

## ITEM: 5H912 - Marking Paint Hi Vis Yellow 15 Oz

PICK\_REQ: 1061383294

MATERIAL SAFETY DATA SHEET (MSDS)

MSDS: A9371

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

#####

MAY BE HARMFUL IF SWALLOWED.

Associated OSHA/NIOSH: 680016 Marking Paint Hi Vis Yellow 15 Oz  
IARC LISTS ETHYLBENZENE AS A POSSIBLE HUMAN CARCINOGEN (GROUP 2B).

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 OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. OVEREXPOSURE TO XYLENE IN LABORATORY ANIMALS HAS BEEN ASSOCIATED WITH LIVER-OL ABNORMALITIES, KIDNEY, LUNG, SPLEEN, EYE AND BLOOD DAMAGE AS WELL AS WWW. REPRODUCTIVE DISORDERS. EFFECTS IN HUMANS, DUE TO CHRONIC OVEREXPOSURE, HAVE INCLUDED LIVER, CARDIAC ABNORMALITIES AND NERVOUS SYSTEM DAMAGE. OVEREXPOSURE TO TOLUENE IN LABORATORY ANIMALS HAS BEEN ASSOCIATED WITH LIVER ABNORMALITIES, KIDNEY, LUNG AND SPLEEN DAMAGE. EFFECTS IN HUMANS HAVE INCLUDED LIVER AND CARDIAC ABNORMALITIES.

RUST-OLEUM HIGH PERFORMANCE INDUSTRIA

PRIMARY ROUTE(S) OF ENTRY:

SKIN CONTACT, SKIN ABSORPTION, INHALATION, EYE CONTACT

IDENTIFICATION NUMBER:

V2324838, V2345838, V2345838, V234838, V2392838, V2363838

## SECTION 4 - FIRST AID MEASURES

PROD

FIRST AID - EYE CONTACT:

HOLD EYELIDS APART AND FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION.

RUST-

11 HAWTHORN PARKWAY

PERSONAL PROTECTIVE EQUIPMENT:

WASH WITH SOAP AND WATER. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS OR PERSISTS.

MANUFACTURER:

RUST-OLEUM CORPORATION

IF YOU EXPERIENCE DIFFICULTY BREATHING LEAVE THE AREA TO OBTAIN FRESH AIR. IF CONTINUED DIFFICULTY IS EXPERIENCED, GET MEDICAL ASSISTANCE IMMEDIATELY.

VERNON USA

FEDERAL RESERVE DEPARTMENT

ASPIRATION HAZARD:

DO NOT INDUCE VOMITING OR INDUCE GASTRIC PUMPING BECAUSE THIS MATERIAL CAN ENTER THE LUNGS AND CAUSE SEVERE LUNG DAMAGE. GET IMMEDIATE MEDICAL ATTENTION.

## SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME SECTION NUMBER FIGHTING MEASURES % LESS THAN

FLASH POINT: -156 F (SETAFLASH) 67-64-1 30.0

LOWER FLAMMABLE LIMIT: 0.7 % 68476-86-8 30.0

UPPER EXPLOSIVE LIMIT: 12.8 %

ALIPHATIC HYDROCARBON 64742-89-8

EXTINGUISHING MEDIA: DRY CHEMICAL, FOAM, WATER FOG

TITANIUM DIOXIDE

UNUSUAL FIRE AND EXPLOSION HAZARDS:

WATER SPRAY MAY BE INEFFECTIVE. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT. VAPORS MAY FORM EXPLOSIVE MIXTURES WITH AIR. 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. VAPORS TRAVEL TO A SOURCE OF IGNITION AND FLASH BACK. KEEP CONTAINERS TIGHTLY CLOSED.

MAGNESIUM

FIGHTING PROCEDURES: 100-41-4

5.0

EVACUATE AREA AND FIGHT FIRE FROM A SAFE DISTANCE.

PIGMENT YELLOW 73

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

CHEM

STEPS TO BE TAKEN IMMEDIATELY TO PREVENT OR MINIMIZE RELEASES: CONTAIN SPILLED LIQUID WITH SAND OR EARTH. DO NOT USE COMBUSTIBLE MATERIALS SUCH AS SAWDUST. REMOVE ALL SOURCES OF IGNITION, VENTILATE AREA AND REMOVE ACET WITH INERT ABSORBENT AND NON-SPARKING TOOLS. DISPOSE OF ACCORDING TO LOCAL, STATE (PROVINCIAL) AND FEDERAL REGULATIONS. DO NOT INCINERATE CLOSED CONTAINERS.

LIQUID GAS

ALIPHATIC HYDROCARBON 300 PPM N.E. 300 PPM N.E.

## SECTION 7 - HANDLING AND STORAGE

TITA

HANDLING:

WASH HANDS BEFORE EATING. WASH THOROUGHLY AFTER HANDLING. USE ONLY IN A WELL-VENTILATED AREA. AVOID BREATHING VAPOR OR MIST. FOLLOW ALL MSDS/LABEL PRECAUTIONS EVEN AFTER CONTAINER IS EMPTIED BECAUSE IT MAY RETAIN PRODUCT RESIDUES.

XYLENE 100 PPM 150 PPM 100 PPM N.E.

STORAGE:

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

PIGMENT

## SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

USE PROCESS ENCLOSURES OR EQUIPMENT WITH LOCAL EXHAUST VENTILATION. USE EXHAUST SYSTEMS TO CONTROL AIRBORNE LEVELS BELOW RECOMMENDED EXPOSURE LIMITS. EXPLOSION-PROOF VENTILATION EQUIPMENT. PREVENT BUILD-UP OF VAPORS BY OPENING ALL DOORS AND WINDOWS TO ACHIEVE CROSS-VENTILATION.

EFFECTS OF OVEREXPOSURE -

RESPIRATORY PROTECTION:

A RESPIRATORY PROTECTION PROGRAM MUST BE FOLLOWED WHENEVER WORKPLACE CONDITIONS WARRANT PROLONGED RESPIRATOR'S USE. A NIOSH/MSHA APPROVED AIR PURIFYING RESPIRATOR WITH AN SLIGHT ORGANIC VAPOR CARTRIDGE OR CANISTER MAY BE PERMISSIBLE UNDER CERTAIN CIRCUMSTANCES WHERE AIRBORNE CONCENTRATIONS ARE EXPECTED TO EXCEED EXPOSURE LIMITS.

HIGH

LUNGS. AVOID BREATHING VAPORS OR MISTS. HIGH GAS, VAPOR, MIST OR DUST EXPOSURE MAY BE HARMFUL. IF THERE IS ANY POTENTIAL FOR AN UNCONTROLLED RELEASE, EXPOSURE LEVELS ARE NOT KNOWN, OR ANY OTHER EFFECTS OF CIRCUMSTANCES WHERE AIR PURIFYING RESPIRATORS MAY NOT PROVIDE ADEQUATE PROTECTION.

## SECTION 15 - REGULATORY INFORMATION

SKIN

NEED TO BE WEARED TO AFFORD ADEQUATE SKIN PROTECTION. THIS PRODUCT HAS BEEN REVIEWED AND FOUND TO BE A HAZARD. CONTACT 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: EYE PRO IMMEDIATE HEALTH HAZARD USE SAFETY EYEWEAR CHRONIC HEALTH HAZARD FIRE HAZARD OTHER PROTECTIVE EQUIPMENT:

REFER TO SAFETY SUPERVISOR OR INDUSTRIAL HYGIENIST FOR FURTHER INFORMATION. RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT AND ITS APPLICATION. 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 HYGI SUPERFUND AMENDMENT AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372: WASH TH

CHEMICAL NAME	CAS NUMBER	SECTION 9 - PHYSICAL AND C
TOLUENE	108-88-3	BOILING RANGE: -34 - 900 F
XYLENE	1330-20-7	VAPOR DENSITY: HEAVIER THAN AIR
ETHYLBENZENE	100-41-4	ODOR: SOLVENT LIKE

