

ITEM: 5U708 - PAINT SPRAY

PICK REQ: 1134397377

MATERIAL SAFETY DATA SHEET (MSDS)

MSDS: A4386

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

MATERIAL SAFETY DATA SHEET - A4386

Associated Grainger Item: 5U708 - PAINT SPRAY

MATERIAL SAFETY DATA SHEET

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: LOW VOC HH GLOSS WHIT 9801977

IDENTIFICATION NUMBER: V2192 838

DATE PRINTED: 04/19/01

PRODUCT USE/CLASS: HARD HAT/AEROSOL PAINT

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

(847)367-7700 RUST-OLEUM CORP. 8:00 AM-4:30 PM/24-HR EMER. ASSIST

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

(847)367-7700 RUST-OLEUM CORP. 8:00 AM-4:30 PM/24-HR EMER. ASSIST

PREPARER: MIM PHONE: 847-816-2445 PREPARE DATE: 04/19/01

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Table with 4 columns: ITEM, CHEMICAL NAME, CAS NUMBER, WT/WT % LESS THAN. Lists ingredients like LIQUIFIED PETROLEUM GAS, XYLENE, TITANIUM DIOXIDE, etc.

Table with 6 columns: TLV-TWA, TLV-STEL, PEL-TWA, PEL-CEILING, TLV-TWA, SKIN. Shows exposure limits for various items.

(SEE SECTION 16 FOR ABBREVIATION LEGEND)

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: HARMFUL IF INHALED. HARMFUL IF SWALLOWED. EXTREMELY FLAMMABLE LIQUID AND VAPOR. VAPORS MAY CAUSE FLASH FIRE OR EXPLOSION.

EFFECTS OF OVEREXPOSURE - EYE CONTACT: CAUSES EYE IRRITATION.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: SUBSTANCE MAY CAUSE SLIGHT SKIN IRRITATION. PROLONGED OR REPEATED CONTACT MAY CAUSE SKIN IRRITATION.

EFFECTS OF OVEREXPOSURE - INHALATION: HARMFUL IF INHALED. HIGH GAS, VAPOR, MIST OR DUST CONCENTRATIONS MAY BE HARMFUL IF INHALED.

EFFECTS OF OVEREXPOSURE - INGESTION: SUBSTANCE MAY BE HARMFUL IF SWALLOWED. ASPIRATION HAZARD IF SWALLOWED; CAN ENTER LUNGS AND CAUSE DAMAGE.

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).

RY ROUTE (S) OF ENTRY: SKIN ABSORPTION, INHALATION, EYE CONTACT

SECTION 4 - FIRST AID MEASURES

FIRST AID - EYE CONTACT: HOLD EYELIDS APART AND FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION.

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.

SECTION 5 - FIRE FIGHTING MEASURES

FLASH POINT: -99 F

LOWER EXPLOSIVE LIMIT: 1.0% UPPER EXPLOSIVE LIMIT: 12.8%

AUTOIGNITION TEMPERATURE: ND

EXTINGUISHING MEDIA: DRY CHEMICAL, FOAM

UNUSUAL FIRE AND EXPLOSION HAZARDS: FLASH POINT IS LESS THAN 20 DEG. F. - EXTREMELY FLAMMABLE LIQUID AND VAPOR! WATER SPRAY MAY BE INEFFECTIVE.

SPECIAL FIREFIGHTING PROCEDURES: EVACUATE AREA AND FIGHT FIRE FROM A SAFE DISTANCE.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: EVACUATE THE AREA, REMOVE ALL SOURCES OF IGNITION AND VENTILATE WELL.

SECTION 7 - HANDLING AND STORAGE

HANDLING: WASH THOROUGHLY AFTER HANDLING. WASH HANDS BEFORE EATING. USE ONLY IN A WELL-VENTILATED AREA.

STORAGE: KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, ELECTRICAL EQUIPMENT, SPARKS AND OPEN FLAME. DO NOT STORE ABOVE 120 DEGREES F.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: 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.

