HARD HAT® MATERIAL SAFETY DATA SHEETS
For Coatings, Resins and Related Materials

SECTION I

MANUFACTURER: Rust-Oleum Corporation
ADDRESS: 11 Hawthorn Parkway • Vernon Hills, IL 60061
EMERGENCY AND INFORMATION TELEPHONE: (312) 367-7700

RODUCT CLASS: Aerosol
IFG. CODE NO.: 2185
RADE NAME: Hard Hat® Zinc Rich Galvanizing Compound

SECTION II — HAZARDOUS INGREDIENTS

GREDIENT / CAS No.	Wt. %	TLV-PPM-mg/m	LEL	mm Hg@20C
ol/1330-20-7	5%*	100 skin	1.0%	9.5
luene/108-88-3	20%*	100 skin	1.2%	22.0
thylene Chloride/75-09-3	5%*	100	NA	340
neral Spirits/8030-30-6	<5%	500	1.0%	2.0
opellant/74-98-6 liphatic Hydrocarbons)	25%*	1000	1.9%	70psig

earest 5%

SECTION III — PHYSICAL DATA

iling Range: Below 0°F Vapor Density: heavier lighter than air
aporation Rate (Ether = 1): faster slower % Volatile (by vol.): NA Wt./Gal.: NA

SECTION IV — FIRE AND EXPLOSION HAZARD DATA

lity Classification: Extremely Flammable Flashpoint: <0°F (TCC)
Media: NFPA Class B Extinguishers (carbon dioxide, dry chemical or foam)

e-Fighting Procedures: Full protective equipment including self-contained pparatus should be used. Water spray may be ineffective, but may be used d containers to prevent pressure buildup and possible autoignition or explosion. vater is used, fog nozzles are preferred.

usual Fire and Explosion Hazards: Do not spray near sparks or open flame. Do not oke while spraying. Exposure to heat or prolonged exposure to the sun may cause sting. Do not puncture or incinerate.

PRODUCT CLASS: Aerosol
MFG. CODE NO.: 2115, 2169, 2182
TRADE NAME: Hard Hat® Aerosols

SECTION II — HAZARDOUS INGREDIENTS

INGREDIENT / CAS No.	Wt. %	TLV-PPM-mg/m	LEL	mm Hg@20C
Xylol/1330-20-7	5 - 15%*	100 skin	1.0%	9.5
Toluene/108-88-3	25 - 50%*	100 skin	1.2%	22.0
n-Propyl Alcohol/71-23-8	0 - 2%*	200 skin	2.1%	15.0
Propellant/74-98-6 (Aliphatic Hydrocarbons)	25%*	1000	1.9%	70psig

* Nearest 5%

SECTION III — PHYSICAL DATA

Boiling Range: Below 0°F Vapor Density: heavier lighter than air
Evaporation Rate (Ether = 1): faster slower % Volatile (by vol.): NA Wt./Gal.: NA

SECTION IV — FIRE AND EXPLOSION HAZARD DATA

Flammability Classification: Extremely Flammable Flashpoint: <0°F (TCC)
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, but may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion. If water is used, fog nozzles are preferred.

Unusual Fire and Explosion Hazards: Do not spray near sparks or open flame. Do not smoke while spraying. Exposure to heat or prolonged exposure to the sun may cause bursting. Do not puncture or incinerate.

ODUCT CLASS: Aerosol
G. CODE NO.: All Topcoats
ADE NAME: Hard Hat® Aerosols

SECTION II — HAZARDOUS INGREDIENTS

REDIENT / CAS No.	Wt. %	TLV-PPM-mg/m	LEL	mm Hg@20C
l/1330-20-7	5 - 20%*	100 skin	1.0%	9.5
hylene Chloride/75-09-3	15 - 20%*	100	NA	340
ene/108-88-3	5 - 10%*	100 skin	1.2%	22.0
&P Naphtha/8030-30-6	5%*	300	0.9%	2.0
ylene Glycol Butyl ther/111-76-2	5%*	25 skin	1.1%	0.9
hyl Ethyl Ketone/78-93-3	0 - 3%	200	1.8%	70.0
pellant/74-98-6 phatic Hydrocarbons)	25%*	1000	1.9%	70psig

arest 5%

SECTION III — PHYSICAL DATA

ing Range: Below 0°F Vapor Density: heavier lighter than air
poration Rate (Ether = 1): faster slower % Volatile (by vol.): NA Wt./Gal.: NA

