

MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA's Hazard Communication Standard CFR 1910.1200 and OSHA Form 174.

N/A SIGNIFIES NON-APPLICABLE

IDENTITY AND SUPPLIERS INFORMATION

PRODUCT NAME:	LUMIN BRITE CONCENTRATE	CHEMICAL FAMILY:	NEUTRAL DETERGENT	HMIS HAZARDOUS MATERIALS IDENTIFICATION SYSTEM	RATING
GMP PRODUCT NUMBER:	C781	FORMULA:	PROPRIETARY		
SUPPLIER'S NAME:	GENERAL PRODUCTS & SUPPLY, INC.	PHONE NUMBER:	(724) 327-7200		
SUPPLIER'S ADDRESS:	101 TECHNOLOGY LANE	EMERGENCY NO.:	800-255-3924		
	EXPORT, PA 15632	DATE PREPARED:	10/20/04		
PROPER SHIPPING NAME:				HEALTH	3
				FLAMMABILITY	0
				REACTIVITY	1
				MAX PERSONAL PROTECTION	B

SECTION 1 - INGREDIENT IDENTIFICATION AND INFORMATION

CHEMICAL NAME	CARC.	CAS NO.	WT %	SARA III	PEL	TWA-TLV	STEL-TLV
2-BUTOXYETHANOL*	d	111-76-2		Yes*	25 (skin)	25 (skin)	
AMMONIUM BIFLUORIDE	d	1341-49-7		No	N/E	N/E	
(Exposure limits for fluoride as dust)	d	16984-48-8		No	2.5mg/m3	2.5mg/m3	
PHOSPHORIC ACID	d	7664-38-2		No	1mg/m3	1mg/m3	
*GLYCOL ETHER							

SECTION 2 - PHYSICAL/CHEMICAL PROPERTIES

SECTION 3 - FIRE/EXPLOSION HAZARD DATA

BOILING POINT: 100°C
VAPOR PRESSURE (Non-Aerosol): N/D
VAPOR DENSITY (Air = 1): N/D
SOLUBILITY IN WATER: Miscible
SPECIFIC GRAVITY (H₂O = 1): 1.100-1.250
EVAPORATION RATE: (water = 1): 1
PHYSICAL DESCRIPTION: Clear to slightly hazy non-viscous liquid with glycol ether odor.
WATER REACTIVE: No

FLAMMABILITY: N/A
AUTO IGNITION TEMP: N/A
FLASH POINT (non-aerosols): Non-combustible
FLAMMABILITY LIMITS: %UEL – N/A %LEL – N/A
EXTINGUISHER MEDIA: Non-combustible. Use media suitable for surrounding fire.
SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus
UNUSUAL FIRE/EXP. HAZARDS: Reaction with metals may release flammable hydrogen gas. Heat may release corrosive hydrogen fluoride gas or mist.

SECTION 4 - REACTIVITY HAZARD DATA

STABILITY: Stable
HAZARDOUS POLYMERIZATION: Will not occur
INCOMPATIBILITY: Bases, glasses, metals, carbides, acetylides, phosphides, silicides.
CONDITIONS TO AVOID: Contact with strong bases can cause violent reaction generating large amounts of heat.
HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen fluoride gas, oxides of phosphorous, nitrogen & carbon, unidentified organics.

SECTION 5 - HEALTH HAZARD DATA AND FIRST AID

PRIMARY ROUTE OF ENTRY: Skin absorption, eye
ACUTE EFFECTS: Corrosive to eyes, skin, mucous membranes.

FIRST AID PROCEDURES:

SKIN: May cause severe irritation & fluoride burns, which may not be immediately evident.

SKIN: Wash with cold water for at least 15 minutes. Use alkaline soap. Contacted areas should be soaked in an iced 0.2% solution of Hyamine 1622, or iced 70% alcohol. Seek immediate medical attention.

EYES: May cause burns.

EYES: Flush (including under lids) with water for at least 30 minutes. If irritation persists, get medical attention.

INHALATION: May cause severe irritation to upper respiratory tract. Not likely to be a problem under normal conditions of handling & use.

INHALATION: Remove to fresh air. Give oxygen if breathing difficult. Get prompt medical attention.

INGESTION: May cause systemic toxic effects as well as tissue damage to GI tract.

INGESTION: DO NOT INDUCE VOMITING. Drink 3-4 glasses of water. Get immediate medical attention.

CHRONIC EFFECTS: Gastric, intestinal, circulatory, respiratory, nervous complaints, skin rashes.

Medical Conditions Generally Aggravated by Exposure: Asthma. Conditions affecting above systems and others.

SECTION 6 - CONTROL AND PROTECTIVE MEASURES

RESPIRATORY PROTECTION: None under normal use and handling conditions.
PROTECTIVE GLOVES: Neoprene or PVC.
EYE PROTECTION: Chemical goggles.
VENTILATION REQUIREMENTS: Normal room ventilation is adequate under normal use and handling conditions.
OTHER PROTECTIVE CLOTHING: Safety shower and eyewash station.
HYGIENIC WORK PRACTICE: Avoid contact with skin and avoid breathing vapors.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED: Contain spill. Do not contaminate sewers, ground or surface waters. Neutralize with soda ash or lime. Soak up in inert absorbent. Place in properly labeled, sealed, non-leaking containers.

WASTE DISPOSAL METHODS: Dispose of in accordance with all local, state and federal regulations.

PRECAUTIONS IN HANDLING AND STORAGE: Store in original shipping containers. Keep closed when not in use. Shelf life 1 year. Protect from extreme heat and cold.

OTHER PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN. KEEP OUT OF REACH OF CHILDREN. Read & follow label directions.

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without any warranty or guarantee of any kind.