mg/kg [Rat, Oral]

(LD50): 4,600 mg/kg [Mouse, Oral]

Ethyl Alcohol

(LD50): 7,060 mg/kg [Rat, Oral]

(LD50): 3,450 mg/kg [Mouse, Oral]

DME

(LC50): 308,000mg/m³[Rat, Oral]

(LC50): 386ppm/30minutes [Mouse, Oral]

Potential Acute Health Effects:

• THIS IS DESIGNED FOR EXTERNAL USE ONLY. Essentially, when used in this aerosol form, there are no potential toxic effects.

Inhalation

Deliberate inhalation may cause severe pulmonary and breathing difficulty, dizziness, drowsiness (narcosis) and headaches (but this is unlikely in normal usage) and would constitute abuse.

Ingestion

Solvent vapors may cause nausea, sickness and headaches. Gas or vapor in high concentrations may irritate respiratory system.

Skin Contact

Irritation may result from continued exposure to vapors when used in areas of poor ventilation.

Eye Contact

Irritation of eyes and mucous membranes.

**Ecotoxicity Data:**

Ethyl ester (EC50): Green Algae 8090 ug/L for 48 hr

(LC50): Creek chub 7,000 mg/L for 24 hr

Persistence and Degradability

Degradation will be relatively slow though ultimately almost complete. Accumulation is unlikely once physical breakdown commences.

Mobility

The product will evaporate quickly to the air. The solid will present no other significant hazards, with no dangerous arising from degradation. Mobility will be very slow.

Bio accumulative Potential

Short and long term effects should not be considered significant. Very short term damage to aquatic and soil organisms may occur in large spillage (1000 containers) though this should disperse quickly (especially if absorbent material is used).



13 | DISPOSAL CONSIDERATION



GENERAL INFORMATION

Do not puncture or incinerate even when empty.

DISPOSAL METHODS

Empty containers must not be burned because of explosion hazard. Dispose of waste and residues in accordance with local authority requirements. Dried material is non-hazardous. The container should be totally discharged and disposed of as hazardous waste.

14 | TRANSPORT INFORMATION



LAND TRANSPORTATION (ADR/RID)

Proper shipping name:

Aerosols, Flammable, Limited Quantity

Hazard class:

Class 2.0: Flammable liquids

Classification code:

5F

Tunnel restriction code:

D

Packing group(s)

II

Transport category:

2

UN/NA ID:

UN 1950

Limit quantity:

1L

Air class:

2

Special provisions:

190 327 344 625

MARINE TRANSPORTATION (IATA/IMDG)

UN number:

UN1950

UN proper shipping name:

Aerosols

Hazard label:

2, see SP63

EMS:

F-D, S-U

Placards:**UN/N/A ID:**

UN 1950

Special provisions:

63, 190, 277, 327, 344, 959

Transport hazard class(es):

2

Limited quantity:

See SP277

15 | REGULATORY INFORMATION



The OSHA Regulations apply in the USA. The Environmental Protection Act Regulations apply in the USA



Flammable



Irritant



**RISK PHRASES**

R11 - Highly Flammable

R36/37/38 - Irritating to eyes, respiratory system and skin

R66 - Repeated exposure will cause skin dryness and cracking

R67 - Vapors may cause drowsiness and dizziness.

R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

SAFETY PHRASES

S9 - Keep container in a well-ventilated place

S16 - Keep away from sources of ignition-No smoking

S23 - Do not breathe vapor/spray

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S45 - In case of accident or if you feel unwell seek medical advice immediately (show container).

S51 - Use only in well ventilated areas

S53 - Avoid Exposure -read SDS sheet before use

HMIS CLASSIFICATION

Health: 0 flammability: 0

Reactivity: 0 PPI: B

NFPA RATING

Health: 0 Fire: 3

Reactivity: 0 Special: none

Abbreviations Used

GHS - Globally Harmonized System

LD50 - Lethal Dosage 50%

EC - European Community

TWA - Time weighted Average

WHMIS - Workplace Hazardous Materials Information System

STEL - Short term exposure limit

DME - Dimethyl Ether

LC50 - Half maximal inhibitory Concentration

OEL - Occupational Exposure Limit

g/cc - Grams per Cubic Centimeter

VOG - Volatile Organic Compound

Prepared by:

Revision Date:

LEGGARI PRODUCTS LLC

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DISCLAIMER:

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