

# MATERIAL SAFETY DATA SHEET

For R&D use only. Not for drug, household or other uses.

Click <http://www.lookchem.com/cas-775/7759-02-6.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**

7759-02-6

**Code:**

M

**RTECS:**

**Code:**

X

**Name:**

CELESTITE (STRONTIUM SULPHATE) %: 18.2090 Enviro

**Other REC Limits:**

N/P

**OSHA PEL:**

100 PPM

**Code:**

M

**OSHA STEL:**

150 PPM

**Code:**

M

**ACGIH TLV:**

434 MG/M3;100 PPM

**Code:**

T

**ACGIH STEL:**

651 MG/M3;150 PPM

**Code:**

T

## Control Measures

**Respiratory Protection:**

NIOSH APPROVED RESP PROT DEVICES MUST BE USED WHEN ENGINEERING & ADMINISTRATIN CTLS ARE NOT ADEQ TO MAINTAIN TLV & PEL OF AIRBORNE CONTAMINANTS BELOW LISTED VALUES FOR THOSE HAZ INGRED IDENTIFIED IN IN GRED SECTION. OBSERVE OSHA REGS FOR RESP USE (CFR 29 1910.134) WHENEVER RESP IS USED. NIOSH APPROVED PARTICULATE, CHEM CARTRIDGE, AIR PURIFYING HALF-MASK (SUPDAT)

**Ventilation:**

SUFFICIENT VENT, IN VOL & PATTERN, SHOULD BE PROVIDED THRU BOTH LOC & GEN EXHST TO KEEP AIR CONTAMINANT CONC BELOW CURRENT APPLIC OSHA PEL & (OTHER INFO)

**Protective Gloves:**

CHEMICAL RESISTANT GLOVES.

**Eye Protection:**

ANSI APPROVED CHEMICAL WORKERS GOGGLES (FP N).

**Other Protective Equipment:**

Equipment ANSI APPROVED EYE WASH AND DELUGE SHOWER (FP N). USE CHEMICAL RESISTANT COVERALLS OR APRON TO PROTECT AGAINST SKIN AND CLOTHING CONTAMINATION.

**Work Hygienic Practices:**

WASH HANDS AND OTHER CONTAMINATED SKIN AREAS WITH WARM SOAP AND WATER BEFORE EATING.

**Supplemental Safety and Health:**

OTHER PRECS: CONSULT PROD DATA SHEET FOR PROPER APPLICATION INSTRUCTIONS. RESP PROT: REPS CAN BE USED W/IN CERTAIN LIMITATIONS; CONSULT RESP MFR FOR SPECIFIC USES & LIMITATIONS. WHERE AIRBORNE CONTAMINANT CONCS ARE UNKNOWN, USE OF NIOSH APPROVED 8 FRESH-AIR SUPPLIED RESP IS MANDATORY.

## Health Hazards Data

**LD50/LC50 Mixture:**

N/P

**Route Of Entry Inds - Inhalation:**

YES

**Skin:**

YES

**Ingestion:**

NO

**Carcinogenicity Inds - NTP:**

YES

**IARC:**

YES

**OSHA:**

NO

**Health Hazards Acute And Chronic:**

POTENTIAL HEALTH EFTS: EYE: MODERATE IRRIT. REDNESS, TEARING, BLURRED VISION. SKIN: MODERATE IRRIT, DRYING OF SKIN, DEFAT & POSS DERM, DISCOLORATION. INHAL: OVEREXP TO SOLVENT VAPS OR SPRAY MIST: NASA L & RESP IRRIT, ANESTHETIC EFTS, DIZZ, POSS UNCON & ASPHYXIA, STUPOR, WEAK, FATIG, NAUS & HDCH. INHAL: OVEREXP TO FREE PIGMENT DUST: COUGH, WHEEZ, SHORTNESS OF BREATH, RESTRICTED NASAL PASSAGES, LU NG INJURY. INGEST: GI IRRIT, NAUS, VOMIT, DIARRHEA, DEATH, ASPIRATION INTO LUNGS WHICH CAN

**Explanation Of Carcinogenicity:**

SILICA, CRYSTALLINE QUARTZ: IARC MONOGRAPHS, VOL 68, 1997: GROUP 1. NTP 8TH ANNUAL REPORT ON CARCINOGENS, 1998: REASONABLY ANTICIPATED TO BE HUMAN CARCINOGEN.

**Signs And Symptoms Of Overexposure:**

HLTH EFTS: SILICOSIS. NOTICE: REPORTS HAVE ASSOC RPTD & PRLNGD OCCUP OVEREXP TO SOLVENTS W/PERM BRAIN & NERVOUS SYS DMG. INTENTIONAL MISUSE BY DELIB CONC & INHALING VAPS MAY BE HARMFUL/FATAL. TARGET OR GANS: CAN CAUSE SKIN IRRIT. CAN CAUSE LUNG DMG. CAN CAUSE EYE IRRIT. CAN CAUSE RESP TRACT IRRIT. CAN CAUSE NERVOUS SYS EFTS. CAN CAUSE CANCER. RISK OF CANCER DEPENDS ON DURATION & LEVEL OF EXPOS. OTH ER: THIS PROD WHEN MIXED W/OTHER COMPONENTS ACQUIRES HAZS OF ALL COMPONENTS.

