

ITEM: 5W180 - Cold Galvanizing Compound 20 oz**MSDS: B9595****ORDER: 0126566849****LP NUMBER: U858417853****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 - B9595Associated Grainger Items
5W180, 5W909

MATERIAL SAFETY DATA SHEET

24 HOUR ASSISTANCE:
1-847-367-7700
RUST-OLEUM CORP.

WWW.RUSTOLEUM.COM

----- **SECTION 1 - CHEMICAL PRODUCT / COMPANY INFORMATION** -----

PRODUCT NAME: ROHPER LSPPR 6PK FLAT COLD GALV COMPOUND

IDENTIFICATION NUMBER: V2185838

PRODUCT USE/CLASS: GALVANIZING COMPOUND/AEROSOL

SUPPLIER:
RUST-OLEUM CORPORATION
11 HAWTHORN PARKWAY
VERNON HILLS, IL 60061
USA

PREPARER: REGULATORY DEPARTMENT

MANUFACTURER:
RUST-OLEUM CORPORATION
11 HAWTHORN PARKWAY
VERNON HILLS, IL 60061
USA

REVISION DATE: 03/21/2011

----- **SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS** -----

CHEMICAL NAME	CAS NUMBER	WEIGHT % LESS THAN	ACGIH TLV-TWA	ACGIH TLV-STEL	OSHA PEL-TWA
ZINC	7440-66-6	50.0	10 MG/M3 (DUST)	N.E.	15 MG/M3 (DUST)
TOLUENE	108-88-3	25.0	20 PPM	N.E.	200 PPM
LIQUEFIED PETROLEUM GAS	68476-86-8	20.0	N.E.	N.E.	N.E.
MINERAL SPIRITS	64742-88-7	10.0	100 PPM	N.E.	100 PPM
STODDARD SOLVENTS	8052-41-3	5.0	100 PPM	N.E.	500 PPM
ETHYLBENZENE	100-41-4	1.0	100 PPM	125 PPM	100 PPM

CHEMICAL NAME	OSHA PEL CEILING
ZINC	N.E.
TOLUENE	300 PPM
LIQUEFIED PETROLEUM GAS	N.E.
MINERAL SPIRITS	N.E.
STODDARD SOLVENTS	N.E.
ETHYLBENZENE	N.E.

----- **SECTION 3 - HAZARDS IDENTIFICATION** -----EMERGENCY OVERVIEW:
CONTENTS UNDER PRESSURE. HARMFUL IF INHALED. MAY AFFECT THE BRAIN OR
NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE OR NAUSEA. VAPORS MAY CAUSE
FLASH FIRE OR EXPLOSION. HARMFUL IF SWALLOWED. EXTREMELY FLAMMABLE LIQUID
AND VAPOR.

EFFECTS OF OVEREXPOSURE - EYE CONTACT: CAUSES EYE IRRITATION.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT:
PROLONGED OR REPEATED CONTACT MAY CAUSE SKIN IRRITATION. SUBSTANCE MAY
CAUSE SLIGHT SKIN IRRITATION.EFFECTS OF OVEREXPOSURE - INHALATION:
HIGH VAPOR CONCENTRATIONS ARE IRRITATING TO THE EYES, NOSE, THROAT AND
LUNGS. AVOID BREATHING VAPORS OR MISTS. HIGH GAS, VAPOR, MIST OR DUST
CONCENTRATIONS MAY BE HARMFUL IF INHALED. HARMFUL IF INHALED.EFFECTS OF OVEREXPOSURE - INGESTION:
ASPIRATION HAZARD IF SWALLOWED; CAN ENTER LUNGS AND CAUSE DAMAGE.
SUBSTANCE MAY BE HARMFUL IF SWALLOWED.EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS:
MAY CAUSE CENTRAL NERVOUS SYSTEM DISORDER (E.G., NARCOSIS INVOLVING A
LOSS OF COORDINATION, WEAKNESS, FATIGUE, MENTAL CONFUSION, AND BLURRED
VISION) AND/OR DAMAGE. REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED
OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS
SYSTEM DAMAGE.PRIMARY ROUTE(S) OF ENTRY:
SKIN CONTACT, SKIN ABSORPTION, INHALATION, INGESTION, EYE CONTACT----- **SECTION 4 - FIRST AID MEASURES** -----*****
FIRST AID - EYE CONTACT:
IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES
HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. DO NOT ALLOW RUBBING OF EYES
OR KEEPING EYES CLOSED.FIRST AID - SKIN CONTACT:
WASH WITH SOAP AND WATER. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS OR
PERSISTS.FIRST AID - INHALATION:
IF YOU EXPERIENCE DIFFICULTY IN BREATHING, LEAVE THE AREA TO OBTAIN FRESH
AIR. IF CONTINUED DIFFICULTY IS EXPERIENCED, GET MEDICAL ASSISTANCE
IMMEDIATELY.

