

MINNESOTA MINING AND MFG CO -- SCOTCHLITE REFLECTIVE LIQUID 7216 WHITE --
8010-00-958-5179

===== Product Identification =====

Product ID:SCOTCHLITE REFLECTIVE LIQUID 7216 WHITE

MSDS Date:06/28/1990

FSC:8010

NIIN:00-958-5179

MSDS Number: BVXBF

=== Responsible Party ===

Company Name:MINNESOTA MINING AND MFG CO

Address:3M CTR 224-2S-25

City:ST. PAUL

State:MN

ZIP:55144-1000

Country:US

Info Phone Num:6

12-733-1341/612-733-1110

Emergency Phone Num:612-733-1341

CAGE:76381

=== Contractor Identification ===

Company Name:MINNESOTA MINING AND MFG CO, DBA 3M

Address:3M CENTER BLDG 224-5S-04

Box:City:SAINT PAUL

State:MN

ZIP:55144-1000

Country:US

Phone:866-556 5712 / 612-733-1110

CAGE:76381

===== Composition/Information on Ingredients =====

Ingred Name:GLASS OXIDE

CAS:65997-17-3

Fraction by Wt: 36-56%

Ingred Name:PETROLEUM HYDROCARBON,

CAS:64742-47-8

RTECS #:OA5504000

Fraction by

Wt: 16-24%
Other REC Limits:NOT SPECIFIED
OSHA PEL:5 MG/M3 (OIL MIST)
ACGIH TLV:5 MG/M3 (OIL MIST)

Ingred Name:TITANIUM DIOXIDE
CAS:13463-67-7
RTECS #:XR2275000
Fraction by Wt: 13-21%
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3 TDUST; 9394

Ingred Name:ALKYD RESIN
Fraction by Wt: 6-11%

Ingred Name:MINERAL SPIRITS
CAS:64475-85-0
RTECS #:PY8240000
Fraction by Wt: 3-6%

Ingred Name:VM & P NAPHTHA
CAS:64742-89-8
Fraction by Wt: 2-3%

Ingred Name:VOLATILE ORGANIC COMPOUNDS: 443.00 GMS/LITER.
RTECS #
:9999999VO

===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYE:DIRECT CONTACT W/LIQUID OR VAPOR
CAUSES EYE IRRITATION. SKIN:REPEATED/PROLONGED CONTACT MAY CAUSE
SKIN IRRITATION. INHALATION:ELEVATED LEVELS OF VAPORS CAUSES
RESPIRATORY SYSTEM IRRITATION & MAY CAUSE NERVOUS SYSTEM
IMPAIRMENT. SYMPTOMS OF OVEREXPOSURE MAY INCLUDE DIZZINESS,
WEAKNESS, FATIGUE, NAUSEA, HEADACHE
Explanation of Carcinogenicity:MFR LISTED NO INFORMATION ABOUT THE
CARCINOGENICITY OF THIS MATERIAL. HMIS DOES NOT EXPECT IT TO BE
CARCINOGENIC.
Effects of Overexposure:& AT EXTREME LEVELS, UNCONSCIOUSNESS. MAY CAUSE
KIDNEY DAMAGE (BASED UPON ANIMAL STUDIES). INGESTED:ASPIRATION OF
LIQUID INTO THE LUNGS MAY CAUSE CHEMICAL PNEUMONIA WHICH CAN BE
FATAL. MAY CAUSE DIGESTIVE SYSTEM IRRITATION. SYMPTOMS FOLLOWING
I

NGESTION MAY INCLUDE NAUSEA, VOMITING, NERVOUS SYSTEM IMPAIRMENT.
Medical Cond Aggravated by Exposure:NO INFORMATION GIVEN BY MFR ON
MSDS.

