

GLEND O

CORPORATION

MATERIAL SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION

MATERIAL NAME: SPRAY DIAMOND (FLAMMABLE)

Trade Name: Spray Diamond (Flammable)
Part Numbers: 002-752, 002-753, 002-754, 002-755, 002-817, 001-782-1/4,
001-782-1/2, 001-782-1, 001-782-3

Manufacturer's Name: Glendo Corporation
Address: 900 Overlander Road, Emporia, KS 66801
Phone: (620) 343-1084

2. COMPOSITION / INFORMATION ON INGREDIENTS

		SARA 313			ACGIH	IARC
CHEMICAL NAME	COMMON NAME	Y/N	CAS #	OSHA PEL	TLV	CARCINOGEN
INDUSTRIAL DIAMOND	N/A	N	7782-40-3	N/A	N/A	N/CLASS 4
WATER	DIHYDROGEN OXIDE	N	7732-18-5	N/A	N/A	N/CLASS 4
ISOPROPYL ALCOHOL	N/A	N	67-63-0	400 ppm	200 ppm (TWA)	N/CLASS 3

COMPOSITION IS PROPRIETARY.

3. HAZARDS IDENTIFICATION

OVERVIEW: FLAMMABLE LIQUID AND VAPOR

ACUTE HEALTH EFFECTS: May cause eye, skin and lung irritation. Other systems, such as the nervous system, may be affected if the product is absorbed through the skin.

CHRONIC HEALTH EFFECTS: Chronic exposure can further irritate eyes, skin and lungs. May also damage internal organs and nervous system resulting in impairment and possibly death.

CARCINOGENIC EFFECTS: 4 (ACGIH), 3 (IARC) (not classifiable for human or animal)

MUTAGENIC EFFECTS: None for human.

TETRATOGENIC EFFECTS: None for human.

DEVELOPMENTAL TOXICITY: None for human.

4. **FIRST AID MEASURES**

EYE CONTACT: In case of eye contact, check for and remove contact lenses. Flush with tepid water for at least 15 minutes while holding the eyelids open. Seek medical attention if irritation persists.

SKIN CONTACT: Carefully remove contaminated clothing, wash exposed area with soap and water. Seek medical attention if irritation persists.

INHALATION CONTACT: Remove to fresh air. Give artificial respiration if not breathing. Give oxygen if breathing is difficult. Get medical attention immediately.

INGESTION CONTACT: Give large amounts of water to drink unless unconscious. Seek medical attention immediately.

5. **FIRE, EXPLOSION DATA AND MEASURES**

FLAMMABILITY: Flammable class 3

AUTO-IGNITION: 750°F (399°C)

FLASH POINT: 54°F (12°C) CC

FLAMMABLE LIMITS: LEL: 2.0% UEL: 12.7%

PRODUCTS OF COMBUSTION: carbon dioxide and carbon monoxide

EXTINGUISHING MEDIA: Use extinguishing media necessary for surrounding fire

SPECIAL FIRE FIGHTING PRECAUTIONS/INSTRUCTIONS: Wear full protective gear with full face respirator in positive pressure mode.

EXPLOSION AND VAPORS: Vapors are very explosive. Vapors are heavier than air and may travel along the floor and into low spots. Sensitive to static discharge.

6. **ACCIDENTAL RELEASE MEASURES**

IN CASE OF SPILL OR RELEASE: Always wear recommended personal protective equipment per section 8.

Ventilate area if possible. Remove any sources of ignition. Use water spray to disperse vapors and dilute material. Do not flush to sewer. Use non-sparking tools. Collect material using vermiculite, sand or earth. Do not use combustible sorbents such as saw dust, etc.

7. **HANDLING AND STORAGE**

HANDLING: Keep cool and away from sources of ignition.

STORAGE: Store in cool, well ventilated areas. Protect from shock. Separate from incompatibles listed in section 10.

8. **EXPOSURE CONTROLS / PERSONAL PROTECTION**

ENGINEERING CONTROLS: Use local ventilation for best effect to prevent exposures above limits.

PERSONAL PROTECTIVE EQUIPMENT (PPE) DURING PRODUCT USE

EYE PROTECTION: Safety glasses or face shields are recommended.

RESPIRATORY PROTECTION: NIOSH approved full face with correct organic cartridge for exposures up to 50 times exposure limits.