FIRST AID - INGESTION:

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 5 - FIRE FIGHTING MEASURES** -----

FLASH POINT: -156 F (SETAFLASH)

EXTINGUISHING MEDIA:
FILM FORMING FOAM, CARBON DIOXIDE, DRY CHEMICAL, WATER FOG

UNUSUAL FIRE AND EXPLOSION HAZARDS:

FLASH POINT IS LESS THAN 20 DEG. F. - EXTREMELY FLAMMABLE LIQUID AND
VAPOR!PERFORATION OF THE PRESSURIZED CONTAINER MAY CAUSE BURSTING OF THE CAN.
ISOLATE FROM HEAT, ELECTRICAL EQUIPMENT, SPARKS AND OPEN FLAME. WATER
SPRAY MAY BE INEFFECTIVE. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO
EXTREME HEAT. VAPORS MAY FORM EXPLOSIVE MIXTURES WITH AIR. VAPORS CAN
TRAVEL TO A SOURCE OF IGNITION AND FLASH BACK. KEEP CONTAINERS TIGHTLY
CLOSED.SPECIAL FIREFIGHTING PROCEDURES:
EVACUATE AREA AND FIGHT FIRE FROM A SAFE DISTANCE.----- **SECTION 6 - ACCIDENTAL RELEASE MEASURES** -----STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:
REMOVE ALL SOURCES OF IGNITION. VENTILATE AREA AND REMOVE WITH INERT
ABSORBENT AND NON-SPARKING TOOLS. DISPOSE OF ACCORDING TO LOCAL, STATE
(PROVINCIAL) AND FEDERAL REGULATIONS. DO NOT INCINERATE CLOSED CONTAINERS.
CONTAIN SPILLED LIQUID WITH SAND OR EARTH. DO NOT USE COMBUSTIBLE
MATERIALS SUCH AS SAWDUST.----- **SECTION 7 - HANDLING AND STORAGE** -----HANDLING:
WASH THOROUGHLY AFTER HANDLING. WASH HANDS BEFORE EATING. AVOID BREATHING
VAPOR OR MIST. USE ONLY IN A WELL-VENTILATED AREA. FOLLOW ALL MSDS/LABEL
PRECAUTIONS EVEN AFTER CONTAINER IS EMPTIED BECAUSE IT MAY RETAIN PRODUCT
RESIDUES.STORAGE:
KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, ELECTRICAL EQUIPMENT,
SPARKS AND OPEN FLAME. DO NOT STORE ABOVE 120 DEG. F. STORE LARGE
QUANTITIES IN BUILDINGS DESIGNED AND PROTECTED FOR STORAGE OF NFPA
CLASS I FLAMMABLE LIQUIDS. CONTENTS UNDER PRESSURE. DO NOT EXPOSE TO
HEAT OR STORE ABOVE 120 DEG. F.----- **SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION** -----ENGINEERING CONTROLS:
PREVENT BUILD-UP OF VAPORS BY OPENING ALL DOORS AND WINDOWS TO ACHIEVE
CROSS-VENTILATION. USE EXPLOSION-PROOF VENTILATION EQUIPMENT. USE PROCESS
ENCLOSURES, LOCAL EXHAUST VENTILATION, OR OTHER ENGINEERING CONTROLS TO
CONTROL AIRBORNE LEVELS BELOW RECOMMENDED EXPOSURE LIMITS.RESPIRATORY PROTECTION:
A RESPIRATORY PROTECTION PROGRAM THAT MEETS OSHA 1910.134 AND ANSI Z88.2
REQUIREMENTS MUST BE FOLLOWED WHENEVER WORKPLACE CONDITIONS WARRANT A
RESPIRATOR'S USE. A NIOSH/MSHA APPROVED AIR PURIFYING RESPIRATOR WITH AN
ORGANIC VAPOR CARTRIDGE OR CANISTER MAY BE PERMISSIBLE UNDER CERTAIN
CIRCUMSTANCES WHERE AIRBORNE CONCENTRATIONS ARE EXPECTED TO EXCEED
EXPOSURE LIMITS.PROTECTION PROVIDED BY AIR PURIFYING RESPIRATORS IS LIMITED. USE A
POSITIVE PRESSURE AIR SUPPLIED RESPIRATOR IF THERE IS ANY POTENTIAL FOR
AN UNCONTROLLED RELEASE, EXPOSURE LEVELS ARE NOT KNOWN, OR IN ANY OTHER
CIRCUMSTANCES WHERE AIR PURIFYING RESPIRATORS MAY NOT PROVIDE ADEQUATE
PROTECTION.SKIN PROTECTION:
NITRILE OR NEOPRENE GLOVES MAY AFFORD ADEQUATE SKIN PROTECTION. USE
IMPERVIOUS GLOVES TO PREVENT SKIN CONTACT AND ABSORPTION OF THIS MATERIAL
THROUGH THE SKIN.EYE PROTECTION:
USE SAFETY EYEWEAR DESIGNED TO PROTECT AGAINST SPLASH OF LIQUIDS.OTHER PROTECTIVE EQUIPMENT:
REFER TO SAFETY SUPERVISOR OR INDUSTRIAL HYGIENIST FOR FURTHER INFORMATION
REGARDING PERSONAL PROTECTIVE EQUIPMENT AND ITS APPLICATION.HYGIENIC PRACTICES:
WASH THOROUGHLY WITH SOAP AND WATER BEFORE EATING, DRINKING OR SMOKING.----- **SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES** -----

