

SECTION 1: Product and company identification

Product name : Drain Away
Use of the substance/mixture : Drain maintainer
Product code : 0255
Company : Total Solutions
P.O. Box 240014
Milwaukee, WI 53224 - USA
T 800-743-6417
athea.com
Contact: Technical Department
Emergency number : Chemtrec: 1-800-424-9300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification
Skin Corr. 1A H314

2.2. Label elements

GHS US labelling
Hazard pictograms (GHS US) :



Signal word (GHS US) : Danger
Hazard statements (GHS US) : Causes severe skin burns and eye damage.
Precautionary statements (GHS US) : Do not breathe mist, vapours.
Wash thoroughly after handling
Wear eye protection, protective gloves, protective clothing.
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.
Store locked up.
Dispose of contents/container to comply with local/regional/national/international regulations..

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS-US classification
Sodium Hydroxide (Alkaline Cleaning Agent)	(CAS-No.) 1310-73-2	40-70	Acute Tox. 4 (Dermal), H312 Skin Corr. 1A, H314 Eye Dam. 1, H318
Potassium Hydroxide (Alkaline Cleaning Agent)	(CAS-No.) 1310-58-3	3-7	Acute Tox. 4 (Oral), H302 Skin Corr. 1, H314

All hazardous chemicals, as determined by 29 CFR 1910.1200 have been listed. A specific chemical identity and/or percentage of composition has been withheld as a trade secret. Any concentration shown as a range is to protect confidentiality or is due to batch variation.

SECTION 4: First aid measures

4.1. Description of first aid measures

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|---------------------------------------|--|
| First-aid measures general | : Call a physician immediately. |
| First-aid measures after skin contact | : Rinse skin with water/shower. Take off immediately all contaminated clothing. Call a physician immediately. |
| First-aid measures after eye contact | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately. |
| First-aid measures after ingestion | : Rinse mouth. Do not induce vomiting. Call a physician immediately. |

4.2. Most important symptoms and effects, both acute and delayed

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|-------------------------------------|---|
| 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. Burns. |
| 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. |

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

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| Suitable extinguishing media | : ABC powder. |
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5.2. Special hazards arising from the substance or mixture

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| Reactivity | : Reacts violently with water. Reacts with (some) metals: release of highly flammable gases/vapours (hydrogen). |
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5.3. Advice for firefighters

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| Firefighting instructions | : Use water moderately and if possible collect or contain it. |
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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| General measures | : Isolate from fire, if possible, without unnecessary risk. |
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6.1.1. For non-emergency personnel

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| Protective equipment | : Gloves. Protective goggles. Face shield. |
| Emergency procedures | : Keep upwind. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray. |

6.1.2. For emergency responders

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|----------------------|---|
| Emergency procedures | : Stop leak if safe to do so. Stop release. |
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6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

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|-------------------------|---|
| For containment | : Contain released product, collect/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. |

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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| Precautions for 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. |
| Hygiene measures | : Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse. |

7.2. Conditions for safe storage, including any incompatibilities

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|------------------------|---|
| Storage conditions | : Store in original container. Store in a dry place. Store in a closed container. Keep cool. Store locked up. |
| Incompatible materials | : Metals. |
| Storage area | : Keep only in the original container. Store in a dry area. Store in a cool area. |

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Sodium Hydroxide (1310-73-2)		
ACGIH	ACGIH OEL C	2 mg/m ³
ACGIH	Remark (ACGIH)	TLV® Basis: URT, eye, & skin irr
OSHA	OSHA PEL TWA	2 mg/m ³

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

8.2. Exposure controls

Personal protective equipment : Face shield. Gloves. Safety glasses. Protective clothing. Use appropriate personal protective equipment when risk assessment indicates this is necessary.



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear to hazy liquid
Odour	: Mild odor
Odour threshold	: No data available
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 (butylacetate=1)	: No data available
Flammability	: No data available
Explosive limits	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Vapour pressure	: No data available
Relative density	: No data available
Relative vapour density at 20°C	: No data available
Density	: 1.51 g/ml
Solubility	: Soluble in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Partition coefficient n-octanol/water (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 %

SECTION 10: Stability and reactivity

10.1. Reactivity

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

10.2. Chemical stability

No additional information available

10.3. Possibility of hazardous reactions

Reacts violently with water.

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

May be corrosive to metals. metals.

10.6. Hazardous decomposition products

May release flammable gases.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Sodium Hydroxide (1310-73-2)	
LD50 oral rat	4090 mg/kg
LD50 dermal rabbit	1350 mg/kg Source: NCIS
ATE CLP (oral)	4090 mg/kg bodyweight
ATE CLP (dermal)	1350 mg/kg bodyweight

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.
pH: 14

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

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

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. Burns.

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.

Likely routes of exposure : Skin and eyes contact

SECTION 12: Ecological information

12.1. 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

12.2. 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

12.3. Bioaccumulative potential

Sodium Hydroxide (1310-73-2)

Drain Away

Safety Data Sheet

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

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose of contents/container to comply with local/regional/national regulations.

SECTION 14: Transport information

Department of Transportation (DOT)

Transport document description (DOT) : UN3266 Corrosive liquid, basic, inorganic, n.o.s. (sodium hydroxide, potassium hydroxide), 8, II
UN-No.(DOT) : UN3266
Proper Shipping Name (DOT) : Corrosive liquid, basic, inorganic, n.o.s.
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 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

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Sodium Hydroxide (1310-73-2)

Not subject to reporting requirements of the United States SARA Section 313
CERCLA RQ : 1000 lb

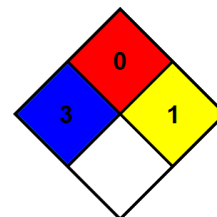
Potassium Hydroxide (1310-58-3)

Not subject to reporting requirements of the United States SARA Section 313
CERCLA RQ : 1000 lb

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

SECTION 16: Other information

Training advice	:	Normal use of this product shall imply use in accordance with the instructions on the packaging.
NFPA health hazard	:	3 - Materials that, under emergency conditions, can cause serious or permanent injury.
NFPA fire hazard	:	0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.
NFPA reactivity	:	1 - Materials that in themselves are normally stable but can become unstable at elevated temperatures and pressures.



Prepared by: Technical Department

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Our company assumes no responsibility for personal injury or property damage to the vendee, users or third parties caused by the material. Such vendees or users assume all risks associated with the use of this material.