



**MATERIAL SAFETY DATA SHEET  
BLACK BATH PURIFIER**

**SECTION I - IDENTIFICATION**

TRANSPORTATION EMERGENCY: NFPA PROTECTION ..... X  
CHEM-TEL 1-800-255-3924 NFPA HEALTH ..... 1  
INFORMATION: 860-347-2505 NFPA FLAMMABILITY ..... 0  
NFPA REACTIVITY ..... 0

DU-LITE CORPORATION  
171 RIVER ROAD PREPARED BY: WALTER J. SMITH  
MIDDLETOWN, CT 06457 DATE: 1/07/2006

PRODUCT NAME .....**BLACK BATH PURIFIER**  
DESCRIPTION .....Black oxide bath additive.  
DOT DESCRIPT.: NOT HAZARDOUS, NOT A REGULATED MATERIAL  
DOT LABEL: N/A DOT PLACARDS: N/A

**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

**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%  
APPEARANCE/ODOR.....Mustard colored granular material - sulfur odor.

**SECTION IV - REACTIVITY DATA 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.

See 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.

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### SECTION VII - PRECAUTIONS/PROCEDURES

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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.

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 harmful residue.

Clean thoroughly before discarding. Do not reuse container.

Do not use a welding torch to cut container.

Do not use for water or food storage.

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### SECTION VIII - SPECIAL PROTECTION

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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 EQUIP. Rubber apron, rubber boots, coveralls.

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

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### SECTION IX - SARA TITLE III INFORMATION

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HAZARDOUS COMPONENT	CERCLA RQ LBS.	SECT 302 TPQ LBS.	SECT 313 TOXIC	SECT 311/312 HAZARDS
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