

M A T E R I A L S A F E T Y D A T A S H E E T

I. IDENTIFICATION

MANUFACTURED BY: Van Sickle Paint Mfg Co
PO Box 82222
Lincoln, NE 68501

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24 Hour Emergency Telephone
CHEMTREC 1-800-424-9300

General Information:
Mon-Fri 8 AM - 5 PM
712-737-4993

TRADE NAME: TRACTOR & EQUIPMENT ALUMINUM SPRAY

MFG. PRODUCT NUMBER: 40170

PROPER SHIPPING NAME: PAINT

II. HAZARDOUS INGREDIENTS

CAS #108-88-3	Toluene		WT %: 20-50	Footnote: (1)
	ACGIH TLV: 50 ppm TWA	ACGIH STEL:		
	OSHA PEL: 200 ppm TWA	OSHA CEILING: 300 ppm		OSHA PEAK: 500 ppm
	VAPOR PRESSURE: 23.0 mm Hg	LEL%: 1.3		
CAS #64742-88-7	Mineral Spirits		WT %: 20-50	Footnote: (1)
	ACGIH TLV: 100 ppm TWA	ACGIH STEL:		
	OSHA PEL:	OSHA CEILING:		OSHA PEAK:
	VAPOR PRESSURE: 2.7 mm@20c	LEL%:		
CAS #75-28-5	Isobutane		WT %: 5-20	
	ACGIH TLV: N.E.	ACGIH STEL:		
	OSHA PEL: N.E.	OSHA CEILING:		OSHA PEAK:
	VAPOR PRESSURE: 3.1 atm	LEL%: 1.6		
CAS #74-98-6	Propane		WT %: 5-20	
	ACGIH TLV: 2500 ppm TWA	ACGIH STEL:		
	OSHA PEL: 1000 ppm TWA	OSHA CEILING:		OSHA PEAK:
	VAPOR PRESSURE: 7150mmHg20c	LEL%:		
CAS #7429-90-5	Aluminum		WT %: 1-5	
	ACGIH TLV: TWA-10mg/m3	ACGIH STEL:		
	OSHA PEL: TWA-15mg/m3	OSHA CEILING:		OSHA PEAK:
	VAPOR PRESSURE:	LEL%:		
CAS #71-36-3	Butanol		WT %: 1-5	Footnote: (1)
	ACGIH TLV: 50 ppm SKIN	ACGIH STEL: 150 ppm SKIN		
	OSHA PEL: 100 ppm TWA	OSHA CEILING: 150 mg/m3 SKIN		OSHA PEAK:
	VAPOR PRESSURE: 4.4 mm	LEL%: 1.45		

WARNING MESSAGES:

- (1) Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Chronic exposure may cause damage to the central nervous system, respiratory system, lung, eye, skin, liver, gastrointestinal tract, spleen, kidneys, and blood.
- (2) See Section IX for reportable Hazardous Air Pollutants.

III. PHYSICAL DATA

BOILING RANGE: -43-385° F

EVAPORATION RATE: * slower than ether *

PERCENT VOLATILE BY VOLUME: 87.01%

WEIGHT PER GALLON: 6.20 LBS

VAPOR DENSITY: * heavier than air *

ACTUAL VOC (lb/gal): 4.96

EPA VOC (lb/gal): 4.96

EPA VOC (g/L): 594.41

IV. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 39° C 102° F

LEL: Refer to Section II

FLAMMABILITY CLASSIFICATION: CLASS II

DOT CLASSIFICATION (HAZARD CLASS): *Combustible Liquid*

EXTINGUISHING MEDIA: Never use a fire extinguisher of any type on a burning aluminum powder fire. Burning aluminum powder creates a very serious danger because if the fire is disturbed in any manner that results in the formation of a cloud aluminum dust, there is an extremely serious risk that the dust could explode. The only effective method of extinguishing an aluminum powder fire is to remove its source of oxygen, and allow the fire to burn itself out. Never use water or halogenated hydrocarbon extinguishers to attempt to extinguish an aluminum powder fire. Water reacts with burning aluminum to form highly flammable hydrogen gas which will spread the fire. Halogenated hydrocarbons will react violently with burning aluminum powder.