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

BOILING RANGE: -34-336 F

ODOR: SOLVENT
 APPEARANCE: LIQUID
 SOLUBILITY IN H2O: SLIGHT
 FREEZE POINT: ND
 VAPOR PRESSURE: ND
 PHYSICAL STATE: LIQUID
 RELATIVE DENSITY: IS HEAVIER THAN AIR
 FLASH POINT: ND
 EVAPORATION RATE: IS FASTER THAN ETHER
 SPECIFIC GRAVITY: 1.0921
 pH @ 0.0%: ND
 VISCOSITY: ND
 COEFFICIENT OF WATER/OIL DISTRIBUTION: ND
 (SEE SECTION 16 FOR ABBREVIATION LEGEND)

SECTION 10 - STABILITY AND REACTIVITY

CONDITIONS TO AVOID:
 AVOID TEMPERATURES ABOVE 120 DEGREES F. AVOID ALL POSSIBLE SOURCES OF IGNITION.
 INCOMPATIBILITY:
 INCOMPATIBLE WITH STRONG OXIDIZING AGENTS, STRONG ACIDS AND STRONG ALKALIES.
 HAZARDOUS DECOMPOSITION PRODUCTS:
 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 PROPERTIES

COMPONENT TOXICOLOGICAL INFORMATION:

CHEMICAL NAME	LD50	LC50
LIQUIFIED PETROLEUM GAS	N.E.	N.E.
XYLENE	RAT 4300 MG/KG	RAT 5000 PPM 4HR
TITANIUM DIOXIDE	24000 MG/KG RATS	6820 MG/M3 RATS
ACETONE	RAT 5800 MG/KG	RAT 50100 MG/M3 8H
ETHYLBENZENE	RAT 3500 MG/KG	N.A.
METHYL ETHYL KETONE	RAT 2737 MG/KG	RAT 23500 MG/M3 8HR
ETHYLENE GLYCOL MONOBUTYL ETHER	MOUSE 1519 MG/KG	MOUSE 700PPM 7HR

SECTION 12 - ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION:
 THIS PRODUCT IS A MIXTURE OF LISTED COMPONENTS. ACCORDING TO OUR RAW MATERIAL SUPPLIERS, ALL COMPONENTS ARE LISTED ON THE TSCA INVENTORY AS REQUIRED OR MEET THE POLYMER EXEMPTION AS DEFINED IN SECTION 5.5.2 OF THE TOXIC SUBSTANCES CONTROL ACT.

SECTION 13 - DISPOSAL CONSIDERATIONS

DISPOSAL METHOD:
 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

DOT PROPER SHIPPING NAME: AEROSOL
 DOT TECHNICAL NAME:
 DOT HAZARD CLASS: 2
 HAZARD SUBCLASS: 1
 DOT UN/NA NUMBER: UN1263
 PACKING GROUP:
 RESP. GUIDE PAGE: 126

SECTION 15 - REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS: AS FOLLOWS -
 OSHA:
 HAZARDOUS BY DEFINITION OF HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200)
 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
 SECTION 313:
 THIS PRODUCT CONTAINS THE FOLLOWING SUBSTANCES SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372:

CHEMICAL NAME	CAS NUMBER	T/WT % IS LESS THAN
XYLENE	1330-20-7	20.0 %
ETHYLBENZENE	100-41-4	10.0 %

METHYL ETHYL KETONE 78-93-3 10.0 %
 ETHYLENE GLYCOL MONOBUTYL ETHER 111-76-2 5.0 %

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
ALKYD RESIN SOLUTION	68552-41-0

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

CHEMICAL NAME	CAS NUMBER
ALKYD RESIN SOLUTION	68552-41-0

CALIFORNIA PROPOSITION 65:
 WARNING:
 THE CHEMICAL(S) NOTED BELOW AND CONTAINED IN THIS PRODUCT, ARE KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM:

CHEMICAL NAME	CAS NUMBER
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ACCORDING TO OUR RAW MATERIAL SUPPLIERS NO PROPOSITION 65 CHEMICALS EXIST IN THIS PRODUCT ABOVE OSHA DE MINIMUS LEVELS. ALL PRODUCTS COMPLY WITH LABEL PROVISIONS OF PROPOSITION 65.

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

CANADIAN WHMIS CLASS: A B5 D2A D2B

SECTION 16 - OTHER INFORMATION

HMIS RATINGS:
 HEALTH: 2*
 FLAMMABILITY: 4
 REACTIVITY: 0

PREVIOUS MSDS REVISION DATE: 06/28/00

REASON FOR REVISION: TRANSPORTATION INFORMATION

LEGEND:
 N.A.: NOT APPLICABLE
 N.E.: NOT ESTABLISHED
 N.D.: NOT DETERMINED
 : NO INFORMATION.

THE INFORMATION CONTAINED ON THIS MSDS HAS BEEN CHECKED AND SHOULD BE ACCURATE. HOWEVER, IT IS THE RESPONSIBILITY OF THE USER TO COMPLY WITH ALL FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS.

PRODUCT: V2192 838

PREPARATION DATE: 04/19/01