

Material Safety Data Sheet

SECTION I - Material Identity

SECTION II - Manufacturer's Information

SECTION III - Physical/Chemical Characteristics

SECTION IV - Fire and Explosion Hazard Data

SECTION V - Reactivity Data

SECTION VI - Health Hazard Data

SECTION VII - Precautions for Safe Handling and Use

SECTION VIII - Control Measures

SECTION IX - Label Data

SECTION X - Transportation Data

SECTION XI - Site Specific/Reporting Information

SECTION XII - Ingredients/Identity Information

SECTION I - Material Identity

Item Name

Part Number/Trade Name

COLD GALVANIZING COMPOUND

9905183 2185 838 HARD HAT

AEROSOL

National Stock Number	8010P7785830
CAGE Code	08882
Part Number Indicator	A
MSDS Number	191216
HAZ Code	B

SECTION II - Manufacturer's Information

Manufacturer Name	RUST-OLEUM CORP
P.O. Box	N/K
Street	11 HAWTHORN PKWY
City	VERNON HILLS
State	IL
Country	US
Zip Code	60061-1583
Emergency Phone	800-424-9300 CHEMTREC
Information Phone	847-367-7700

MSDS Preparer's Information

Date MSDS Prepared/Revised	02FEB01
----------------------------	---------

Date of Technical Review 01FEB93

Active Indicator Y

Alternate Vendors

SECTION III - Physical/Chemical Characteristics

Appearance/Odor GALVANIZING AEROSOL PAINT

Boiling Point -34-284 F

Melting Point NR

Vapor Pressure ND

Vapor Density > AIR

Specific Gravity 1.0019

Evaporation Rate > ETHER

Solubility in Water SLIGHT

Chemical pH ND

Container Type R

Container Pressure Code 2

Temperature Code 4

Product State Code L

SECTION IV - Fire and Explosion Hazard Data

Flash Point	-99
Flash Point Method	NA
Lower Explosion Limit	1.0
Upper Explosion Limit	9.5
Extinguishing Media	DRY CHEMICAL, FOAM, WATER FOG
Special Fire Fighting Procedures	EVACUATE AREA AND FLIGHT FIRE FROM A SAFE DISTANCE
Unusual Fire/Explosion Hazards	WATER SPRAY MAY BE INEFFECTIVE. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT DUE TO BUILDUP OF STEAM. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREMEM HEAT. VAPORS MAY ORM EXPLOSIVE MIXTURES WITH AIR. VAPORS CAN TRAVEL TO A SOURCE OF IGNITION AND FLASH BACK.

KEEP CONTAINERS TIGHTLY
CLOSED. ISOLATE FROM
PRESSURIZED CONTAINER MAY
CAUSE BURSTING OF THE
CAN. CLOSED CONTAINERS
MAY EXPLODE WHEN EXPOSED
TO EXTREME HEAT

SECTION V - Reactivity Data

Stability	YES
Stability Conditions to Avoid	AVOID TEMPERATURES ABOVE 120 F. AVOID ALL POSSIBLE SOURCES OF IGNITION
Materials to Avoid	INCOMPATIBLE WITH STRONG OXIDIZING AGENTS, STRONG ACIDS AND STRONG ALKALIES
Hazardous Decomposition Products	BY OPEN FLAME, CARBON MONOXIDE AND CARBON DIOXIDE
Hazardous Polymerization	NO

Polymerization Conditions to Avoid

WILL NOT OCCUR UNDER

NORMAL CONDITIONS

SECTION VI - Health Hazard Data

Route of Entry: Skin

YES

Route of Entry: Ingestion

YES

Route of Entry: Inhalation

YES

Health Hazards - Acute and Chronic

[INHALE] HARMFUL IF
INHALED. HIGH GAS, VAPOR,
MIST OR DUST
CONCENTRATIONS MAY BE
HARMFUL IF INHALED. AVOID
BREATHING VAPORS OR
MISTS. HIGH VAPOR
CONCENTRATIONS ARE
IRRITATING TO THE EYES,
NOSE, THROAT AND LUNGS.
[EYE] IRRITATION [SKIN]
MAY CAUSE SLIGHT SKIN
IRRITATION. PROLONGED OR
REPEATED CONTACT MAY

CAUSE SKIN IRRITATION.

MAY BE HARMFUL IF

ABSORBED THROUGH THE

SKIN. [INHAL] HARMFUL,

HIGH GAS, VAPOR, MIST OR

DUST CONCENTRATIONS MAY

BE HARMFUL IF INHALED.

AVOID BREATHING VAPORS OR

MISTS

Carcinogenity: NTP

NO

Carcinogenity: IARC

NO

Carcinogenity: OSHA

NO

Explanation of Carcinogenity

NONE

Symptoms of Overexposure

EYE-CAUSES EYE

IRRITATION. SKIN-

SUBSTANCE MAY CAUSE

SLIGHT SKIN IRRITATION.