SKIN PROTECTION: protective clothing and gloves with approved ratings

PERSONAL PROTECTIVE EQUIPMENT IN CASE OF ACCIDENTAL SPILL (*exposure levels unknown*)

EYE PROTECTION: Full face respirator as part of respiratory protection

RESPIRATORY PROTECTION: Full face air supplied respirator

SKIN PROTECTION: Full body protection

In case of spill, observe the ACGIH TLV values when selecting the appropriate PPE.

9. **PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE: clear, colorless

PHYSICAL STATE: liquid

ODOR: rubbing alcohol

SOLUBILITY: miscible in water

PH: not applicable

BOILING POINT: 212°F (100°C)

SPECIFIC GRAVITY: 0.79 @ 68°F (20°C) (WATER = 1)

BOILING POINT: 180°F (82°C)

MELTING POINT: -128°F (-89°C)

VAPOR DENSITY: 2.1 (AIR = 1) Heavier than air

VAPOR PRESSURE: 44 @ 77°F (25°C) (in mmHg)

EVAPORATION RATE: 2.83 (BuAc = 1)

10. **STABILITY AND REACTIVITY**

STABILITY: Stable under normal conditions of use and storage. Heat and light can contribute to instability.

CONDITIONS TO AVOID: heat, flames, ignition sources and incompatibles

MATERIALS TO AVOID: heat, flames, strong oxidizers, acetaldehyde, acids, chlorine, ethylene oxide, hydrogen-palladium combination, hydrogen peroxide-sulfuric acid combination, potassium tert-butoxide, hypochlorous acid, isocyanates, nitroform, phosgene, aluminum, oleum, and perchloric acid

HAZARDOUS DECOMPOSITION PRODUCTS: carbon monoxide and carbon dioxide

HAZARDOUS POLYMERIZATION: will not occur

11. **TOXICOLOGICAL INFORMATION**

ROUTES OF ENTRY: inhalation, ingestion, absorption

TOXICITY: ORAL RAT LD50: 5045 mg/kg

SKIN RABBIT LD50: 12.8 gm/kg

INHALATION RAT LC50: 16,000 ppm/8 hour

12. **ECOLOGICAL INFORMATION**

ECOTOXICITY: LC50/96 hour for fish is over 100 mg/l. Not expected to be toxic to aquatic life.

ENVIRONMENTAL FATE: This material is not expected to have a severe environmental impact due to rapid evaporation or dispersion in the environment.

13. **DISPOSAL CONSIDERATIONS**

Attempt to recover as much of the released product as possible for recycling or other recovery. Any remaining released product will be considered a hazardous waste. It should be disposed of according to federal, state or local regulations.

14. TRANSPORT INFORMATION

	DOMESTIC (LAND DOT)	INTERNATIONAL (WATER, IMO)
PROPER SHIPPING NAME:	ISOPROPANOL	ISOPROPANOL
HAZARD CLASS:	3	3
UN/NA:	UN1219	UN1219
PACKING GROUP:	II	II
INFORMATION:		
REPORTED FOR/SIZE:	200L	200L

15. REGULATORY INFORMATION

BASED ON FULL STRENGTH ISOPROPYL ALCOHOL

29CFR 1910.1200 HAZ COM: irritant, eyes, respiratory, skin

SARA 313: not reportable

HMIS (USA)

HEALTH HAZARD: 2

FIRE HAZARD: 3

REACTIVITY: 2

NFPA (USA)

HEALTH HAZARD: 2

FIRE HAZARD: 3

REACTIVITY: 2

PPE: gloves, glasses, proper clothing, vent hood and class b fire extinguisher

16. OTHER INFORMATION

Diamond compounds are sold for professional use only.

The information contained herein is based on data considered to be accurate; however, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof.

Vendor assumes no responsibility for injury to vendee or third party persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the material safety data sheet.

Additionally, vendor assumes no responsibility for injury to vendee or third party persons proximately caused by abnormal use of this material even if reasonable safety procedures are followed.

Vendee assumes the risk in use of this material.

<u>CREATION DATE</u>	<u>CREATED BY</u>	
01/01/2007	B. Teegardin	
<u>REVISION DATE</u>	<u>REVISED BY</u>	<u>REASON FOR REVISION</u>
01/30/2013	R. Fessler	CONTENT REVIEW