

MATERIAL SAFETY DATA SHEET

SECTION I - IDENTIFICATION

TRANSPORTATION EMERGENCY:
CHEM-TEL 1-800-255-3924
INFORMATION: 860-347-2505

NFPA HEALTH3
NFPA FLAMMABILITY0
NFPA REACTIVITY1
NFPA PROTECTIONX

DU-LITE CORPORATION
171 RIVER ROAD
MIDDLETOWN, CT 06457

PREPARED BY: WALTER J.
SMITH DATE: 01/03/2022

PRODUCT NAME**XX Compound**

DESCRIPTIONChemical product to black oxide silver solder.

DOT DESCRIPTION: UN1759, CORROSIVE SOLIDS, N.O.S., (Contains Sodium Hydroxide),
8, PG-II

DOT LABEL: CORROSIVE

DOT PLACARDS: CORROSIVE DIAMOND PLACARD

SECTION II - HAZARDOUS INGREDIENTS

| HAZARDOUS COMPONENT | CAS NUMBER | TLV(MG/M3) | PEL(MG/M3) | PERCENT |
|---------------------|------------|------------|------------|---------|
| SODIUM HYDROXIDE | 1310-73-2 | 2.0(Air) | 2.0 | <70-75 |
| OTHER NON-HAZARDOUS | N/A | N/A | N/A | < 5 |

NOTE: ALTHOUGH MOST INGREDIENTS IN THIS PRODUCT ARE NOT CONSIDERED HAZARDOUS, THE PRODUCT IS HIGHLY ALKALINE IN NATURE AND SHOULD BE TREATED ACCORDINGLY. APPROPRIATE SAFEGUARDS SHOULD BE TAKEN WHEN USING PRODUCT.

N/E = NOT ESTABLISHED N/A = NOT APPLICABLE N/D = NOT DETERMINED

SECTION III - PHYSICAL DATA

BOILING POINT(°F).....N/A SPECIFIC GRAVITY (H2O=1)... 2.170
VAPOR PRESSURE (mm Hg)....N/A MELTING POINT..... 300°C Est.
VAPOR DENSITY (Air=1).....N/A EVAPORATION RATE..... N/A
SOLUBILITY IN H2O.....Complete PH.....14.0 @ 5% Sol.
APPEARANCE/ODOR.....White granular material - No odor.

SECTION IV - REACTIVITY DATA

CHEMICAL STABILITY: Stable CONDITIONS TO AVOID: Heat above 1000°F.
INCOMPATIBLE MATERIALS: Organic materials, food sugars, strong acids, chlorinated hydrocarbons, leather, wool, metals such as aluminum, zinc, tin, brass, etc.
DECOMPOSITION PRODUCTS: Steam, hydrogen, oxides of nitrogen.
HAZARDOUS POLYMERIZATION: Will not occur.

SECTION V - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT.....None FLAMMABLE LIMITS.....None
LOWER FLAME LIMIT.....N/A HIGHER FLAME LIMIT.....N/A
IN CASE OF FIRE: Non-flammable. Use water mist to cool fire exposed containers.
SPECIAL FIREFIGHTING PROCEDURES: Do not scatter material with water spray. Wear protective clothing with self-contained breathing apparatus.
UNUSUAL FIRE HAZARDS: Contact with some metals (i.e. aluminum, tin, zinc, etc.) may release flammable hydrogen gas. Oxidizer when water is removed. May increase the flammability of combustibles.

SECTION VI - HEALTH HAZARD DATA

ROUTES OF ENTRY: Eye contact, skin contact, inhalation, ingestion.

HEALTH HAZARDS (ACUTE, CHRONIC): Contains STRONG ALKALI (Caustic Soda). Causes severe eye, skin and tissue burns. May be harmful or fatal if swallowed. May cause respiratory tract irritation, depending upon exposure. Avoid contact with eyes, skin or clothing.

CARCINOGENICITY: None. NTP?: No. IARC?: No. OSHA REGULATED?: No.

SYMPTOMS OF EXPOSURE: Eye, skin and respiratory tract irritation. Eye, skin and tissue burns.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: N/E

FIRST AID: INHALATION: Move victim to fresh air. If not breathing, use artificial respiration. If breathing is difficult, give oxygen. Seek medical attention. EYES: Flush with running water for at least 15 minutes. Seek medical attention. SKIN: Wash affected area with plenty of water. Remove contaminated clothing. Neutralize with vinegar. Seek medical attention. INGESTION: If conscious, give plenty of water. Do not induce vomiting. Seek medical attention.

SECTION VII - PRECAUTIONS/PROCEDURES

IN CASE OF SPILL: Wear proper protective clothing. Contain spills with inert absorbent. Recover material into a chemical waste container. Neutralize spill area with dilute acid or water.

WASTE DISPOSAL METHOD: Dilute spent solutions 1:10 with water. Add Urea and mix well. Slowly add dilute acid till pH is between 7.5-8.5. Allow sludge to settle. Perform this procedure only in a well-ventilated area.

PRECAUTIONS: Wear proper protective clothing when using this product. Use with adequate ventilation. Wash thoroughly after handling. Store away from strong acids. When making a solution, add slowly to room temperature water with constant stirring. Material gives off intense heat and may erupt if not added slowly and mixed well.

OTHER PRECAUTIONS: Emptied containers of this product may contain hazardous residue. Clean thoroughly before reusing or discarding. Do not use a welding torch to cut container. Do not use for water or food storage.

SECTION VIII - SPECIAL PROTECTION

RESPIRATORY PROTECTION: Use NIOSH approved respirator if dust or vapors are excessive.

VENTILATION: Normal plant ventilation generally adequate.

MECHANICAL EXHAUST...X

PROTECTIVE GLOVES: Rubber.

LOCAL EXHAUST.....X

EYE PROTECTION: Safety goggles, face shield.

OTHER PROTECTIVE EQUIPMENT..... Rubber apron, rubber boots, coveralls.

WORK/HYGIENIC PRACTICES..... Wash thoroughly after handling, launder clothes.

SECTION IX - SARA TITLE III INFORMATION

| HAZARDOUS COMPONENT | CERCLA RQ LBS. | SECT 302 TPQ LBS. | SECT 313 TOXIC | SECT 311/312 HAZARDS |
|---------------------|----------------|-------------------|----------------|----------------------|
| SODIUM HYDROXIDE | 1000 | N/A | NO | A,E |

A=IMMEDIATE (ACUTE HEALTH HAZARD) B=DELAYED (CHRONIC) HEALTH HAZARD
 C=FIRE HAZARD D= SUDDEN RELEASE OF PRESSURE HAZARD E=REACTIVE HAZARD