

MATERIAL SAFETY DATA SHEET
FOR COATINGS, RESINS AND RELATED MATERIALS
(Approved by U.S. Department of Labor 'Essentially Similar' to form OSHA-20)

MANUFACTURER'S NAME

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Section I -- PRODUCT IDENTIFICATION**PRODUCT NAME**

* - Trade Mark

Polyurethane Clear Spray Varnish

PRODUCT NUMBERS AND COLORS

140-0829 Clear Gloss

140-0837 Clear Satin

PRODUCT CLASS

Aerosol Polyurethane Coating

Section II -- HAZARDOUS INGREDIENTS

CAS No.	INGREDIENT	% by WEIGHT**	ACUTE-TOX	CHRON-TOX	CHRON-TOX	CHRON-TOX	V.P.
74-98-6	Propane (Propellant)	10	1000	1000	PPH	760.0	
75-28-3	2-Methylpropane (Propellant)	10	1000	1000	PPH	760.0	
64742-47-8	Mineral Spirits.	0-20	100	500	PPH	2.0	
64742-47-8	Mineral Spirits (Odorless).	0-20	200	500	PPH	1.0	
75-09-2	Dichloromethane	25-30	100	500	PPH	420.0	
71-36-3	1-Butanol	<5	50	100	PPH	5.5	
67-64-1	Acetone.	0-15	750	1000	PPH	180.0	
78-93-3	Methyl Ethyl Ketone.	0-15	200	200	PPH	70.0	

** For specific percent hazardous ingredients in each product, see Section X

Section III -- PHYSICAL DATA

EVAPORATION RATE -- Faster than Ether	VAPOR DENSITY -- Heavier than Air
BOILING RANGE (F) < 0 - 325	% VOLATILE VOLUME > 75
	WT./GAL. W.A.

Section IV -- FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION FLASH POINT < 0 F TCC LEL 0.9

RED LABEL -- Extremely Flammable, Flash below 21 F

EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS

Keep containers tightly closed. Isolate from heat, electrical equipment, sparks, and open flame. Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIRE FIGHTING PROCEDURES

Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

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Section V -- HEALTH HAZARD DATA**THRESHOLD LIMIT VALUE -- See Section II****EFFECTS OF OVEREXPOSURE**

ACUTE: In a confined area vapors in high concentration are anesthetic. Overexposure may result in lightheadedness and staggering gait. Irritant to skin and upper respiratory system.

CHRONIC: Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

EMERGENCY AND FIRST AID PROCEDURES

IF INHALED: If affected, remove from exposure. Restore breathing. Keep warm and quiet.

IF ON SKIN: Wash affected area thoroughly with soap and water.

Remove contaminated clothing and launder before re-use.

IF IN EYES: Flush eyes with large amounts of water for 15 minutes.

Get medical attention.

IF SWALLOWED: Never give anything by mouth to an unconscious person. DO NOT INDUCE

VOMITING. Give several glasses of water. Seek medical attention.

Section VI -- REACTIVITY DATA**STABILITY -- Stable****HAZARDOUS DECOMPOSITION PRODUCTS**

By fire: Carbon Dioxide, Carbon Monoxide, Hydrogen Chloride

HAZARDOUS POLYMERIZATION -- Will Not Occur

Section VII -- SPILL OR LEAK PROCEDURES**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

Remove all sources of ignition. Ventilate and remove with inert absorbent.

WASTE DISPOSAL METHOD

Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers.

Do not incinerate. Depressurize container. Dispose of in accordance with Federal, State, and Local regulations regarding pollution.

Section VIII -- PROTECTION INFORMATION**PRECAUTIONS TO BE TAKEN IN USE**

Use only with adequate ventilation. Avoid breathing vapor and spray mist. Avoid contact with skin and eyes. Wash hands after using.

VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section II is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

RESPIRATORY PROTECTION

If personal exposure cannot be controlled below applicable limits by ventilation, wear respiratory device approved by NIOSH/MSHA for protection against materials in Section II.

PROTECTIVE GLOVES

Wear gloves which are recommended by glove supplier for protection against materials in Section II.

EYE PROTECTION

Wear safety spectacles with unperforated side shields.

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Section IX -- PRECAUTIONS**DOL STORAGE CATEGORY -- 1A****PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**

Contents are **EXTREMELY FLAMMABLE**. Keep away from heat, sparks, and open flame.

Vapors will accumulate readily and may ignite explosively.

During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition.

Consult NFPA Code. Use approved Bonding and Grounding procedures.

Contents under pressure. Do not puncture, incinerate, or expose to temperature above 120F. Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst. Do not take internally. Keep out of the reach of children.

OTHER PRECAUTIONS

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

Section X -- PERCENT HAZARDOUS INGREDIENTS

	-0829	-0837
Propane (Propellant)	10	10
2-Methylpropane (Propellant)	10	10
Mineral Spirits.	20	—
Mineral Spirits (Odorless).	—	20
Dichloromethane	30	25
1-Butanol	<5	<5
Acetone.	15	—
Methyl Ethyl Ketone.	—	15

This Material Safety Data Sheet conforms to the Hazard Communication standard, 29 CFR 1910.1200(g)(4), for similar complex mixtures.

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.