

Issue Date 3/20/2018

Revision Date 03/19/2018

Version 1.2

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

Acute toxicity - Oral	Category 3
Acute toxicity - Dermal	Category 4
Skin corrosion/irritation	Category 1A

Label elements

Emergency Overview

DANGER

Hazard statements

Toxic if swallowed. Harmful in contact with skin. 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. Do not eat, drink or smoke when using this product. Wear eye protection, protective gloves, protective clothing.

Precautionary Statements - Response

If swallowed: Immediately call a doctor, a POISON CENTER. If swallowed: rinse mouth. Do NOT induce vomiting. If on skin: Wash with plenty of water. 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. Call a doctor, a POISON CENTER if you feel unwell. Specific treatment (see First aid measures on this label). Specific treatment (see supplemental first aid instruction on this label.) Rinse mouth. Take off contaminated clothing and wash it before reuse.

Precautionary Statements - Storage

Wash contaminated clothing before reuse. 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	*
Potassium hydroxide	1310-58-3	3-13	Met. Corr. 1, H290 Acute Tox. 3 (Oral), H301 Skin Corr. 1A, 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**

If you feel unwell, seek medical advice (show the label where possible).

Skin Contact

Take off immediately all contaminated clothing and wash it before reuse. Rinse skin with water/shower. Take victim to a doctor if irritation persists.

Eye Contact

Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. Immediately call a poison center or doctor/physician.

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Ingestion

Immediately call a poison center or doctor/physician. Rinse mouth. Do NOT induce vomiting.

Most important symptoms and effect, both acute and delayed**Symptoms**

Symptoms/effects: Causes severe skin burns and eye damage.

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.

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

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. Use water spray or fog for cooling exposed containers. Do not enter fire area without proper protective equipment, including respiratory protection.

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

For emergency responders**Personal precautions**

Equip cleanup crew with proper protection.

Emergency procedures

Stop leak if safe to do so. Stop release. Ventilate area.

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. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse.

Conditions for safe storage, including any incompatibilities**Storage Conditions**

Keep container closed when not in use. Store in original container. Store in a dry place. Store in a closed container. Keep cool. Keep only in the original container. Store in a dry area. Store in a cool area.

Incompatibilities

Strong acids. Metals.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Sodium hydroxide (1310-73-2)		
ACGIH	ACGIH Ceiling (mg/m ³)	2 mg/m ³
ACGIH	Remark (ACGIH)	URT, eye, & skin irr
OSHA	OSHA PEL (TWA) (mg/m ³)	2 mg/m ³

Potassium hydroxide (1310-58-3)	
Not applicable	

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

<u>Property</u>	<u>Values</u>
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. Strong acids. metals.

Hazardous Decomposition Products

May release flammable gases.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Oral: Toxic if swallowed. Dermal: Harmful in contact with skin.

TOP NOTCH	
LD50 oral rat	214 mg/kg Potassium Hydroxide
LD50 dermal rabbit	1350 mg/kg Sodium Hydroxide
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	214 mg/kg
ATE CLP (oral)	500 mg/kg body weight

Skin corrosion/irritation

Causes severe skin burns and eye damage.

pH: 14

Serious eye damage/irritation

Not classified

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.

Symptoms/injuries after ingestion

Toxic if swallowed. Burns to the gastric/intestinal mucosa.

Likely routes of exposure

Skin and eye contact

12. ECOLOGICAL INFORMATION**Toxicity**

No additional information available

Persistence and Degradability

No additional information available

Bioaccumulation

No additional information available

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**

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

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**

WARNING: This product can expose you to cadmium (non-pyrophoric), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

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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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