**Medical Cond Aggravated By Exposure:**

N/P

**First Aid:**

6 EYES: FLUSH IMMEDIATELY W/LARGE AMOUNTS OF CLEAN WATER UNDER LOW PRESSURE FOR AT LEAST 15 MINUTES. CONSULT A PHYSICIAN. SKIN: WASH AFFECTED AREA W/SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. DISPOSE OF OR LAUNDER ACCORDINGLY. CONSULT A PHYSICIAN IF SKIN IRRITATION PERSISTS. INHAL: REMOVE AFFECTED INDIVIDUAL TO FRESH AIR. TREAT SYMPTOMATICALLY. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. IF BREATHING HAS SPED GIVE ARTIFICIAL RESPIRATION. CONSULT A PHYSICIAN. INGEST: DRINK 1 OR 2 GL

**Spill Release Procedures:**

REMOVE ALL SOURCES OF IGNITION. SPILLS MAY BE COLLECTED WITH INERT ABSORBENT MATERIAL FOR PROPER DISPOSAL. USE NON-SPARKING TOOLS, PROTECTIVE GLOVES, GOGGLES AND CLOTHING, ADEQUATE VENTILATION. AVOID THE BREATHING OF VAPORS AND USE NIOSH APPROVED RESPIRATORY PROTECTIVE DEVICES. TRANSFER ABSORBENT MATERIAL TO SUITABLE CONTAINERS FOR PROPER DISPOSAL.

**Neutralizing Agent:**

N/P

**Waste Disposal Methods:**

DISPOSAL MUST BE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS (FP N).

**Handling And Storage Precautions:**

STORE IN DRY AREA. KEEP CLOSURES TIGHT AND UPRIGHT TO PREVENT LEAKAGE. DO NOT STORE IN HIGH TEMPERATURE AREAS OR NEAR FIRE OR OPEN FLAME. REFER TO PRODUCT DATA SHEET FOR RECOMMENDED STORAGE TEMPERATUR ES.

**Other Precautions:**

PVNT PRLNGD BRTHG OF AIRBORNE CONTAMINANTS SUCH AS VAP, SPRAY MISTS OR DUSTS. PVNT CONTACT W/SKIN & EYES. DO NOT TAKE INTERNALLY. KEEP OUT OF REACH OF CHILDREN. DO NOT REUSE OR ALTER CNTNRS W/OUT PROPER INDUS CLEANING. DO NOT WELD OR FLAME CUT EMPTY, UNCLEANED CNTNRS DUE TO POTNTL FIRE & EXPLOSION H AZ. (SUPDAT)

## Fire and Explosion Hazard Information

**Flash Point Method:**

N/P

**Flash Point:**

=53.2C, 99.9F

**Flash Point Text:**

**Autoignition Temp:**

N/A

**Lower Limits:**

1%

**Upper Limits:**

N/A

**Extinguishing Media:**

FOAM, CARBON DIOXIDE, AND DRY CHEMICAL 7

**Fire Fighting Procedures:** SCBA AND FULL PROTECTIVE EQUIPMENT (FP N). WATER MAY BE USED TO COOL UNRUPTURED CONTAINERS. USE APPROPRIATE EXTINGUISHING MEDIA TO CONTROL FIRE. WATER MAY CAUSE VIOLENT FROTHING IF SPRAYED DIRECTLY INTO CONTAINERS OF BURNING LIQUID.

**Unusual Fire/Explosion Hazard:**

KEEP AWAY FROM FIRE & EXPLOST FLAMES, SPKS & AREAS WHERE STATIC CHARGE MAY BE GENERATED. DO NOT APPLY TO HOT SURFS DUE TO SOLV VAPS ARE HXR/AIR RISK. MAY TRAVEL CONSIDERABLE DIST TO SOURCE OF IGNIT & FLASH BACK.

## Physical/Chemical Properties

**NRC/State Lic No:**

**Net Prod WT For Ammo:**

N/P

**M.P./F.P.:**

>154.4C, 310. F

**Melt/Freeze Pt:**

310F-395F

**M.P./F.P. Text:**

**Autoignition Temp:**

N/A

**Lower Limits:**

1%

**Upper Limits:**

N/A

**Extinguishing Media:**

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**Stability Indicator:**

**Stability Condition To Avoid:**

N/P

**Materials To Avoid:**

Hazardous Decomposition Products:

Hazardous Polymerization Indicator:

Conditions To Avoid Polymerization:

## Toxicological Information

**Information:**

N/P

## MSDS Transport Information

**Information:**

N/P

## Regulatory Information

**Sara Title III Information:**

N/P

**Federal Regulatory Information:**

N/P

**State Regulatory Information:**

N/P

## Other Information

**Other Information:**

N/P

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The WARRANTY is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The product is sold to the customer as is. LookChem safety precautions. It does not represent any guarantee of the product with regard to appropriate safety precautions. It shall not be held liable for any damages resulting from handling or contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