SECTION IV — FIRE AND EXPLOSION HAZARD DATA

assification: Extremely Flammable Flashpoint: <0°F (TCC)
ng Media: NFPA Class B Extinguishers (carbon dioxide, dry chemical or foam)

cial Fire-Fighting Procedures: Full protective equipment including self-contained thing apparatus should be used. Water spray may be ineffective, but may be used ol closed containers to prevent pressure buildup and possible autoignition or explosion. ter is used, fog nozzles are preferred.

sual Fire and Explosion Hazards: Do not spray near sparks or open flame. Do not ke while spraying. Exposure to heat or prolonged exposure to the sun may cause ting. Do not puncture or incinerate.

PRODUCT CLASS: Aerosol
MFG. CODE NO.: 2233, 2242, 2255, 2264
TRADE NAME: Hard Hat® Fluorescent Topcoats

SECTION II — HAZARDOUS INGREDIENTS

INGREDIENT / CAS No.	Wt. %	TLV-PPM-mg/m	LEL	mm Hg@20C
Hexane/110-54-3	30%*	500	1.1%	137
Toluene/108-88-3	10%*	100 skin	1.2%	22.0
Mineral Spirits/8030-30-6	15%*	500	1.0%	2.0
Propellant/74-98-6 (Aliphatic Hydrocarbons)	30%*	1000	1.9%	70psig

* Nearest 5%

SECTION III — PHYSICAL DATA

Boiling Range: Below 0°F Vapor Density: heavier lighter than air
Evaporation Rate (Ether = 1): faster slower % Volatile (by vol.): NA Wt./Gal.: NA

SECTION IV — FIRE AND EXPLOSION HAZARD DATA

Flammability Classification: Extremely Flammable Flashpoint: <0°F (TCC)
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, but may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion. If water is used, fog nozzles are preferred.

Unusual Fire and Explosion Hazards: Do not spray near sparks or open flame. Do not smoke while spraying. Exposure to heat or prolonged exposure to the sun may cause bursting. Do not puncture or incinerate.

SECTION V — HEALTH HAZARD DATA

Effects of Overexposure:

Acute (Inhalation): Anesthetic, irritation of the respiratory tract or acute nervous system depression characterized by headache, dizziness, staggering, confusion, unconsciousness or coma.

Acute (Skin or Eye Contact): Primary irritant.

Chronic: Reports have shown repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage.

Emergency and First Aid Procedures:

Fumes: Remove from exposure, restore breathing, and notify a physician.

Spray (Eyes): Flush immediately with large amounts of water for at least 15 minutes. Notify a physician.

Splash (Skin): Wash affected area with soap and water, and remove contaminated clothing.

SECTION VI — REACTIVITY DATA

Stability: Unstable Stable **Incompatible:** With Strong Oxidizing Agents

Hazardous Decomposition Products: By Open Flame — Carbon Monoxide and Carbon Dioxide

Hazardous Polymerization: May Occur 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 nonsparking 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 a Bureau of Mines approved mechanical filter respirator to remove solid airborne particles of overspray during spray application. **In Confined Areas:** Use Bureau of Mines approved airline type respirators or hoods.

Eye Protection: Use safety eyewear designed to protect against splash of liquids.

Other Protective Equipment: Use gloves to prevent prolonged skin contact.

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

SECTION IX — SPECIAL PRECAUTIONS

Handling and Storage Precautions: DO NOT store above 120°F. DO NOT puncture.

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