===== First Aid Measures =====

First Aid:EYE:IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER. CONTINUE FOR
10 MINUTES HOLDING EYELIDS OPEN. CALL A PHYSICIAN. SKIN:WASH WITH
SOAP AND WATER. INHALATION:REMOVE PERSON TO FRESH AIR. IF BREATHING
IS DIFFICULT, ADMINISTER OXYGEN. IF BREATHING HAS STOPPED, GIVE

ARTIFICIAL RESPIRATION. KEEP WARM AND QUIET. CALL A PHYSICIAN. IF
SWALLOWED:DO NOT INDUCE VOMITING. GIVE 1-2 GLASSES WATER. CALL
PHYSICIAN.

===== Fire Fighting Measures =====

Flash Point Method:TCC

Flash Point:85.0F,29.4C

Extinguishing Media:CARBON DIOXIDE, FOAM, DRY CHEMICAL.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD BE EQUIPPED WITH FULL
PROTECTIVE GEAR AND SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:FLAMMABLE.

=====

===== Accidental Release Measures =====

Spill Release Procedures:OBSERVE PRECAUTIONS FROM OTHER SECTIONS.
EXTINGUISH ALL IGNITION SOURCES. VENTILATE AREA. CONTAIN SPILL.
COVER WITH ABSORBENT MATERIAL. COLLECT SPILLED MATERIAL. CLEAN UP
RESIDUE. PLACE IN A US DOT-APPROVED CONTAINER AND SEAL.

Neutralizing Agent:NO INFORMATION GIVEN BY MFR ON MSDS.

===== Handling and Storage =====

Handling and Storage Precautions:FLAMMABLE LIQUID.

KEEP AWAY FROM HEAT,

SPARKS & OPEN FLAME. PREVENT ALL SOURCES OF IGNITION. WEAR LOW
STATIC OR PROPERLY GROUNDED SHOES TO PREVENT

Other Precautions:BUILDOUP OF STATIC CHARGES ON BODY. KEEP CONTAINER CLOSED.

GROUND CONTAINER WHEN TRANSFERRING CONTENTS. DON'T GET IN EYES, ON SKIN.

AVOID PROLONGED EXPOSURE TO ELEVATED CONCENTRATIONS OF VAPOR.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:WEAR NIOSH APPROVED ORGANIC VAPOR RESPIRATOR (OR
EQUIVALENT)

LENT) FOR SUPPLEMENTAL PROTECTION WHEN NEEDED (E.G., SPILLS,
CLEANUP ACTIVITIES).

Ventilation:USE LOCAL AND GENERAL VENTILATION TO MAINTAIN VAPOR LEVELS
WITHIN ESTABLISHED THRESHOLD LIMIT VALUES.

Protective Gloves:IMPERVIOUS (E.G., NBR NITRILE) GLOVES.

Eye Protection:EYE PROTECTION.

Other Protective Equipment:WEAR PROTECTIVE CLOTHING AS NEEDED TO
PREVENT CONTACT DURING HANDLING, TRANSFERRING, EQUIPMENT CLEANUPS &
SPILL CLEANUP.

Work Hygienic Practices:REMOVE CONTAMINATED CLOTHING
AND WASH BEFORE

REUSE. ROUTINELY WASH HANDS, ARMS, FACE WITH SOAP & WATER AFTER
HANDLING.

Supplemental Safety and Health

DOCUMENT NO. 10-0625-3.

===== Physical/Chemical Properties =====

HCC:F3

NRC/State Lic Num:NONE

Solubility in Water:0.00 GRAM/100 CC

Appearance and Odor:WHITE THIXOTROPIC LIQUID, SOLVENT ODOR.

Percent Volatiles by Volume:28

Corrosion Rate:UNKNOWNN

===== Stability and Reactivity Data =====

Stability Indicator/Mat

erials to Avoid:YES

NONE

Stability Condition to Avoid:NO INFORMATION GIVEN BY MFR ON MSDS.

Hazardous Decomposition Products:THERMAL DECOMPOSITION MAY PRODUCE
CARBON MONOXIDE AND CARBON DIOXIDE.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF WASTE/BULK PRODUCT IN A HAZARDOUS
WASTE FACILITY. SINCE REGULATIONS VARY, CONSULT APPLICABLE
REGULATIONS OR AUTHORITIES BEFORE DISPOSAL. US

EPA HAZARDOUS WASTE

NO: D001, D008.

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.