

MATERIAL SAFETY DATA SHEET (MSDS)

This MSDS should be attached or kept with the respective product with which it is associated.

MATERIAL SAFETY DATA SHEET

25F83
5W151-5W165
5W167-5W173
5W175, 5W176

Coatings, Resins and Related Materials

ON I - PRODUCT AND PREPARATION INFORMATION
MANUFACTURER: RUST-OLEUM CORPORATION
ADDRESS: 11 Hawthorn Parkway, Vernon Hills, IL 60061
EMERGENCY AND INFORMATION TELEPHONE: (708) 367-7700

PRODUCT CLASS: Aerosol Spray Paints
MANUFACTURERS CODE: 2123, 2124, 2125, 2133, 2134, 2137, 2143, 2147,
2148, 2155, 2156, 2163, 2164, 2169, 2171, 2175,
2178, 2179, 2182, 2183, 2187, 2190, 2192 and 2196
TRADE NAME: HARD HAT Primers and Topcoats
DATE OF PREPARATION: August 20, 1993 (rwb/amb)

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT/CAS NO	WT%	ACGIH-TLV	OSHA-PEL	LEL	HHG20C
Xylene/1330-20-7	15-30%*	100ppm	100ppm	1.2%	9.5
Toluene/108-88-3	10-25%*	100ppm	100ppm	1.2%	22.0
VM&P Naphtha/64742-89-8	0-5%*	300ppm	300ppm	0.9%	2.0
2-Butoxyethanol/111-76-2	0-10%*	25ppm	25ppm	1.1%	0.9
Methyl ethyl ketone/78-93-3	0-3%	200ppm	200ppm	2.0%	70.0
Ethyl benzene/100-41-4	1-4%	100ppm	100ppm	1.2%	10.0
N-Propanol/111-23-8	1%*	200ppm	200ppm	2.1%	14.9
Propellant/68476-86-8 (propane, butane, isobutane)	25%*	1000ppm	1000ppm	1.8%	85psi

*Nearest 5%

**Items in 2169 and 2182 only
NE-not established NA-not applicable

SECTION III - PHYSICAL DATA

Boiling range: Below 0 F
Evaporation Rate (Ether-1): Slower
Vapor density: Heavier than air
% Volatile (by volume): NA
Wt/gal: NA
pH: NA

SECTION IV - FIRE AND EXPLOSION HAZARDS

Flammability Classification: Extremely Flammable
Flashpoint: <0 F (ICC)
DOT Classification: Flammable Gas 2.1
Extinguishing Media:
NFPA Class B extinguishers (Carbon dioxide, dry chemical or foam)
Special Fire Fighting Procedures:
Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion. If water is used, fog nozzles are preferred.
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. DO NOT apply to hot surfaces.

SECTION V - HEALTH HAZARD DATA

Effects of Overexposure:
(Inhalation):
Harmful if inhaled. May affect the brain or nervous system causing dizziness, headache or nausea. Repeated overexposures may progressively lead to staggering gait, confusion, unconsciousness or coma. Causes nose and throat irritation.
Acute (Skin or Eye Contact):
Causes eye and skin irritation which can lead to dermatitis with repeated overexposures.
Ingestion:
May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Chronic:
Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Overexposure to xylene and toluene in lab animals has been associated with liver, kidney, lung spleen and eye damage as well as anemia. Effects in humans have included liver and cardiac abnormalities. 2-Butoxyethanol may be harmful if absorbed through the skin and has been shown to cause blood abnormalities in lab animals.

Emergency and First Aid Procedures:

Inhalation:
Remove from exposure, restore breathing and notify a physician.
Eye Contact:
Flush immediately with large amounts of water for at least 15 minutes. Notify a physician.
Skin Contact:
Wash affected area with soap and water, remove contaminated clothing and wash before reuse.
Ingestion:
DO NOT induce vomiting. Keep person warm, quiet and get medical attention. Aspiration of this material into the lungs can cause chemical pneumonitis which can be fatal.

SECTION VI - REACTIVITY DATA

Stability: Stable
Incompatible:
With strong oxidizing agents
Hazardous Decomposition Products:
By open flame- Carbon monoxide and Carbon dioxide.
Hazardous Polymerization: Will Not Occur

SECTION VII - SPILL OR LEAK PROCEDURES

Release or Spill Procedures:
Remove all sources of ignition, ventilate area and remove with inert absorbent and non-sparking tools
Waste Disposal Method:
Dispose of according to local, state and federal regulations. DO NOT incinerate closed containers.

SECTION VIII - SPECIAL PROTECTION INFORMATION

Respiratory Protection:
Use NIOSH approved chemical cartridge respirator (TC23C) to remove solid airborne particles of overspray and organic vapors during spray application. IN CONFINED AREAS: Use NIOSH approved supplied-air respirators or hoods (TC19C).
Protection:
Use safety eyewear designed to protect against splash of liquids.
Protective Equipment:

Use impervious gloves and/or clothing to prevent skin contact.

Ventilation:
Provide general dilution or local exhaust ventilation in volume and pattern to keep TLV of hazardous ingredients below acceptable limits.

SECTION IX - SPECIAL PRECAUTIONS AND REGULATORY ISSUES

Handling/Storage Precautions:
Do not store above 120 F. DO NOT puncture or incinerate containers. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.
CALIFORNIA PROPOSITION 65 STATEMENT:
These products contain chemicals known to the State of California to cause birth defects or other reproductive harm.