



Safety Data Sheet

Valent Tank Cleaner

1. IDENTIFICATION: CHEMICAL PRODUCT AND COMPANY

PRODUCT NAME: Valent Tank Cleaner
VC NUMBER(S): None
PRODUCT DESCRIPTION: Product to be used to clean tanks and lines following application of some flumioxazin products.

MANUFACTURER/DISTRIBUTOR
VALENT U.S.A. CORPORATION
P.O. Box 8025
1600 Riviera Avenue, Suite 200
Walnut Creek, CA 94596-8025

EMERGENCY TELEPHONE NUMBERS
HEALTH EMERGENCY OR SPILL (24 hr.):
(800) 892-0099
TRANSPORTATION (24 hr.): CHEMTREC
(800) 424-9300 or (202) 483-7616

PRODUCT INFORMATION
AGRICULTURAL PRODUCTS: (800) 682-5368

2. HAZARDS IDENTIFICATION

Classification

Skin corrosion/irritation	Category 1 Sub-category A
Serious eye damage/eye irritation	Category 1

Label elements

EMERGENCY OVERVIEW

Danger



Hazard statements

Causes severe skin burns and eye damage

Precautionary Statements - Prevention

Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response**Eyes**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
Immediately call a POISON CENTER or doctor/physician

Skin

None.

Inhalation

None.

Ingestion

None.

FIRE

None.

Spill

None.

Precautionary Statements - Storage

None.

Precautionary Statements - Disposal

None.

Hazards not otherwise classified (HNOC)

Not Applicable

Other Information

- Very toxic to aquatic life
 - Very toxic to aquatic life with long lasting effects
- 20% of the mixture consists of ingredient(s) of unknown toxicity

For information on Transportation requirements see Section 14.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Weight/ Percent	TRADE SECRET
Sodium hydroxide	1310-73-2	15 - 30	
Surfactant Blend	Proprietary	1 - 5	
Water	7732-18-5	65 - 84	

* The chemical name, CAS number and/or exact percentage have been withheld as a trade secret

Other ingredients, which may be maintained as trade secrets, are any substances other than an active ingredient contained in this product. Some of these may be hazardous, but their identities are withheld because they are considered trade secrets. The hazards associated with the other ingredients are addressed in this document. Specific information on other ingredients for the management of exposures, spills, or safety assessments can be obtained by a treating physician or nurse by calling (800) 892-0099 at any time.

4. FIRST AID MEASURES**EMERGENCY NUMBER (800) 892-0099**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact **1-800-892-0099** for emergency medical treatment information.

EYE CONTACT:

IF IN EYES: Flush IMMEDIATELY with plenty of water for 15 minutes. Seek IMMEDIATE medical attention.

SKIN CONTACT:

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

INGESTION:

Wash out mouth with water. Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. DO NOT induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

INHALATION:

Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

NOTES TO PHYSICIAN:

None

5. FIRE FIGHTING MEASURES

Flash point °C

Not applicable

EXTINGUISHING MEDIA:

Dry chemical, carbon dioxide, alcohol foam or water spray.

NFPA RATING:

Health:	3
Flammability:	0
Reactivity:	1
Special:	None

(Least-0, Slight-1, Moderate-2, High-3, Extreme-4). These values are obtained using professional judgement. Values were not available in the guidelines or published evaluations prepared by the National Fire Protection Association, NFPA.

FIRE FIGHTING INSTRUCTIONS: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH approved (or equivalent) and full protective gear.

HAZARDOUS DECOMPOSITION PRODUCTS: In combustion emits toxic fumes

6. ACCIDENTAL RELEASE MEASURES

VALENT EMERGENCY PHONE NUMBER: (800) 892-0099

CHEMTREC EMERGENCY PHONE NUMBER: (800) 424-9300

OBSERVE PRECAUTIONS IN SECTION 8: PERSONAL PROTECTION

Stop the source of the spill if safe to do so. Contain the spill to prevent further contamination of the soil, surface water, or ground water. For additional spill response information refer to the North American Emergency Response Guidebook.

UN/NA NUMBER: Not applicable

EMERGENCY RESPONSE GUIDEBOOK NO.: 154

FOR SPILLS ON LAND:

CONTAINMENT: Avoid runoff into storm sewers and ditches which lead to waterways. Contain spilled liquids with dry sorbents.

CLEANUP: Clean up spill immediately. Absorb spill with inert material (such as dry sand or earth), then place in a chemical waste container. Wash area with soap and water. Pick up wash liquid with additional absorbent and place in a chemical waste container.

FOR SPILLS IN WATER:

CONTAINMENT: This material is water soluble. Stop or reduce contamination of any water. Isolate contaminated water.

CLEANUP: Clean up spill immediately. Absorb spill with inert material. Remove contaminated water for treatment or disposal.

7. HANDLING AND STORAGE

END USER MUST READ AND OBSERVE ALL PRECAUTIONS ON PRODUCT LABEL.

HANDLING:

Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid breathing spray mist.

STORAGE:

Store in a cool, well-ventilated place away from sources of heat and direct sunlight. Keep container tightly closed. Keep only in original container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

END USER MUST READ AND OBSERVE ALL PRECAUTIONS ON PRODUCT LABEL.

INFORMATION FOR END USERS

EYES & FACE: Do not get this material in your eyes. Eye contact can be avoided by wearing tight fitting safety goggles AND a face shield.

RESPIRATORY PROTECTION: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination respirator cartridges as a backup to engineering controls.

SKIN & HAND PROTECTION: Causes skin burns. When handling this material, wear impervious protective clothing, which should include chemical resistant gloves, apron, overshoes and complete facial protection.

ENGINEERING CONTROLS: Use in a well ventilated area.

EXPOSURE LIMITS

Chemical Name	ACGIH Exposure Limits	OSHA Exposure Limits	Manufacturer's Exposure Limits
Sodium hydroxide	2 mg/m ³ Ceiling	2 mg/m ³ TWA	None
Surfactant Blend	None	None	None
Water	None	None	None

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid		
Appearance	Clear	Odor	Barely perceptible odor
Color	Straw	Odor threshold	No information available

<u>PROPERTIES</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	13	
Melting point/freezing point	No information available	
Boiling point/boiling range	No information available	
Flash point	Not applicable	
Evaporation rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limits in Air		
Upper flammability limits	No information available	
Lower flammability limit	No information available	
Vapor pressure	No information available	
Vapor density	No information available	
Specific Gravity	No information available	
Water solubility	Soluble in water	
Solubility in other solvents	No information available	
Partition coefficient	No information available	
Autoignition temperature	No information available	
Decomposition temperature	No information available	
Viscosity	Non-viscous	
Explosive properties	No information available	
Oxidizing properties	No information available	
Density	1.235	
Bulk density	No information available	

10. STABILITY AND REACTIVITY**Reactivity**

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

Extremes of temperature and direct sunlight.

Incompatible materials

Water, acids, organic materials, chlorinated solvents, aluminum, phosphorus, tin/tin oxides, zinc.

Hazardous Decomposition Products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION**ACUTE TOXICITY:**

Oral Toxicity LD ₅₀ (rats)	This product is a gastrointestinal irritant and may cause burns if swallowed. The oral LD ₅₀ is reported as 325 mg/kg.
Dermal Toxicity LD ₅₀ (rabbits)	The dermal toxicity LD ₅₀ is reported as 1,350 mg/kg.
Inhalation Toxicity LC ₅₀ (rats)	This product may be a respiratory irritant.
Eye Irritation (rabbits)	This product produced prolonged or significant eye irritation or irreversible eye damage in tests animals. (Toxicity Category I)
Skin Irritation (rabbits)	This product was corrosive to skin in tests with animals. (Toxicity Category I)
Skin Sensitization (guinea pigs)	Not available

CARCINOGEN CLASSIFICATION

Chemical Name	IARC	OSHA - Select Carcinogens	NTP Carcinogen List
Sodium hydroxide	Not listed	Not listed	Not listed
Surfactant Blend	Not listed	Not listed	Not listed

CHRONIC/CARCINOGENICITY: No data available

DEVELOPMENTAL TOXICITY: No data available

REPRODUCTION: No data available

MUTAGENICITY: No data available

For a summary of the potential for adverse health effects from exposure to this product, refer to Section 2. For information regarding regulations pertaining to this product, refer to Section 15.

12. ECOLOGICAL INFORMATION

Mobility: Readily absorbed into soil.
Persistence and Degradation: Biodegradable.
Bioaccumulation Potential: No bioaccumulation potential.
Other Adverse Effects: Negligible ecotoxicity.

