

## MATERIAL SAFETY DATA SHEET – DESERT VARNISH SPRAY

### Section 1 – Product Information

**Date of Preparation:** September 18, 2006

**Manufacturer:** Moab by Legion Paper  
11 Madison Ave 14<sup>th</sup> Floor  
New York City, New York 10010  
USA  
212-683-6990  
212-683-6998 FAX

**Emergency Telephone:** For transportation emergencies call –  
1-800-424-9300 Domestic  
1-703-527-3887 International

**Product Code:** Moab Desert Varnish Spray

### Section II – Hazardous Ingredients

Hazardous Ingredient	% by Weight	CAS No.	EEC No.	Symbol	R	EXPOSURE LIMITS			
						Long Term (8 Hr)		Short Term (15 mins)	
						ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Isopropyl Alcohol	40-60	67-63-0	200-661-7	F	11, 36, 67	400	999	500	1250
Dimethyl Ether	40-60	115-10-6	204-065-8	F+	12	400	766	500	958
n-Butyl Acetate	1-3	123-86-4	204-658-1	-	10, 66, 67	150	742	200	966
Remaining ingredients not considered hazardous under CHIP regulations									

### Section III – Hazards Identification

Extremely Flammable. Vapor harmful. The principal safety and health hazards when using the product are due to inhalation of isopropanol vapors. There is also a risk of ignition of the spray should it pass through or on an ignition source. Inhalation may occur while spraying the product or during the drying process. If the product is used with adequate ventilation, risk of excessive inhalation is eliminated.

### Section IV – First Aid Measures

**Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation persists.

**Skin:** Wash with soap and water. Get medical attention if irritation or rash develops. Remove and launder contaminated clothing before reuse.

**Ingestion:** If fully conscious, drink plenty of water. Induce vomiting. Get medical attention.

**Inhalation:** Remove to fresh air. If not breathing, apply artificial respiration. Get immediate medical attention.

**Advice to Physician:** Treat Symptoms.

### Section V – Fire Fighting Measures

**Extinguishing Media:** Dry chemical, carbon dioxide, foam for alcohols, water fog/ spray.

**Fire/Explosion Hazards:** Containers are under pressure. Exposure to high heat may result in explosion.

**Fire Fighting Measures:** Wear a self-contained breathing apparatus and full protective gear. Cool cans with water.

**NFPA Hazard Codes:** Health 2; Flammability 4; Reactivity 1



## Section VI – Accidental Release Measures

Evacuate area. Provide adequate ventilation. Contain spill to a small area. Flush away from ignition sources with water. Pick up with absorbent material and transfer to suitable container for disposal. Keep out of sewers, streams and waterways.

## Section VII – Handling and Storage

Do not puncture or crush container, even when empty. Keep away from open flames and sparks. Store above 0° C (32oF) and below 49° C (120° F). Do not store in direct sunlight.

## Section VIII – Exposure Controls/Personal Protection

**Engineering Controls:** Good general ventilation should be sufficient to control airborne levels. Use a fume hood if PEL/TLV may be exceeded.

**Personal Protection:** See Information Below.

**Respiratory Protection:** For most conditions respiratory protection should not be needed. If Exposure limit is exceeded, wear an approved organic respirator.

**Protective Gloves:** Not normally required. Wear chemical resistant gloves, if skin contact may occur.

**Eye Protection:** Wear safety glasses or goggles.

## Section IX – Physical and Chemical Properties

**Physical State:** Clear low viscosity liquid with an alcohol odor.

**Boiling Point:** 82.5°C (181°F) (Isopropanol)

**Flash Point:** 12°C (53°F) open cup (Product only)

**Autoignition Temp.:** not determined

**Vapor Pressure:** not determined

**Solubility in Water:** Miscible

**Freezing Point:** Less than 0°C

**Specific Gravity:** 0.78 kg/l

**pH:** Not applicable

**Vapor Density:** >1 (Air = 1)

**Evaporation Rate:** <1 (Ether#1)

**% Volatile (by Volume):** 90

**Flammable Limits:** Lower: 2.0 Upper: 12.7 (Isopropanol)

## Section X – Stability and Reactivity

**Stable:** Yes

**Incompatibility:** Strong Oxidisers, strong inorganic acids.

**Hazardous Decomposition Products:** May include oxides of carbon, nitrogen and other toxic fumes.

**Hazardous Polymerisation:** Will not occur.

## Section XI – Toxicological Information

**Primary Route of Exposure:** Inhalation, skin and eye contact

**Acute Effects:**

**Eyes:** Eye contact may cause irritation.

**Inhalation:** Inhalation in excess of PEL/TLV may result in dizziness and headache and in extreme cases, loss of consciousness.

**Skin:** Repeated or prolonged skin contact may cause skin irritation and defat the skin.

**Chronic Effects:** None expected from available data.

**Cancer Information:** This product contains no ingredient that is listed on the IARC, NTP, or OSHA carcinogen lists.

## Section XII – Ecological Information

No data available.

## Section XIII – Disposal Considerations

Do not incinerate. Bury in licensed facility. Follow Federal, State, and local regulations.

## Section XIV – Transportation Information

**TDG:** Aerosol, 2.1, UN1950

**IMDG:** Aerosols, Class 2, UN1950, ERG No.12

**IATA/CAO:** Aerosols, Flammable, N.O.S., UN 1950

**ARD/RID:** Aerosol Dispensers, 2, 5°F

ARD.UN1950

**U.S. DOT:** Consumer Commodity ORM-D for package weights more than 30 Kg. - Aerosols, Flammable, N.O.S., UN

## Section XV – Regulatory Information



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**European Classification:** F+, Extremely flammable; R-Phrase - Extremely flammable; S-Phrase - keep away from ignition sources, no smoking.

**Canadian Classification B-2:** Flammable aerosol; R-Phrase - Flammable; S-Phrases - keep away from sources of ignition, no smoking; Do not breathe spray; Use only in well ventilated areas.

## Section XVI - Misc.

**CERCLA/SUPERFUND,40 CFR 302.4:** Dimethyl Ether is reportable, 100 lbs (45.4 kg.).

**Toxic Substances Control Act (TSCA) :** The ingredients of this product are all on the TSCA inventory list.

**SARA TITLE III, 313 Chemicals:** None

**California Proposition 65:** This product contains no chemical known to the State of California to cause cancer, birth defects, or other reproductive harm.

## Other Information

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