VAPOR DENSITY: HEAVIER THAN AIR

APPEARANCE: LIQUID

SOLUBILITY IN H2O: SLIGHT

SPECIFIC GRAVITY: 1.318

PHYSICAL STATE: LIQUID

ODOR: SOLVENT LIKE

EVALUATION RATE: FASTER THAN ETHER

FREEZE POINT: N.D.

pH: N.A.

(SEE SECTION 16 FOR ABBREVIATION LEGEND)

SECTION 10 - STABILITY AND REACTIVITY

CONDITIONS TO AVOID:
AVOID TEMPERATURES ABOVE 120 DEG. F. AVOID ALL POSSIBLE SOURCES OF IGNITION.

INCOMPATIBILITY:
INCOMPATIBLE WITH STRONG OXIDIZING AGENTS, STRONG ACIDS AND STRONG ALKALIES.

HAZARDOUS DECOMPOSITION:
BY OPEN FLAME, CARBON MONOXIDE AND CARBON DIOXIDE. WHEN HEATED TO DECOMPOSITION, IT EMITS ACRID SMOKE AND IRRITATING FUMES.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR UNDER NORMAL CONDITIONS.

STABILITY: THIS PRODUCT IS STABLE UNDER NORMAL STORAGE CONDITIONS.

SECTION 11 - TOXICOLOGICAL INFORMATION

CHEMICAL NAME	LD50	LC50
ZINC	N.E.	N.E.
TOLUENE	636 MG/KG (RAT, ORAL)	>26700 PPM (RAT, INHALATION, 1HR)
LIQUEFIED PETROLEUM GAS	N.E.	N.E.
MINERAL SPIRITS	>5000 MG/KG (RAT, ORAL)	>1400 PPM (RAT, INHALATION, 4HR)
STODDARD SOLVENTS	N.E.	N.E.
ETHYLBENZENE	3500 MG/KG (RAT, ORAL)	N.E.

