1. PRODUCT AND COMPANY IDENTIFICATION

EMERGENCY RESPONSE INFORMATION:
Company Offices: 812-273-6000  Weekdays
CHEMTREC: 800-424-9300  24-Hour Service
Cara Cyrus: 812-599-3611  Evenings and Weekends
Bill Torline: 812-599-4976  Evenings and Weekends

PREPARED DATE: 01-02-15  PREPARED BY: Steven T. Hale

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Brown viscous liquid with a sweet odor. Causes severe burns to skin, eyes, and alimentary canal. Fatal if swallowed.

POTENTIAL HEALTH EFFECTS:

EYES: Causes severe burns. May result in permanent loss of vision.

SKIN: Causes severe burns.

INGESTION: Causes burns. Fatal if swallowed.

INHALATION: May cause nasal and respiratory irritation and possibly burns.

CHRONIC EFFECTS / CARCINOGENICITY: This material contains no ingredient above de minimus concentrations known or suspected to cause cancer.

POTENTIAL ENVIRONMENTAL EFFECTS: This material contains sodium hydroxide, a substance listed under CERCLA. A release of 1,000 pounds of sodium hydroxide is reportable to the National Response Center at 800-424-8802.

3. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>SYNONYM</th>
<th>CAS #</th>
<th>% BY WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium hydroxide</td>
<td>Caustic soda</td>
<td>1310-73-2</td>
<td>Greater than 20</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

EYES: Immediately flush with large quantities of cool water continuously for at least 15 minutes.

SKIN: Immediately flush with large quantities of cool water continuously for at least 15 minutes. Call a physician. Remove contaminated clothing and shoes. Do not put contaminated clothing and shoes back on. Wash clothing and shoes thoroughly in soap and water; rinse repeatedly in clean water and dry before reuse.

INGESTION: Do not induce vomiting. Give water. Never give anything by mouth to an unconscious person. Call a physician.

INHALATION: Move subject to fresh air and get medical attention.

SIGNS AND SYMPTOMS OF EXPOSURE: Contacted areas may exhibit irritation. Acute overexposure will result in burns to the contacted area with deep ulceration and subsequent scarring. Eye exposure may result in permanent loss of vision.

PRIMARY ROUTE(S) OF ENTRY: Eyes, skin, inhalation, mucous membranes.
NAME: DART 403 B.O.  
PRODUCT #: 640321

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

FLASH POINT (Method used): None prior to boiling (TOC, ASTM D 1310).

LEL: N.D.
UEL: N.D.

EXTINGUISHING MEDIA: As appropriate for surrounding fire.

FIRE FIGHTING INSTRUCTIONS:

Use NIOSH / MSHA approved positive pressure self-contained breathing apparatus when any material is involved in a fire.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Contain liquid spills with sand and absorb on inert material. Dispose with solid waste. See Waste Disposal Method. Flush remainder to drain with water. Avoid contact with liquid and solids.

7. HANDLING AND STORAGE

PRECAUTIONS:

Normal for alkaline materials. Store away from acids. Keep containers closed when not in use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS:

Use good ventilation. Local exhaust is recommended if TLV's are exceeded.

RESPIRATORY PROTECTION:

In absence of proper environmental control, use NIOSH / MSHA approved respirator for dusts and mists where airborne exposure is excessive.

SKIN PROTECTION:

Wear nitrile, neoprene, or natural rubber type gloves. Rubber apron and rubber boots required. Other equipment as required to avoid contact.

EYE PROTECTION:

Goggles and faceshield necessary.

GENERAL HYGIENE CONSIDERATIONS:

Eyewash facility and emergency shower should be in close proximity. Always wash hands after handling any chemical.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE & ODOR:

Brown viscous liquid with a sweet odor.

BOILING POINT (°F.):

260

VAPOR PRESSURE (mm Hg):

N.D.

VAPOR DENSITY (Air = 1):

N.D.

SOLUBILITY IN WATER:

Complete

FLASH POINT (Method used):

None prior to boiling (TOC, ASTM D 1310).

UEL: N.D.

LEL: N.D.

SPECIFIC GRAVITY (WATER = 1):

1.46

PERCENT VOLATILE BY VOLUME (%):

N.D.

EVAPORATION RATE (WATER = 1):

1.0

pH (100%):

12.0 – 13.0

pH (1% by volume):

12.5 – 13.0

10. STABILITY AND REACTIVITY

STABILITY:

Material is stable.

INCOMPATIBILITY (Materials to Avoid):

Aluminum, tin, zinc, and their alloys; strong acids. Avoid contact with leather or wool.

CONDITIONS TO AVOID:

No data found.

HAZARDOUS DECOMPOSITION PRODUCTS:

None known.

HAZARDOUS POLYMERIZATION:

Will not occur.

11. TOXICOCLOGICAL INFORMATION

This material, as a whole, has not been tested. This material contains no ingredient above de minimus concentrations known or suspected to cause cancer.

N.A. = Not Available  N.D. = Not Determined  N.E. = None Established  N.R. = Not Relevant
NAME: DART 403 B.O.  PRODUCT #  640321

12. ECOLOGICAL INFORMATION
This material contains no hazardous air pollutants (HAPS). This material contains sodium hydroxide, a substance listed under CERCLA. A release of 1,000 pounds of sodium hydroxide is reportable to the National Response Center at 800-424-8802.

13. DISPOSAL CONSIDERATIONS
WASTE DISPOSAL METHOD: Normal for alkaline wastes. May require pH adjustment for neutralization. Dispose in accordance with local, state, and federal regulations.

14. TRANSPORTATION INFORMATION
DOT PROPER SHIPPING DESCRIPTION: UN3266, Corrosive liquid, basic, inorganic, n.o.s., (contains sodium hydroxide), 8, PG III, ERG #154.

15. REGULATORY INFORMATION
VOC: 0 pounds per gallon (0 grams per liter).
TSCA STATUS: All ingredients are listed on the TSCA inventory.
CERCLA REPORTABLE QUANTITY: 1,000 lbs. for sodium hydroxide (approximately 187 gallons of DART 403 B.O.).

SARA 311 / 312 HAZARD CLASSES: Acute Health Chronic Health
- Fire
Sudden Release of Pressure

SARA 312 INFORMATION: Storage of 10,000 lbs. or more requires filing Tier 2 Form. This product is not an extremely hazardous substance (EHS). Threshold planning Quantity is 10,000 lbs.

SARA 313 INFORMATION: The material contains the following substances subject to the reporting requirement of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR, Part 372.

CHEMICAL NAME CATEGORY CODE CAS # % BY WEIGHT
None

STATE REGULATORY INFORMATION:
CALIFORNIA (PROPOSITION 65): California has not identified the ingredients listed in Section 3 as known to cause cancer or reproductive toxicity.

16. OTHER INFORMATION
MSDS STATUS: Revised Sections 1 and 16 on 01-02-15.
PRECAUTIONARY LABELING: DANGER! Causes severe burns to skin, eyes and alimentary canal. Fatal if swallowed. Contains sodium hydroxide, a strong alkaline material.

FOR INDUSTRIAL USE ONLY – KEEP OUT OF THE REACH OF CHILDREN