BLUE CARDINAL CHEMICAL

SAFETY DATA SHEET

Issue Date 04/04/2024 **Revision Date** 08/12/2024 **Version** 1.3

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Top Notch

Other means of identification

Product Code 1297

Recommended use of the chemical and restrictions on use

Recommended use Drain maintainer

Uses Advised Against For industrial and institutional use only.

Details of the supplier of the safety data sheet

Company Name Blue Cardinal Chemical, LLC
3670 Scarlet Oak Blvd.
St. Louis, MO 63122
800-325-3312

Emergency telephone number

Emergency Telephone CHEMTEL 1-800-255-3924

2. HAZARDS IDENTIFICATION

Classification

Skin corrosion/irritation	Category 1A H314

Label elements

Emergency Overview

DANGER

Hazard statements

Causes severe skin burns and eye damage.

Appearance: Clear to hazy liquid **Physical state:** Liquid **Odor:** Mild odor

Precautionary Statements - Prevention

Do not breathe mist, vapors. Wash thoroughly after handling. Wear eye protection, protective gloves, protective clothing.

Precautionary Statements - Response

If swallowed: rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. 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, a doctor. Specific treatment (see First aid measures on this label). Wash contaminated clothing before reuse.

Precautionary Statements - Storage

Store locked up.

Precautionary Statements - Disposal

Dispose of contents/container to comply with local/regional/national/international regulations.

Hazards not otherwise classified (HNOC)

Other Information

• No additional information available

Unknown Acute Toxicity Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NO.	WEIGHT - %	GHS-US classification	TRADE SECRET
Sodium hydroxide	1310-73-2	40-70	Acute Tox. 4 (Dermal), H312 Skin Corr. 1A, H314 Eye Dam. 1, H318	*
Potassium hydroxide	1310-58-3	3-7	Acute Tox. 4 (Oral), H302 Skin Corr. 1, H314	*

***The exact percentage (concentration) of composition has been withheld as a trade secret.**

Full text of H-phrases: see section 16

4. FIRST AID MEASURES

First aid measures

General Advice Call a physician immediately.

Skin Contact Rinse skin with water/shower. Take off immediately all contaminated clothing. Call a physician immediately.

Eye Contact Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.

Ingestion Rinse mouth. Do not induce vomiting. Call a physician immediately.

Most important symptoms and effect, both acute and delayed

Symptoms

Symptoms/effects after inhalation: Corrosive to the respiratory tract.

Symptoms/effects after skin contact: Harmful in contact with skin. Caustic burns/ corrosion of the skin.

Symptoms/effects after eye contact: Causes serious eye damage. Permanent eye damage.Serious damage to eyes.

Symptoms/effects after ingestion: Burns to the gastric/intestinal mucosa. Burns.

Indication of any immediate medical attention and special treatment needed

Note to physicians No additional information available

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media
ABC powder

Specific hazards arising from the chemical
Reacts violently with water. Reacts with (some) metals: release of highly flammable gases/vapors (hydrogen).

Protective equipment and precautions for firefighters
Exercise caution when fighting any chemical fire. Use water moderately and if possible collect or contain it.

6. ACCIDENTAL RELEASE MEASURES

General measures Isolate from fire, if possible, without unnecessary risk.

Personal precautions, protective equipment and emergency procedures

Personal precautions Gloves. Protective goggles. Face-shield.

Emergency procedures Keep upwind. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray.

For emergency responders

Emergency procedures Stop leak if safe to do so. Stop release.

Environmental precautions

Environmental precautions Avoid release to the environment. Prevent soil and water pollution.

Methods and material for containment and cleaning up

Methods for containment Contain released product, pump into suitable containers.

Methods for cleaning up Absorb spillage to prevent material-damage. Small quantities of liquid spill: neutralize with acid solution. This material and its container must be disposed of in a safe way, and as per local legislation.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Carry operations in the open/under local exhaust/ventilation or with respiratory protection. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse.

Conditions for safe storage, including any incompatibilities

Storage Conditions Store in original container. Store in a dry place. Store in a closed container. Keep cool. Store locked up. Keep only in the original container. Store in a dry area. Store in a cool area.

Incompatibilities Metals.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Sodium hydroxide (1310-73-2)		
ACGIH	**ACGIH OEL C**	2 mg/m³
ACGIH	**Remark (ACGIH)**	TLV® Basis: URT, eye, & skin irr
OSHA	**OSHA PEL (TWA) (mg/m³)**	2 mg/m³

Potassium Hydroxide (1310-58-3)		
ACGIH	**ACGIH OEL C**	2 mg/m³
ACGIH	**Remark (ACGIH)**	TLV® Basis: URT, eye, & skin irr

Individual protection measures, such as personal protective equipment

Eye/face protection Face shield. Safety glasses.

Skin and body protection Gloves. Protective clothing.

General Hygiene Use appropriate personal protective equipment when risk assessment indicates this is necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid
Appearance	Clear to hazy liquid.
Color	Clear to hazy
Odor	Mild odor
Odor Threshold	No data available

Property	**Values**
pH	14
Melting point	No data available
Freezing point	No data available
Boiling point	No data available
Flash point	No data available
Relative evaporation rate (butyl acetate=1)	No data available
Flammability (solid, gas)	No data available
Explosion limits	No data available
Explosive properties	No data available
Oxidizing properties	No data available
Vapor pressure	No data available
Relative density	No data available
Relative vapor density at 20 °C	No data available
Specific gravity / density	1.51 g/ml
Solubility	Soluble in water.
Log Pow	No data available
Log Kow	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic	No data available
VOC content	0 %

10.STABILITY AND REACTIVITY

Reactivity
Reacts violently with water. Reacts with (some) metals: release of highly flammable gases/vapours (hydrogen).