UNUSUAL FIRE AND EXPLOSION HAZARDS: keep away from heat, sparks, and flame.

SPECIAL FIRE FIGHTING PROCEDURES: Do not use water. It will react with the Aluminum to form combustible hydrogen gas. If a fire should occur with aluminum powder on a flat surface, use a long handled shovel made from nonsparking material such as aluminum, copper or bronze, and using extreme caution, so as not to generate a cloud of aluminum dust, very gently sprinkle a ring of fine, totally dry sand around the burning aluminum powder to prevent it from spreading. Allow the powder to cool to ambient temperature before collecting it for disposal.

V. HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: See Section II.

EFFECTS OF OVEREXPOSURE: Aluminum powder can cause transitory eye, nose,

and throat irritation.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: consult physician

PRIMARY ROUTE(S) OF ENTRY: Ingestion, Skin Absorption, Inhalation

EMERGENCY AND FIRST AID PROCEDURES:

INHALATION: Remove to fresh air. Restore breathing. Treat symptomatically. Consult a physician.

EYES: Flush immediately with large amounts of water for at least 15 minutes. Talk to a physician for medical treatment.

SKIN: Wipe off with towel. Wash with soap and water. Remove contaminated clothing.

INGESTION: If swallowed, call a physician immediately. Remove stomach contents by gastric suction or induce vomiting only as directed by a medical personnel. Never give anything by mouth to an unconscious person.

VI. REACTIVITY DATA

STABILITY: *stable*

HAZARDOUS POLYMERIZATION: *will not occur*

INCOMPATIBILITY: Avoid any contact with oxidizing agents, acids, alkalies, water, and halogenated hydrocarbons.

HAZARDOUS DECOMPOSITION PRODUCTS: Aluminum reacts with strong oxidizing agents, acids alkalies, and water to liberate hydrogen gas. When aluminum burns, aluminum oxide is formed.

CONDITIONS TO AVOID: Avoid the potential contact with heat, sparks, open flame, fire, and openlights. Use only explosion proof equipment, and ground all equipment against the potential for static electricity. Use non-sparking tools for transfer of aluminum powder between containers, and insure that all containers have a common ground.

VII. SPILL OR LEAK PROCEDURES

SPILL/ LEAK PROCEDUES: Gently sprinkle the area with an inert floor sweeping compound, and using a natural hair bristle broom, gently sweep the material and transfer to a moisture proof, waste disposal container using a long handled shovel made of non sparking material. Seal the container for disposal.

WASTE DISPOSAL METHOD: Dispose of in accordance with local, state, and federal regulations.

VIII. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:

If air concentrations above the TLV are possible, wear a NIOSH/MSHA approved respirator.

VENTILATION: Provide general dilution or local exhaust ventilation in volume and pattern to keep TLV and LEL of most hazardous ingredient in Section II, below acceptable limit.

PROTECTIVE GLOVES: Use only cotton gloves

EYE PROTECTION: Safety glasses.

OTHER PROTECTIVE EQUIPMENT: *none*

HYGIENIC PRACTICES: See Section V

IX. SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE: Store in a cool, dry area. Avoid contact with water vapor. Do not store near oxidizers, acids, alkalies, water, halogenated hydrocarbons, or combustible materials. Keep container closed when not in use. Avoid spillage and/or the creation of an aluminum dust cloud. Transfer aluminum with non-sparking tools only, and insure that all equipment is electrically grounded.

OTHER PRECAUTIONS: Avoid resealing containers that have been contaminated with water. The resulting reaction could cause a pressure within the container which is great enough to burst the container.

LIST OF HAZARDOUS AIR POLLUTANTS SUBJECT TO THE PROVISIONS OF THE CLEAN AIR ACT, TITLE I SECTION 112 'National Emission Standards for Hazardous Air Pollutants':

Ingredient	CAS #	Wt% of HAPS in product	Pounds HAPS/ Gal product
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Toluene	108-88-3	25.5 %	1.6
