

ITEM: 3BU10 - Marking Chalk White 17 oz.

MSDS: B9326

ORDER: 0126346637

LP NUMBER: U854789200

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 - B9326

Associated Grainger Items
3BE96, 3BE97, 3BE98, 3BE99, 3BU11, 3BU10, 8DE87, 8DE88, 8DE89, 8DE90, 8W442
9NUG9

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: IC LSPR 12PK MARKING CHALK - APWA YELLOW

IDENTIFICATION NUMBER: 205234

PRODUCT USE/CLASS: MARKING CHALK/AEROSOL

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

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

PREPARER: REGULATORY DEPARTMENT

REVISION DATE: 10/28/2009

SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	WEIGHT % LESS THAN	ACGIH TLV-TWA	ACGIH TLV-STEL	OSHA PEL-TWA	OSHA PEL CEILING
LIQUEFIED PETROLEUM GAS	68476-86-8	25.0	N.E.	N.E.	N.E.	N.E.
ALIPHATIC HYDROCARBON	64742-89-8	15.0	N.E.	N.E.	300 PPM	N.E.
ACETONE	67-64-1	15.0	500 PPM	750 PPM	1000 PPM PPM	N.E.
TITANIUM DIOXIDE	13463-67-7	5.0 MG/M3	10	N.E.	15 MG/M3 (TOTAL DUST)	N.E.
XYLENE	1330-20-7	5.0	100 PPM	150 PPM	100 PPM	N.E.
MAGNESIUM SILICATE	14807-96-6	5.0	2 MG/M3	N.E.	0.1 MG/M3 (RESPIRABLE)	N.E.
ETHYLBENZENE	100-41-4	1.0	100 PPM	125 PPM	100 PPM	N.E.
METHYL ETHYL KETOXIME	96-29-7	0.1	N.E.	N.E.	N.E.	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:
CONTAINS TITANIUM DIOXIDE. TITANIUM DIOXIDE IS LISTED AS A GROUP 2B-"POSSIBLY CARCINOGENIC TO HUMANS" BY IARC. SIGNIFICANT EXPOSURE IS NOT ANTICIPATED DURING BRUSH APPLICATION OR DRYING. RISK OF OVEREXPOSURE DEPENDS ON DURATION AND LEVEL OF EXPOSURE TO DUST FROM REPEATED SANDING OF SURFACES OR SPRAY MIST AND THE ACTUAL CONCENTRATION OF TITANIUM DIOXIDE IN THE FORMULA.

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 ABNORMALITIES, KIDNEY, LUNG, SPLEEN, EYE AND BLOOD DAMAGE AS WELL AS REPRODUCTIVE DISORDERS. EFFECTS IN HUMANS, DUE TO CHRONIC OVEREXPOSURE,

HAVE INCLUDED LIVER, CARDIAC ABNORMALITIES 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)

LOWER EXPLOSIVE LIMIT: 0.7%

UPPER EXPLOSIVE LIMIT: 12.8%

EXTINGUISHING MEDIA:

FILM FORMING FOAM, CARBON DIOXIDE, DRY CHEMICAL, WATER FOG

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. VAPORS CAN TRAVEL TO A SOURCE OF IGNITION AND FLASH BACK.

FLASH POINT IS LESS THAN 20 DEG.. F. - EXTREMELY FLAMMABLE LIQUID AND VAPOR!

KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, ELECTRICAL EQUIPMENT, SPARKS AND OPEN FLAME. PERFORATION OF THE PRESSURIZED CONTAINER MAY CAUSE BURSTING OF THE CAN.

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:

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

SECTION 7 - HANDLING AND STORAGE

HANDLING:

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

STORAGE:

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

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS:

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

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

BOILING RANGE: -44 - 999 F
VAPOR DENSITY: HEAVIER THAN AIR
ODOR: SOLVENT LIKE
ODOR THRESHOLD: N.E.
APPEARANCE: AEROSOLIZED MIST
EVAPORATION RATE: FASTER THAN ETHER
SOLUBILITY IN H₂O: SLIGHT
FREEZE POINT: N.D.
SPECIFIC GRAVITY: 0.827
VAPOR PRESSURE: N.D.
pH: N.A.
PHYSICAL STATE: LIQUID
(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:
WHEN HEATED TO DECOMPOSITION, IT EMITS ACRID SMOKE AND IRRITATING FUMES.
BY OPEN FLAME, CARBON MONOXIDE AND CARBON DIOXIDE.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR UNDER NORMAL CONDITIONS.