Chemical Stability
No additional information available.

Possibility Of Hazardous Reactions
Reacts violently with water..

Conditions To Avoid
No additional information available

Incompatible Materials
May be corrosive to metals. Metals.

Hazardous Decomposition Products
May release flammable gases.

11.TOXICOLOGICAL INFORMATION

Acute toxicity
Not classified.

Sodium hydroxide (1310-73-2)	
LD50 oral rat	4090 mg/kg
LD50 dermal rabbit	1350 mg/kg
ATE CLP (oral)	4090 mg/kg body weight
ATE CLP (dermal)	1350 mg/kg body weight
Potassium hydroxide (1310-58-3)	
LD50 oral rat	273 mg/kg (Rat, Oral)
ATE CLP (oral)	273 mg/kg bodyweight

Skin corrosion/irritation
Causes severe skin burns and eye damage.
pH: 14

Serious eye damage/irritation
Assumed to cause serious eye damage
pH: 14

Respiratory or skin sensitization
Not classified

Germ cell mutagenicity
Not classified

Carcinogenicity
Not classified

Reproductive toxicity
Not classified

Specific target organ toxicity (single exposure)
Not classified

Specific target organ toxicity (repeated exposure)
Not classified

Aspiration hazard
Not classified

Symptoms/injuries after inhalation
Corrosive to the respiratory tract.

Symptoms/injuries after skin contact
Harmful in contact with skin. Caustic burns/corrosion of the skin.

Symptoms/injuries after eye contact
Causes serious eye damage. Permanent eye damage. Serious damage to eyes.

Symptoms/injuries after ingestion
Burns to the gastric/intestinal mucosa. Burns.

Likely routes of exposure
Skin and eye contact

12. ECOLOGICAL INFORMATION

Toxicity

Ecology - general: Before neutralisation, the product may represent a danger to aquatic organisms.

Sodium hydroxide (1310-73-2)	
LC50 - Fish [1]	125 mg/l
EC50 - Crustacea [1]	40.4 mg/l Test organisms (species): Ceriodaphnia sp.
Potassium hydroxide (1310-58-3)	
LC50 - Fish [1]	80 mg/l (96 h, Gambusia affinis, Pure substance)
EC50 - Crustacea [1]	660 mg/l Source: NCIS

Persistence and Degradability

Potassium hydroxide (1310-58-3)	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

Bioaccumulation

Sodium hydroxide (1310-73-2)	
Partition coefficient n-octanol/water (Log Pow)	-3.88 Source: SRC
Potassium hydroxide (1310-58-3)	
Bioaccumulative potential	Not bioaccumulative.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes Dispose of contents/container to comply with local/regional/national regulations.

14. TRANSPORT INFORMATION

Department of Transportation (DOT)

UN3266 Corrosive liquid, basic, inorganic, n.o.s. (sodium hydroxide, potassium hydroxide), 8, II

DOT

UN/ID No.	*UN3266.*
Proper Shipping Name	*Corrosive liquid, basic, inorganic, n.o.s.*
Hazard Class	*8 - Class 8 - Corrosive material 49 CFR 173.136*
Packing Group	*II - Medium Danger*
Class (DOT)	*8 - Class 8 - Corrosive material 49 CFR 173.136*

Hazard labels (DOT)

8 - Corrosive

Packing group (DOT)

II - Medium Danger

DOT Packaging Non Bulk (49 CFR 173.xxx)

202

DOT Packaging Bulk (49 CFR 173.xxx)

242

DOT Symbols
G - Identifies PSN requiring a technical name

DOT Special Provisions (49 CFR 172.102)
B2,IB2,T11,TP2,TP27

DOT Packaging Exceptions (49 CFR 173.xxx)
154

DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)
1 L

DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)
30 L

DOT Vessel Stowage Location
B

DOT Vessel Stowage Other
40 - Stow "clear of living quarters",52 - Stow "separated from" acids

Additional information
Other information : When transported by ground, this product may be eligible to be shipped as a Limited Quantity or Consumer Commodity ORM-D utilizing the exception found at 49 CFR 173.154. If any alteration of packaging, product, or mode of transportation is further intended, different shipping names and labeling may be required.

ADR
No additional information available

Transport by sea
No additional information available

Air transport
No additional information available

15. REGULATORY INFORMATION

International Inventories

TSCA All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Legend:
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

Sodium hydroxide (1310-73-2)	
Not subject to reporting requirements of the United States SARA Section 313	
CERCLA RQ	1000 lb
Potassium hydroxide (1310-58-3)	
Not subject to reporting requirements of the United States SARA Section 313	
CERCLA RQ	1000 lb

US State Regulations

California Proposition 65
This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

16. OTHER INFORMATION

Training advice: Normal use of this product shall imply use in accordance with the instructions on the packaging.

NFPA	**Health hazards**	3	**Flammability**	0	**Reactivity**	1
HMIS	**Health hazards**	3	**Flammability**	0	**Physical Hazards**	1

Full text of H-phrases:

H290	May be corrosive to metals
H301	Toxic if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage

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Revision Date 8/12/2024
Revision Note

N/A = Not Applicable; N/D = Not Determined

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet