



# Safety Data Sheet

## 1 – PRODUCT IDENTIFICATION

PRODUCT NAME: Body Blue  
PRODUCT TYPE: Acidic Liquid Cleaning Compound  
PRODUCT NUMBER: 1023XX (Last 2 characters vary with the packaging)  
COMPANY: Vaughan Industries  
8490 Lyndon Street,  
Detroit, MI 48375  
(313) 935-2040  
EMERGENCY PHONE: Chemtrec 1-800-424-9300

## 2 – HAZARDS IDENTIFICATION

CLASSIFICATION OF SUBSTANCE/MIXTURE: Corrosive to metals (1) Acute Toxicity Oral (3) Skin corrosion/irritation (1A) Serious Eye Damage (1) Specific target organ toxicity (single exposure) Target Organs - Respiratory system. (3) Specific target organ toxicity - (repeated exposure) Target Organs - Bone, skeletal system. (2)

SYMBOLS:



SIGNAL WORD: DANGER!  
HAZARD STATEMENT: May be corrosive to metals. Toxic if swallowed. Causes severe skin burns and eye damage. Causes serious eye damage. May cause respiratory irritation. Causes damage to organs through prolonged or repeated exposure.  
PRECAUTIONARY STATEMENTS:  
PREVENTION: Keep in the original container. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Do not breathe dust/fume/gas/mist/vapors/spray. Wear protective gloves/protective clothing/eye protection/face protection. Use only outdoors or in a well-ventilated area.  
RESPONSE:  
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do NOT induce vomiting.  
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or doctor/physician.  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician if you feel unwell.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

## 3 – COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	C.A.S. NUMBER	Wt-%
2-Propanol	67-63-0	5-10
Ammonium bifluoride	111-76-2	5-10
Alkylbenzenesulfonic Acid	27176-87-0	10-20

\*Percentages of ingredients are being withheld as trade secret information. This information will be disclosed as necessary to authorized individuals

## 4 – FIRST-AID MEASURES

BREATHING (INHALATION): If victim shows signs of discomfort or irritation, remove to fresh air. If symptoms persist, get immediate medical attention.  
SWALLOWING (INGESTION): DO NOT INDUCE VOMITING! Drink a large quantity of water or milk. Do not attempt to give liquids to an unconscious person. Get immediate medical attention!  
EYES: Flush eyes with a large quantity of fresh water for at least 15 minutes. If irritation persists, consult a physician.  
SKIN (DERMAL): Flush from skin and clothing with large amounts of fresh water. If irritation persists, consult physician. Wash contaminated clothing before wearing.

## 5 – FIRE-FIGHTING

MEASURES FLASHPOINT: This product is non-flammable.  
EXTINGUISHING MEDIA: This product is non-flammable. Use extinguishing media suitable for materials already burning.  
SPECIAL FIRE FIGHTING PROCEDURES: Firefighters working in areas where this product is present should be equipped with an approved, fully enclosed SCBA.  
UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

## 6 – ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES: Dike to prevent spillage into streams or sewer systems. Absorb spill to prevent material damage. Consult local, state and federal authorities.  
WASTE DISPOSAL: As recommended by local, state and federal authorities.

## 7 – HANDLING AND STORAGE

STORAGE: Store locked up. Keep in the original container. Store in a cool, well ventilated area. Avoid overheating or freezing.  
HANDLING: Do not place this product in an unmarked container. Avoid eye contact. Spilled material is slippery.

## 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

RESPIRATORY PROTECTION: Respirator recommended, not normally required.  
PROTECTIVE CLOTHING: Nitrile or PVC gloves, and chemical splash goggles.  
ADDITIONAL MEASURES: Do not place this product in an unmarked container. Avoid eye contact. Spilled material is slippery.

INGREDIENT	C.A.S.	PEL	ACGHI
Ammonium bifluoride	111-76-2	2.5 mg/m <sup>3</sup>	2.5 mg/m <sup>3</sup>
2-Propanol	67-63-0	400 ppm	200 ppm
Alkylbenzenesulfonic Acid	27176-87-0	Not listed	Not listed

## 9 – PHYSICAL / CHEMICAL PROPERTIES

APPEARANCE & ODOR: Clear blue liquid	VAPOR PRESSURE: N/A
ODOR THRESHOLD: N/A	VAPOR DENSITY (AIR=1): Greater than 1.
pH: Less than 3	SPECIFIC GRAVITY: 1.05
MELTING POINT: N/A	SOLUBILITY IN WATER: Completely soluble.
FREEZING POINT: N/A	PARTITION COEFFICIENT: N/A
BOILING POINT: 210 degrees F.	EVAPORATION RATE: N/A
BOILING POINT RANGE: N/A	FLAMMABILITY (solid/gas): N/A
FLASHPOINT: This product is non-flammable.	EXPLOSION LIMITS: N/A
AUTO-IGNITION TEMPERATURE: N/A	DECOMPOSITION TEMPERATURE: N/A
VISCOSITY: Slight body	

## 10 – STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions.  
HAZARDOUS POLYMERIZATION: This product not known to polymerize.  
INCOMPATIBILITY: Do not mix with other chemicals, bases or oxidizers

## 11 – TOXICOLOGICAL INFORMATION

ROUTE(S) OF ENTRY: Ingestion. Dermal contact. Eye contact. Inhalation.  
LISTED CARCINOGEN: N/A  
MEDICAL CONDITION AGGRAVATED: May aggravate pre-existing dermatitis.  
INHALATION: Can lead to inflammation of the respiratory tract and cause chemical pneumonia. Maintain adequate ventilation in the work area.  
INGESTION: This material can cause burns or damage to stomach and esophagus. May cause kidney and liver failure, hypocalcemia, and joint destruction.  
EYES: May cause severe eye irritation or burns.  
SKIN (DERMAL): This product may cause burns or irritation if not removed from the skin. This product can cause delayed burned with no noticeable pain  
TOXICOLOGICAL DATA:  
2-Propanol: ORAL (LD50): Acute: 5045 mg/kg [Rat]. 3600 mg/kg [Mouse]. 6410 mg/kg [Rabbit]. DERMAL (LD50): Acute: 12800 mg/kg [Rabbit].

## 12 – ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE AND DISTRIBUTION: N/A  
PRODUCTS OF BIODEGRADATION: Possibly hazardous short-term degradation products are not likely. However, long term degradation products may arise.  
TOXICITY OF THE PRODUCTS OF BIODEGRADATION: The products of degradation are less toxic than the product itself.

## 13 – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: As recommended by local, state and federal authorities.

## 14 – TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME: Ammonium hydrogendifluoride, solution  
Hazard Class: 8  
UN/NA Number: UN 2817  
Packing Group: III  
Labels Required: Corrosive

### **15 – REGULATIONS**

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29CFR 1910.1200

US TSCA INVENTORY STATUS: The components of this product are TSCA listed.

SARA: This product contains no material regulated under SARA Title III Section 313.

US CERCLA REPORTABLE QUANTITY: None

US TSCA INVENTORY STATUS: The components of this product are TSCA listed.

OTHER US FEDERAL REGULATIONS: None

### **16 – OTHER INFORMATION**

The data and recommendations presented herein are based upon our research and that of others and are believed to be accurate. No guarantee of their accuracy is made, and they are distributed without warranty, express or implied. The person receiving them shall make their own determination of the suitability thereof for their particular purpose.

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