PROLONGED OR REPEATED

CONTACT MAY CAUSE SKIN

IRRITATION. INHAL-HARMFUL

IF INHALED. HIGH GAS,

VAPOR, MIST OR DUST
CONCENTRATIONS MAY BE
HARMFUL IF INHALED. AVOID
BREATHING VAPORS OR
MISTS. HIGH VAPOR
CONCENTRATIONS ARE
IRRITATING TO THE EYES,
NOSE, THROAT AND LUNGS.
INGEST- SUBSTANCE MAY BE
HARFUL IF SWALLOWED.
ASPIRATION HAZARD IF
SWALLOWED; CAN ENTER
LUNGS AND CAUSE DAMAGE
MAY CAUSE CENTRAL NERVOUS
SYSTEM DISORDER (E.G.,
NARCOSIS INVOLVING A LOSS
OF COORDINATION,
WEAKNESS, FATIGUE,
MENTAL CONFUSION, AND
BLURRED VISION)

Medical Cond. Aggravated by Exposure

Emergency/First Aid Procedures

EYE-HOLD EYELIDS APART
AND FLUSH WITH PLENTY OF
WATER FOR AT LEAST 15
MIN. GET MED. ATTENT.
SKIN-WASH WITH SOAP AND
WATER. GET MED. ATTENT.
IF IRRITATION DEVELOPS OR
PERSISTS. INHAL-NO
INFORMATION. INGEST-
ASPIRATION HAZARD; DO NOT
INDUCE VOMITING OR GIVE
ANYTHING BY MOUTH BECAUSE
THIS MATERIAL CAN ENTER
THE LUNGS AND CAUSE
SEVERE LUNG DAMAGE. GET
IMMEDIATE MEDICAL
ATTENTION

SECTION VII - Precautions for Safe Handling and Use

Steps if Material Released/Spilled

EVACUATE THE AREA, REMOVE ALL SOURCES OF IGNITION AND VENTILATE WELL. CONTAIN SPILLED LIQUID WITH SAND OR EARTH. DO NOT USE CONBUSIBLE MATERIALS SUCH AS SAWDUST. REMOVE ALL SOURCES OF IGNITION, VENTILATE AREA AND REMOVE WITH INERT ABSORBENT AND NON-SPARKING TOOLS

Neutralizing Agent

NR

Waste Disposal Method

DISPOSE OF IN ACCORDANCE W/LOCAL, STATE, & FEDERAL REGULATIONS. DO NOT ALLOW TO ENTER STORM DRAINS OR SEWERS

Handling and Storage Precautions

KEEP CONTAINERS TIGHTLY
CLOSED. ISOLATE FROM
HEAT, ELECTRICAL
EQUIPMENT, SPARKS AND
OPEN FLAME. DO NOT STORE
ABOVE 120 DEG. F. STORE
LARGE QUANTITIES IN BLDG.
DESIGNED AND PROTECTED
FOR STORAGE OF NFPA CLASS
I FLAMMABLE LIQUIDS.
CONTENTS UNDER PRESSURE.
DO NOT EXPOSE TO HEAT OR
STORE ABOVE 120 DEG

Other Precautions

NR

SECTION VIII - Control Measures

Respiratory Protection

A RESPIRATORY PROTECTION PROGRAM THAT MEETS OSHA REQUIREMENTS MUST BE FOLLOWED WHENEVER WORKPLACE CONDITIONS WARRANT AND RESPIRATOR'S USE

Ventilation

LOCAL EXHAUST VENTILATION, OR OTHER ENGINEERING CONTROLS TO CONTROL AIRBORNE LEVELS BELOW RECOMMENDED EXPOSURE LIMITS

Protective Gloves

IMPERVIOUS GLOVES - NITRILE OR NEOPRENE

Eye Protection

SAFETY GLASSES TO PROTECT AGAINST SPLASH

Other Protective Equipment

IMPERVIOUS CLOTHING

Work Hygienic Practices

REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE

Supplemental Health/Safety Data N/K

SECTION IX - Label Data

Protect Eye	YES
Protect Skin	YES
Protect Respiratory	YES
Chronic Indicator	YES
Contact Code	SLIGHT
Fire Code	UNKNOWN
Health Code	UNKNOWN
React Code	UNKNOWN
Specific Hazard and Precaution	TARGET ORGANS: CENTRAL NERVOUS SYSTEM, LIVER, KIDNEY, LUNG, SPLEEN, EYE, BLOOD, CARDIOVASCULAR SYSTEM

SECTION X - Transportation Data

SECTION XI - Site Specific/Reporting Information

Volatile Organic Compounds (P/G)	5.6219
Volatile Organic Compounds (G/L)	673.722

SECTION XII - Ingredients/Identity Information

Ingredient #	01
Ingredient Name	(ZNCPD) ZINC
CAS Number	7440666
Proprietary	NO
Percent	50
OSHA PEL	NR
ACGIH TLV	10MG/M3
Recommended Limit	NONE SPECIFIED
Ingredient #	02
Ingredient Name	TOLUENE
CAS Number	108883
Proprietary	NO
Percent	25
OSHA PEL	200 PPM
ACGIH TLV	50 PPM

Recommended Limit	NONE SPECIFIED
Ingredient #	03
Ingredient Name	LIQUIFIED PETROLEUM GAS
CAS Number	68476857
Percent	15
OSHA PEL	1000 PPM
ACGIH TLV	1000 PPM
Recommended Limit	NONE SPECIFIED
Ingredient #	04
Ingredient Name	XYLENE
CAS Number	1330207
Proprietary	NO
Percent	5
OSHA PEL	100 PPM
ACGIH TLV	100 PPM, SKIN
Recommended Limit	100 PPM
Ingredient #	05
Ingredient Name	ALIPHATIC HYDROCARBON
CAS Number	64742478

Proprietary	NO
Percent	5
OSHA PEL	NE
ACGIH TLV	100 PPM
Recommended Limit	NONE SPECIFIED
Ingredient #	06
Ingredient Name	ETHYLBENZENE
CAS Number	100414
Proprietary	NO
Percent	5
OSHA PEL	100 PPM
ACGIH TLV	100 PPM
Ingredient #	07
Ingredient Name	EPOXY ESTER RESIN
CAS Number	66070755
Percent	0
OSHA PEL	NR
ACGIH TLV	NR
Recommended Limit	NONE SPECIFIED

