

JUL 18 1993

MATERIAL SAFETY DATA SHEET

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 LAKE ZURICH, IL 60047 For Emergency Medical Information:
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HAZARD RATING:
 4 EXTREME
 3 HIGH
 2 MODERATE
 1 SLIGHT
 0 INSIGNIFICANT

Fire 4
 2
 1
 Reactivity
 4
 1
 Toxicity
 2
 1
 Special

Product Class: AEROSOL SPRAY PAINT Product Name: ACE RUST-STOP Product No. 17070-17087
 17132-17148

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT (CAS Reg. No.)	APPROX. WT. %	OCCUPATIONAL EXPOSURE LIMITS		VAPOR PRESSURE @ 68°F (MM Hg)
		TLV	PEL	
BUTYL CELLOSOLVE 111-76-2	< 1	25ppm	50ppm	0.9mm
ISOPROPNOL 67-63-0	< 1	400ppm	400ppm	33mm
MINERAL SPIRITS 8032-32-4	0 - 6	100ppm	500ppm	4mm
TOLUOL 108-88-3	11 - 24	100ppm	100ppm	17mm
VM&P NAPHTHA 64742-89-8	0 - 15	300ppm	500ppm	17mm
XYLENE 1330-20-7	1 - 4	100ppm	100ppm	9mm
ACETONE 67-64-1	20 - 27	750ppm	750ppm	186mm
PROPELLANT (PROPANE ISOBUTANE) 68476-86-8	28 - 33	N/A	N/A	4400mm
INERT RESINS & PIGMENTS N/A	BALANCE	N/A	N/A	N/A

SECTION III - PHYSICAL DATA

BOILING RANGE 104 - 390 °F VAPOR DENSITY: X HEAVIER LIGHTER THAN AIR
 EVAPORATION RATE: X FASTER X SLOWER THAN ETHER % VOLATILE VOLUME: 90% WT./GAL: N/A
 PROPELLANT SOLVENT

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY OSHA FLAMMABLE LIQUID - CLASS IA CLASSIFICATION DOT FLAMMABLE LIQUID
 FLASH POINT -40 °C (-40 °F) LEL 0.8%
 AUTO IGNITION TEMPERATURE
 EXTINGUISHING MEDIA X FOAM X ALCOHOL FOAM X CO2 X DRY CHEMICAL WATER FOG OTHER

UNUSUAL FIRE AND EXPLOSION HAZARDS
 Cans will rupture from internal pressure at about 190 F and discharge flammable contents. When heated to decomposition, toxic fumes are formed.
 SPECIAL FIREFIGHTING PROCEDURES
 Full protective equipment, including self-contained breathing apparatus, is needed to protect firefighters from any hazardous combustion products.

SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE
 INHALATION: Acute (short-term) overexposure can lead to central nervous system depression producing such effects as headaches, dizziness, nausea, and loss of consciousness. Chronic (long-term): Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Overexposure to Xylol and Toluene in lab animals has shown liver abnormalities, kidney, lung, spleen and eye damage as well as anemia. Effects in humans have shown liver and cardiac abnormalities. Overexposure to Ethylene Glycol Butyl Ether has shown blood abnormalities in lab animals.
 SKIN: Prolonged contact can cause defatting and drying of the skin which may result in skin irritation and dermatitis.
 EYES: Acute exposures may result in slight eye irritation. Chronic exposures may be more irritating.

SECTION V - HEALTH HAZARD DATA (Cont'd)

PRIMARY ROUTE(S) OF ENTRY: X DERMAL X INHALATION GESTION
 EMERGENCY FIRST AID PROCEDURES:
 INHALATION: Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get medical attention.
 SKIN CONTACT: Wash with soap and water. Remove contaminated clothing; reuse only when cleaned. If persistent irritation occurs, get medical attention.
 EYE CONTACT: Flush with water for 15 minutes while holding eyelids open. Get medical attention.

SECTION VI - REACTIVITY DATA

STABILITY: X STABLE UNSTABLE
 CONDITIONS TO AVOID:
 HAZARDOUS DECOMPOSITION PRODUCTS:
 Carbon Monoxide, Carbon Dioxide, Various complex organic compounds when burned.
 HAZARDOUS POLYMERIZATION: MAY OCCUR WILL NOT OCCUR
 CONDITIONS TO AVOID:
 INCOMPATIBILITY (MATERIALS TO AVOID): WATER OTHER

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
 Remove all sources of ignition (flames, not surfaces, and electrical, static or frictional sparks). Avoid breathing vapors. Ventilate area. Remove with inert absorbent. Refer to other protective measures outlined in Sections IV, V, VI, VII, and VIII.
 WASTE DISPOSAL: Disposal must be done in accordance with federal, state, and local regulations. Before attempting cleanup, refer to hazard caution information in other section of this data sheet.

SECTION VIII - SAFE HANDLING AND USE INFORMATION

VENTILATION TYPE: Sufficient ventilation, in volume and pattern, should be provided to keep the air contaminant concentration of the hazardous ingredients in Section II below the current applicable TLV or PEL and also below the stated LEL in Section IV.
 RESPIRATORY PROTECTION: For casual use, none required provided ventilation is available as outlined below. If eye watering, headaches or dizziness occurs, increase ventilation or wear respirator protection (NIOSH/MSHA TC23C or equivalent) or leave area.
 PROTECTIVE GLOVES: None required. EYE PROTECTION: Safety glasses should be used while spraying.
 OTHER PROTECTIVE EQUIPMENT: None required. HYGIENIC PRACTICES: Wash hands after use and prior to eating, smoking, or using restroom.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Do not store above 120 F. Store large quantities in buildings designed and protected for storage of NFPA Class IA flammable liquids.
 OTHER PRECAUTIONS: Do not spray in eyes. Do not puncture or incinerate can. Do not stick pin or any sharp objects into opening on top of can. Finger must not protrude over front edge of spray button. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

SECTION X - MISCELLANEOUS INFORMATION

PROPER SHIPPING NAME: Consumer Commodity HAZARD CLASS: ORM-D
 FOR EXPORT: Aerosols, flammable, n.o.s. (each not exceeding 1L capacity), UN 1950; label as Flammable Gas.