

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

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Section I -- PRODUCT IDENTIFICATION

PRODUCT NAME * -- Trade Mark
Hi-Heat Spray Enamel
PRODUCT NUMBERS AND COLORS
 140-0910 Black
 140-0928 Aluminum
PRODUCT CLASS
 Aerosol Acrylic Enamel

Section II -- HAZARDOUS INGREDIENTS

CAS No.	Ingredient	% by Weight**	ACGIH-TLV	OSHA-PEL	UNITS	V.P.
74-98-6	Propane (Propellant)	15	1000	1000	PPM	760.0
75-28-5	2-Methylpropane (Propellant)	0-15	1000		PPM	760.0
75-09-2	Dichloromethane	30-35	100	500	PPM	420.0
108-88-3	Toluene	5-35	100	200	PPM	22.0
1330-20-7	Xylene	0-5	100	100	PPM	5.9
64742-95-6	Light Aromatic Naphtha	0-5	100		PPM	3.8
71-36-3	1-Butanol	0-5	50	100	PPM	5.5
78-93-3	Methyl Ethyl Ketone	0-20	200	200	PPM	70.0
110-19-0	Isobutyl Acetate	0-5	150	150	PPM	12.5

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

Section III -- PHYSICAL DATA

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

Section IV -- FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION FLASH POINT <0 F TCC LEL 0.7
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.

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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.

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. Rest, breathe. 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.

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PROTECTIVE GLOVES

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

EYE PROTECTION

Wear safety spectacles with unperforated sideshields.

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

	-0910	-0928
Propane (Propellant)	15	15
2-Methylpropane (Propellant)	—	15
Dichloromethane	35	30
Toluene	5	35
Xylene	5	—
Light Aromatic Naphtha	<5	—
1-Butanol	<5	—
Methyl Ethyl Ketone	20	—
Isobutyl Acetate	<5	—

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.