

437 YELLOW URETHANE LINE MARKING

MSDS Number

BBKRW

National Stock Number

8010-00F002318

Product Name

437 YELLOW URETHANE LINE MARKING

Manufacturer

TENNANT CO

Product Identification

Product ID:437 YELLOW URETHANE LINE MARKING

MSDS Date:01/01/1992

FSC:8010

NIIN:00F002318

MSDS Number: BBKRW

Responsible Party

TENNANT CO

701 N LILAC DR

MINNEAPOLIS , MN 55440-1452

US

Emergency Phone: 612-544-5163/612-738-9734

Info Phone: 612-540-1381/612-540-1605

Cage: 59500

Contractor

TENNANT CO

1452

MINNEAPOLIS, MN 55440-1452

US

612-540-1556/800-553-8033

Cage: 59500

Ingredients

KEROSENE (PETROLEUM), HYDROTREATED; PETROLEUM DISTILLATE,

CAS: 64742-47-8

RTECS: OA5504000

Fraction By Weight: 5-10%

OSHA PEL100 PPM

ACGIH TLV: 100 PPM

TITANIUM DIOXIDE, TIO2

CAS: 13463-67-7

RTECS: XR2275000

Fraction By Weight: 1-10%

OSHA PEL15 MG/M3 TDUST

ACGIH TLV: 10 MG/M3 TDUST; 9293

YELLOW OXIDE *93-1*

CAS: 51274-00-1

Fraction By Weight: 1-10%

OSHA PEL10 MG/CUM

ACGIH TLV: 5 MG/CUM

LEAD SULFOCHROMATE YELLOW, CHROME YELLOW LIGHT *93-1*

CAS: 1344-37-2

Fraction By Weight: 25-35%

OSHA PEL0.05 MG/CUM PB

ACGIH TLV: 0.05 MG/CUM CR

ETHYL BENZENE

CAS: 100-41-4

RTECS: DA0700000

Fraction By Weight: 0.9-3.0%

OSHA PEL435 MG/CUM

ACGIH TLV: 434 MG/CUM

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

LEAD, INORGANIC LEAD (SUSPECTED HUMAN CARCINOGEN BY IARC,

CAS: 7439-92-1

RTECS: OF7525000

Fraction By Weight: 5-7%

OSHA PEL0.05 MG/CUM

ACGIH TLV: 0.15 MG/CUM

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

CHROMIC ACID (SOLID OR SOLUTION), CRO3, CHROMIUM (VI)

CAS: 1333-82-0

RTECS: GB6650000

Fraction By Weight: 2.3-3.2%

OSHA PEL0.1 MG/CUM (CRO3)

ACGIH TLV: 0.05 MG/CUM (CR)

ALKYD RESIN

Fraction By Weight: 10-20%

XYLENE, DIMETHYLBENZENE, XYLOL

CAS: 1330-20-7

RTECS: ZE2100000

Fraction By Weight: 5-15%

OSHA PEL100 PPM

ACGIH TLV: 100 PPM, SKIN

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

BUTYL ACETATE (N-BUTYL ACETATE)

CAS: 123-86-4

RTECS: AF7350000

Fraction By Weight: 5-15%

OSHA PEL700 MG/CUM

ACGIH TLV: 713 MG/CUM

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

Hazards

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO

Health Hazards Acute and Chronic:SKIN: ABSORPTION & IRRITATION. EYES: IRRITATION & INJURY. INGESTION: LEAD CHROMATE MAY CAUSE IRRITATION & SYSTEMIC TOXICITY. INHALATION: PERMANENT BRAIN & NERVOUS SYSTEM DAMAGE. ANESTHETIC, RESPIRATOR Y TRACT IRRITATION & NERVOUS SYSTEM DEPRESSION. LEAD CHROMATE IS SUSPECTED TO CAUSE LUNG CANCER.

Explanation of Carcinogenicity:SEE INGREDIENTS

Effects of Overexposure:INGESTION: BURNING SENSATION, VOMITING, DIARRHEA, DROWSINESS, & TISSUE DAMAGE. INHALATION: HEADACHE, DIZZINESS, STAGGERING GAIT, CONFUSION, & UNCONSCIOUSNESS.

First Aid

First Aid:SKIN: WASH THOROUGHLY W/SOAP & WATER. EYES: FLUSH W/WATER FOR 15 MINS. INGESTION: DON'T INDUCE VOMITING. INHALATION: REMOVE TO FRESH AIR. RESTORE BREATHING IF REQUIRED. OBTAIN MEDICAL ATTENTION IN ALL CASES.

Fire Fighting

Flash Point Method:SCC

Flash Point:80F, 27C

Lower Limits:1%

Upper Limits:7%

Extinguishing Media:CO2, DRY CHEMICAL OR FOAM

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS. WATER MAY BE INEFFECTIVE, BUY MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT PRESSURE BUILDUP.

Unusual Fire/Explosion Hazard:KEEP CONTAINERS TIGHTLY CLOSED. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT. DON'T APPLY TO HOT SURFACES.

Accidental Release

Spill Release Procedures:REMOVE ALL IGNITION SOURCES (FLAMES, HOT SURFACES, ELECTRICAL, STATIC OR FRICTIONAL SPARKS). AVOID BREATHING VAPORS. VENTILATE AREA. REMOVE W/INERT ABSORBENT/SCRUB W/SOAP & WATER.

Handling

Handling and Storage Precautions:STORE IN COOL DRY PLACE BELOW 100F.
STORE LARGE QUANTITIES IN BUILDINGS DESIGNED & PROTECTED FOR
STORAGE OF NFPA CLASS 1C FLAMMABLE LIQUIDS.
Other Precautions:DON'T TAKE INTERNALLY. AVOID PROLONGED CONTACT
W/SKIN. AVOID FREE FALL OF LIQUID IN EXCESS OF A FEW INCHES.

Exposure Controls

Respiratory Protection:WEAR A CHEMICAL RESPIRATOR APPROVED FOR ORGANIC
VAPORS (NIOSH 23C OR EQUIVALENT).
Ventilation:LOCAL EXHAUST VENTILATION TO KEEP BELOW TLV/LEL.
Protective Gloves:IMPERVIOUS SUCH AS RUBBER
Eye Protection:CHEMICAL SPLASH GOGGLES
Other Protective Equipment:PROTECTIVE CLOTHING SUCH AS UNIFORM OR
COVERALLS
Work Hygienic Practices:REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE
REUSE.
Supplemental Safety and Health
INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING & INHALING THIS
PRODUCT MAY BE HARMFUL OR FATAL.

Chemical Properties

Boiling Pt:B.P. Text:260F,127C
Vapor Pres:8.4
Vapor Density:1.7
Evaporation Rate & Reference:SLOWER THAN N-BU AC
Solubility in Water:INSOLUBLE
Appearance and Odor:YELLOW LIQUID W/FRUITY ODOR
Percent Volatiles by Volume:57

Stability

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENTS
Stability Condition to Avoid:HEAT, ELECTRICAL EQUIPMENT, SPARKS, OPEN
FLAME, HOT SURFACES & OTHER IGNITION SOURCES
Hazardous Decomposition Products:CO₂, CO, NITROGEN OXIDES IN VARYING
QUANTITIES

Disposal

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND
FEDERAL REGULATIONS. UN1263. FLAMMABLE LIQUID.

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