

MATERIAL SAFETY DATA SHEET

SECTION I - IDENTIFICATION

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

NFPA HEALTHX
NFPA FLAMMABILITY1
NFPA REACTIVITY0
NFPA PROTECTION0

DU-LITE CORPORATION
171 RIVER ROAD
MIDDLETOWN, CT 06457

PREPARED BY: WALTER J.
SMITH DATE: 1/02/2019

PRODUCT NAME**Black Bath Purifier**

DESCRIPTIONBlack oxide bath additive.

DOT DESCRIPTION: NOT HAZARDOUS, NOT A REGULATED MATERIAL

DOT LABEL: NOT REGULATED AS A SOLID

DOT PLACARDS: NONE

SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENT	CAS NUMBER	TLV(MG/M3)	PEL(MG/M3)	PERCENT
TRISODIUM PHOSPHATE-ANH	7601-54-9	5.0(Air)	N/E	< 2
SULFURATED POTASH	39365-88-3	10MG/M3	15MG/M3	<10

The remaining 88% of the ingredients in this product are considered non-hazardous materials, however, this product is alkaline in nature and the product should be treated accordingly.

Appropriate safeguards should be employed when using this 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)... 2.48 Est.
VAPOR PRESSURE (mm Hg)....N/A	MELTING POINT..... 600°C Est.
VAPOR DENSITY (Air=1).....N/A	EVAPORATION RATE..... N/A
SOLUBILITY IN H2O.....Complete	PH.....11.1 @ 1% Sol.
APPEARANCE/ODOR.....Mustard colored granular material – sulfur odor	

SECTION IV - REACTIVITY DATA

CHEMICAL STABILITY: Stable

CONDITIONS TO AVOID: Heat, flame, other sources of ignition.

INCOMPATIBLE MATERIALS: Acids, strong oxidizing agents, strong reducing agents, alcohol and most common metals.

DECOMPOSITION PRODUCTS: Hydrogen Sulfide, Oxides of sulfur.

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

SPECIAL FIREFIGHTING PROCEDURES: Do not scatter material with water spray. Wear protective clothing with self-contained breathing apparatus.

UNUSUAL FIRE HAZARDS: None known.

SECTION VI - HEALTH HAZARD DATA

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

HEALTH HAZARDS (ACUTE, CHRONIC): 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 or blackening of skin.

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. Seek medical attention. INGESTION: If conscious, give large amounts of water or milk, then induce vomiting. Seek medical attention.

SECTION VII - PRECAUTIONS/PROCEDURES

IN CASE OF SPILL: Wear proper protective clothing. Stop leak and contain. Flush unrecoverable material with water to waste treatment system.

WASTE DISPOSAL METHOD: Dilute spent solutions 1:10 with water. 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.

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

<u>HAZARDOUS COMPONENT</u>	<u>CERCLA RQ LBS.</u>	<u>SECT 302 TPQ LBS.</u>	<u>SECT 313 TOXIC</u>	<u>SECT 311/312 HAZARDS</u>
TRISODIUM PHOSPHATE	5000	N/A	NO	A
SULFURATED POTASH	NONE	N/A	NO	A

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