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: NONE KNOWN APPEAR

EVAPORATION RATE: 0.8990 CAS NUMBER

THE FOLLOWING MATERIALS ARE NON-HAZARDOUS, BUT ARE AMONG THE TOP FIVE COMPONENTS IN THIS PRODUCT. FREEZE

WATER SOLUBILITY: 0.8990 CAS NUMBER

VAPOR PRESSURE: 1317-65-3

MIXTURED ALKYL PROPRIETARY

THE FOLLOWING NON-HAZARDOUS INGREDIENTS ARE PRESENT IN THE PRODUCT AT GREATER THAN 3%. (SEE SE

CHEMICAL NAME	CAS NUMBER	SECTION 10 - STABILITY
CALCIUM CARBONATE	1317-65-3	CONDITIONS TO AVOID:

AVOID ALL POSSIBLE SOURCES OF IGNITION. INCOMPATIBLE WITH STRONG OXIDIZING AGENTS, STRONG AC

WARNING! HAZARDOUS DECOMPOSITION: THIS PRODUCT MAY BE EXPOSED TO DECOMPOSITION. DECOMPOS

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR UNDER NORMAL CONDITIONS. THIS PRODUCT MAY BE EXPOSED TO DECOMPOSITION. DECOMPOS

CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

## INTERNATIONAL REGULATIONS: 1. AS TOXICOLOGICAL INFORMATION

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

CANADIAN WHMIS CLASS: AB5, D2A, D2B	CHEMICAL NAME
ACETONE	N.D.

LIQUEFIED PETROLEUM GAS	SECTION 16 - OTHER INFORMATION	N.D.
HEALTH	2*	N.D.
FLAMMABILITY	4 TITANIUM DIOXIDE	>7500 MG/KG (ORAL, RAT)
REACTIVITY	0	N.D.
PERSONAL PROTECTION	XYLENE	N.D.

ORGANIC COMPOUNDS, G/5000 MG/KG (ORAL, RAT)	N.D.
REASON FOR REVISION:	N.D.

MAGNESIUM SILICATE	N.D.	TCLO: 11 MG/M3 INH.
N.A. - NOT APPLICABLE		
N.E. - NOT ESTABLISHED		
N.D. - NOT DETERMINED		

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.

ECOLOGICAL 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

DOT PROPER SHIPPING NAME: AEROSOL

DOT TECHNICAL NAME:

DOT HAZARD CLASS: 2.1

DOT UN/NA NUMBER: UN1950

PACKING GROUP:

HAZARD SUBCLASS:

RESP. GUIDE PAGE: 126

ORDER: 1061383294 5H912 - Marking Paint Hi Vis Yellow 15 Oz HAZMAT: 5H912

HAZARD MATERIAL WARNING SHEET (HAZMAT)

When shipment is complete, retain for daily Hazmat audit

\*\*\*\*\*

\*\*\*\*\*

GRAINGER SHIPPING INFORMATION

STOCK # : 5H912  
MSDS # : A9371  
FREIGHT CODE : 0896  
DOT PROPER SHIP NAME : CONSUMER COMMODITY, ORM-D FLASHPOINT -73 DGS C, -99  
DGS F

FLASHPOINT : -73 DEGREES CELSIUS, -99 DEGREES FAHRENHEIT

UPS RESTRICTIONS :

HAZARDOUS CLASS NUMBER : ORM-D  
UN ID # :  
PACKING GROUP :  
SHIPPING LABEL : Consumer Commodity ORM-D

LIMITED QUANTITY : YES  
CARTON INSTRUCTIONS : CAN REPACK IN GRAINGER S CARTON  
DOT/UPS EXEMPTION NO. :  
COMMENTS : HAZARDOUS MATERIAL. DO NOT SHIP AIR!!  
SHIPPING-PAPERS :

PLACARD OFFERED ? YES ( ) NO ( ) PLEASE MARK ONE

\*\*\*\*\*