

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

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

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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.

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===== 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:BUILDUP 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.

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