SECTION 12 - ECOLOGICAL INFORMATION

ECOTOXIC INFORMATION: PRODUCT IS A MIXTURE OF LISTED COMPONENTS.

SECTION 13 - DISPOSAL INFORMATION

DISPOSAL INFORMATION:
DISPOSE OF MATERIAL IN ACCORDANCE TO LOCAL, STATE AND FEDERAL REGULATIONS AND ORDINANCES. DO NOT ALLOW TO ENTER STORM DRAINS OR SEWER SYSTEMS.

SECTION 14 - TRANSPORTATION INFORMATION

	DOMESTIC (USDOT)	INTERNATIONAL (IMDG)	AIR (IATA)
PROPER SHIPPING NAME	CONSUMER COMMODITY	AEROSOLS	AEROSOLS
HAZARD CLASS	ORM-D	2.1	2.1
UN NUMBER	N.A.	UN1950	UN1950
PACKING GROUP	N.A.	N.A.	N.A.
LIMITED QUANTITY	NO	YES	YES

SECTION 15 - REGULATORY INFORMATION

CERCLA - SARA HAZARD CATEGORY:

THIS PRODUCT HAS BEEN REVIEWED ACCORDING TO THE EPA "HAZARD CATEGORIES" PROMULGATED UNDER SECTIONS 311 AND 312 OF THE SUPERFUND AMENDMENT AND REAUTHORIZATION ACT OF 1986 (SARA TITLE III) AND IS CONSIDERED, UNDER APPLICABLE DEFINITIONS, TO MEET THE FOLLOWING CATEGORIES:
IMMEDIATE HEALTH HAZARD, CHRONIC HEALTH HAZARD, FIRE HAZARD

SARA SECTION 313:

LISTED BELOW ARE THE SUBSTANCES (IF ANY) CONTAINED IN THIS PRODUCT THAT ARE SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENT AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372:

CHEMICAL NAME	CAS NUMBER
ZINC	7440-66-6
TOLUENE	108-88-3

TOXIC SUBSTANCES CONTROL ACT:

LISTED BELOW ARE THE SUBSTANCES (IF ANY) CONTAINED IN THIS PRODUCT THAT ARE SUBJECT TO THE REPORTING REQUIREMENTS OF TSCA 12(B) IF EXPORTED FROM THE UNITED STATES:

U.S. STATE REGULATIONS: AS FOLLOWS

NEW JERSEY RIGHT-TO-KNOW:
THE FOLLOWING MATERIALS ARE NON-HAZARDOUS, BUT ARE AMONG THE TOP FIVE COMPONENTS IN THIS PRODUCT.

CHEMICAL NAME

CAS NUMBER

EPOXY ESTER COPOLYMER

PROPRIETARY

PENNSYLVANIA RIGHT-TO-KNOW:
THE FOLLOWING NON-HAZARDOUS INGREDIENTS ARE PRESENT IN THE PRODUCT AT GREATER THAN 3%.

NONE

INTERNATIONAL REGULATIONS: AS FOLLOWS

CANADIAN WHMIS:
THIS MSDS HAS BEEN PREPARED IN COMPLIANCE WITH CONTROLLED PRODUCT REGULATIONS EXCEPT FOR THE USE OF THE 16 HEADINGS.

CANADIAN WHMIS CLASS: AB2 D2A D2B

SECTION 16 - OTHER INFORMATION

NFPA RATINGS:
HEALTH 2
FLAMMABILITY 4
INSTABILITY 0

VOLATILE ORGANIC COMPOUNDS, G/L: 610

REASON FOR REVISION: REGULATORY UPDATE

LEGEND:

N.A. - NOT APPLICABLE
N.E. - NOT ESTABLISHED
N.D. - NOT DETERMINED

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