Plug Away
Safety Data Sheet

SECTION 1: Product and company identification

Product name	:	Plug Away
Use of the substance/mixture	:	Drain maintainer
Product code	:	QPA303
Company	:	PRO-LINE INDUSTRIAL PRODUCTS 723 W UNIVERSITY AVE. 110-428 GEORGETOWN, TX 78626 - US T 800-263-9436
Emergency number	:	800-424-9300 Chemtrec

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Acute Tox. 3 (Oral)	H301
Acute Tox. 4 (Dermal)	H312
Skin Corr. 1A	H314

2.2. Label elements

GHS US labelling

Hazard pictograms (GHS US) :

GHS05 GHS06

Signal word (GHS US) : Danger

Hazard statements (GHS US) : Toxic if swallowed.
Harmful in contact with skin.
Causes severe skin burns and eye damage.

Precautionary statements (GHS US) : Do not breathe mist, vapours.
Wash thoroughly after handling
Do not eat, drink or smoke when using this product.
Wear eye protection, protective gloves, protective clothing.
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 supplemental first aid instruction on this label).
Rinse mouth.
Take off contaminated clothing and wash it before reuse.
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	(CAS-No.) 1310-73-2	40 - 70	Acute Tox. 4 (Dermal), H312 Skin Corr. 1A, H314

Potassium Hydroxide	(CAS-No.) 1310-58-3	< 100	Acute Tox. 3 (Oral), H301 Skin Corr. 1, H314 Eye Dam. 1, H318

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

First-aid measures general : If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after 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.

First-aid measures after 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/doctor.

First-aid measures after ingestion : Immediately call a POISON CENTER/doctor. Rinse mouth. Do NOT induce vomiting.

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

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.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : ABC powder.

5.2. Special hazards arising from the substance or mixture

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

5.3. Advice for firefighters

Firefighting instructions : 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.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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

6.1.1. For non-emergency personnel

Protective equipment : Gloves. Protective goggles. Face shield.

Emergency procedures : Keep upwind.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Stop leak if safe to do so. Stop release. Ventilate area.

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

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

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.

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

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.

Incompatible products : Strong acids.

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/m³
ACGIH	Remark (ACGIH)	URT, eye, & skin irr
OSHA	OSHA PEL TWA [1]	2 mg/m³

Potassium Hydroxide (1310-58-3)		
ACGIH	ACGIH OEL C	2 mg/m³
ACGIH	Remark (ACGIH)	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 (solid, gas) : 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 : 1.48 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. Strong acids. metals.

10.6. Hazardous decomposition products

May release flammable gases.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Plug Away	
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 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.

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.

SECTION 12: Ecological information

12.1. Toxicity

Potassium Hydroxide (1310-58-3)	
LC50 - Fish [1]	80 mg/l (96 h, Gambusia affinis, Pure substance)

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

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

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

This product or mixture is not known to 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.

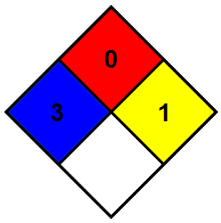
Sodium Hydroxide	(1310-73-2)	CERCLA RQ1000 lb
Potassium Hydroxide	(1310-58-3)	CERCLA RQ1000 lb

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.

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.



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