STABILITY: THIS PRODUCT IS STABLE UNDER NORMAL STORAGE CONDITIONS.

SECTION 11 - TOXICOLOGICAL INFORMATION

PRODUCT LD50: N.D.

PRODUCT LC50: N.D.

CHEMICAL NAME	LD50	LC50
LIQUEFIED PETROLEUM GAS	N.E.	N.E.
ALIPHATIC HYDROCARBON	>5000 MG/KG (RAT, ORAL)	N.E.
ACETONE	5800 MG/KG (RAT)	50100 MG/M3 (RAT, 8HR)
TITANIUM DIOXIDE	>7500 MG/KG (RAT, ORAL)	N.E.
XYLENE	4300 MG/KG (RAT, ORAL)	5000 PPM (RAT, INHALATION, 4HR)
MAGNESIUM SILICATE	N.E.	TCLO: 11 MG/M3 (INHALATION)
ETHYLBENZENE	3500 MG/KG (RAT, ORAL)	N.E.
METHYL ETHYL KETOXIME	3680 MG/KG (RAT)	>4.8 MG/L (RAT)

SECTION 12 - ECOLOGICAL INFORMATION

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: AEROSOLS
DOT TECHNICAL NAME: N.A.
DOT HAZARD CLASS: 2.1
DOT UN/NA NUMBER: UN1950
PACKING GROUP: N.A.
HAZARD SUBCLASS: N.A.
RESP. GUIDE PAGE: 126

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, PRESSURIZED
GAS 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
XYLENE	1330-20-7
ETHYLBENZENE	100-41-4

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:
IT IS THE POLICY OF RUST-OLEUM CORPORATION TO USE ONLY TSCA COMPLIANT
MATERIALS IN ITS PRODUCTS.

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
WATER	7732-18-5
CALCIUM CARBONATE	1317-65-3

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

CHEMICAL NAME	CAS NUMBER
WATER	7732-18-5
CALCIUM CARBONATE	1317-65-3

CALIFORNIA PROPOSITION 65:

WARNING!

THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN BY THE STATE OF CALIFORNIA TO
CAUSE CANCER.

WARNING!

THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO
CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

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: AB5 D2A D2B

SECTION 16 - OTHER INFORMATION

HMIS RATINGS:
HEALTH 2*
FLAMMABILITY 4
REACTIVITY 0
PERSONAL PROTECTION X

REASON FOR REVISION: REGULATORY UPDATE

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

RUST-OLEUM CORPORATION BELIEVES, TO THE BEST OF ITS KNOWLEDGE, INFORMATION
AND BELIEF, THE INFORMATION CONTAINED HEREIN TO BE ACCURATE AND RELIABLE
AS OF THE DATE OF THIS MATERIAL SAFETY DATA SHEET. HOWEVER, BECAUSE THE
CONDITIONS OF HANDLING, USE, AND STORAGE OF THESE MATERIALS ARE BEYOND OUR
CONTROL, WE ASSUME NO RESPONSIBILITY OR LIABILITY FOR PERSONAL INJURY OR
PROPERTY DAMAGE INCURRED BY THE USE OF THESE MATERIALS. RUST-OLEUM
CORPORATION MAKES NO WARRANTY, EXPRESSED OR IMPLIED, REGARDING THE
ACCURACY OR RELIABILITY OF THE DATA OR RESULTS OBTAINED FROM THEIR USE.
ALL MATERIALS MAY PRESENT UNKNOWN HAZARDS AND SHOULD BE USED WITH CAUTION.
THE INFORMATION AND RECOMMENDATIONS IN THIS MATERIAL SAFETY DATA SHEET ARE
OFFERED FOR THE USERS' CONSIDERATION AND EXAMINATION. IT IS THE
RESPONSIBILITY OF THE USER TO DETERMINE THE FINAL SUITABILITY OF THIS
INFORMATION AND TO COMPLY WITH ALL APPLICABLE INTERNATIONAL, FEDERAL,
STATE, AND LOCAL LAWS AND REGULATIONS.