96hr EC50 Fish mg/L	0.5
48hr EC50 Daphnia mg/L	1.0
72hr EC50 Algae mg/L	1.4

OTHER ENVIRONMENTAL INFORMATION:

To protect the environment, do not allow product to enter or run off into storm drains, drainage ditches, gutters or surface waters.

13. DISPOSAL CONSIDERATIONS

END USERS MUST DISPOSE OF ANY UNUSED PRODUCT AS PER THE LABEL RECOMMENDATIONS.

PRODUCT DISPOSAL: Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

CONTAINER DISPOSAL: If contaminated, dispose of as unused product.

DISPOSAL METHODS: Check government regulations and local authorities for approved disposal of this material. Dispose of in accordance with applicable laws and regulations.

14. TRANSPORTATION INFORMATION

DOT (ground) SHIPPING NAME: UN 1824, Sodium hydroxide solution, 8, PGII
REMARKS: Less than 1.0 L - see 49CFR172.203(b) and 173.154
EMERGENCY RESPONSE 154
GUIDEBOOK NO.:

ICAO/IATA SHIPPING NAME: UN 1824, Sodium hydroxide solution, 8, PGII

IMDG SHIPPING NAME: UN 1824, Sodium hydroxide solution, 8, PGII, Marine Pollutant
EMS NO.: F-A, S-B

15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS: Ingredients in this product are reviewed against an inclusive list of federal regulations. Therefore, the user should consult appropriate authorities. The federal regulations reviewed include: Clean Water Act, SARA, CERCLA, RCRA, DOT, TSCA and OSHA. If no components or information is listed in the space below this paragraph, then none of the regulations reviewed are applicable.

Sodium hydroxide

TSCA Inventory List -	Present
Clean Water Act - Hazardous Substances	Present
CERCLA Reportable Quantity (RQ):	1000 lb 454 kg

Product Reportable Quantity (RQ): 323 gallons

SARA (311, 312):

Immediate Health:	Yes
Chronic Health:	No
Fire:	No
Sudden Pressure:	No
Reactivity:	Yes

STATE REGULATIONS: Each state may promulgate standards more stringent than the federal government. This section cannot encompass an inclusive list of all state regulations. Therefore, the user should consult state or local authorities. The state regulations reviewed include: California Proposition 65, California Directors List of Hazardous Substances, Massachusetts Right to Know, Michigan Critical Materials List, New Jersey Right to Know, Pennsylvania Right to Know, Rhode Island Right to Know and the Minnesota Hazardous Substance list. For Washington State Right to Know, see Section 8 for Exposure Limit information. For Louisiana Right to Know refer to SARA information listed under U.S. Regulations above. If no components or information is listed in the space below this paragraph, then none of the regulations reviewed are applicable.

Sodium hydroxide

Emergency Telephone: (800) 892-0099
REVISION NUMBER: 2

SDS NO.: 0404
REVISION DATE: 11/12/2014

California - Directors List of Hazardous Substances	Present
MA Right To Know	Present
NJ Right To Know	1706
PA Right To Know	Environmental hazard
RI Right To Know	Listed
MN Hazardous Substance	Present

Water

PA Right To Know	Present
------------------	---------

For information regarding potential adverse health effects from exposure to this product, refer to Sections 2 and 11.

16. OTHER INFORMATION

REASON FOR ISSUE:	Updated information to meet OSHA Hazcom 2012 (GHS) regulations.
SDS NO.:	0404
REVISION NUMBER:	2
REVISION DATE:	11/12/2014
SUPERCEDES DATE:	07/09/2014
RESPONSIBLE PERSON(S):	Valent U.S.A. Corporation, Corporate EH&S, (925) 256-2803

This Safety Data Sheet (SDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE EPA-APPROVED PRODUCT LABELING (attached to and accompanying the product container). This SDS provides important health, safety, and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use, while the labeling provides that information specifically for product use in the ordinary course.

The information in this SDS is based on data available to us as of the revision date given herein, and believed to be correct. Contact Valent U.S.A. Corporation to confirm if you have the most current SDS.

Judgements as to the suitability of information herein for the individual's own use or purposes are necessarily the individual's own responsibility. Although reasonable care has been taken in the preparation of such information, Valent extends no warranties, makes no representations, and assumes no responsibility as to the accuracy or suitability of such information for application to the individual's purposes or the consequences of its use.

2014 Valent U.S.A. Corporation