Safety Data Sheet

OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2024 and GHS Rev 07.

Date of issue: 05/14/2026 Reviewed on 05/14/2026

* 1 Identification

· **Product identifier**

· **Trade name: REAM**
· **Other means of identification**

· **Product number:** 3050
· **Relevant identified uses of the substance or mixture and uses advised against**
· **Product Description:** Granular Drain Opener & Maintainer

· **Details of the supplier of the safety data sheet**
· **Manufacturer/Supplier:**
Perform Mfg
1624 S. 45th St.
Kansas City, KS 66106
Customer Service: 913-722-1557
E-Mail: sales@performmfg.com
· **Emergency telephone number:** Infotrac: US & Canada: 1-800-535-5053 | International 1-352-323-3500

2 Hazard(s) identification

· **Classification of the substance or mixture**

GHS05 Corrosion

Skin corrosion 1A H314 Causes severe skin burns and eye damage.
Eye damage 1 H318 Causes serious eye damage.

· **Label elements**
· **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
· **Hazard pictograms**

GHS05

· **Signal word** Danger

· **Hazard-determining components of labeling:**
SODIUM HYDROXIDE
· **Hazard statements**
Causes severe skin burns and eye damage.
· **Precautionary statements**
Do not breathe dusts or mists.
Wash thoroughly after handling.
Wear eye protection / face protection.
Wear protective gloves/protective clothing/eye protection/face protection.
If swallowed: Rinse mouth. Do NOT induce vomiting.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or 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/doctor.
Specific treatment (see on this label).
Wash contaminated clothing before reuse.

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Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Unknown acute toxicity:**
This value refers to knowledge of known, established toxicological or ecotoxicological values.
0 % of the mixture consists of component(s) of unknown toxicity.

· **Information pertaining to particular dangers for man and environment:**

· **Classification system:** NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme

· **NFPA ratings (scale 0 - 4)**

Health = 3
Fire = 0
Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**

Health = 3
Fire = 0
Reactivity = 0

· **Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable

· **vPvB:** Not applicable

· **Classification according to (d)(1)(ii) of § 1910.1200**
The SDS issuer does not object to the classifications provided by importers or manufacturers of precursor products.

· **Hazards not otherwise classified (HNOC)**
There are no adverse physical or health effects known that are not covered by the hazard classes of the Hazard Communications Standard.

* 3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**		
1310-73-2	SODIUM HYDROXIDE Corrosive to metals 1, H290; Skin corrosion 1A, H314; Acute toxicity - oral 4, H302 Specific concentration limits: Skin Corr. 1A; H314: C ≥ 5 % Skin Corr. 1B; H314: 2 % ≤ C < 5 % Skin Irrit. 2; H315: 0.5 % ≤ C < 2 % Eye Irrit. 2; H319: 0.5 % ≤ C < 2 %	80–100%

* 4 First-aid measures

· **Description of first aid measures**

· **General information:** Immediately remove any clothing soiled by the product.

· **After inhalation:**
Supply fresh air. If required, provide artificial respiration. Consult doctor if symptoms persist.
In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:**
Remove contaminated clothing and wash before reuse.
Immediate medical treatment necessary. Failure to treat burns can prevent wounds from healing.
Immediately wash skin with soap and plenty of water for at least 15 minutes.

· **After eye contact:**
Have eyes examined and tested by medical personnel.

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If thermal burn occurs, flush area with cold water and get immediate medical attention.
Seek immediate medical attention.
Rinse opened eye for at least 15 minutes under running water.
If easy to do so, remove contact lenses if worn.

· **After swallowing:**
Drink copious amounts of water and provide fresh air. Immediately call a doctor.
Never give anything by mouth to an unconscious person.
Do not induce vomiting.

· **Most important symptoms and effects, both acute and delayed** No further relevant information available.

· **Indication of any immediate medical attention and special treatment needed** Treat symptomatically.

* 5 Fire-fighting measures

· **Extinguishing media**

· **Suitable extinguishing agents:**
Use fire fighting measures that suit the environment.
CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· **For safety reasons unsuitable extinguishing agents:** No further relevant information.

· **Special hazards arising from the substance or mixture**
During heating or in case of fire poisonous gases are produced.

· **Advice for firefighters**

· **Protective equipment:**
As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

* 6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures**
Mount respiratory protective device.
Wear protective equipment. Keep unprotected persons away.
Do not touch or walk through spilled material.

· **For non-emergency personnel** Use appropriate personal protection equipment (PPE).

· **For emergency responders**
Equip cleanup crew with proper protection. Use appropriate personal protection equipment (PPE).

· **Environmental precautions:** Do not allow to enter sewers / surface or ground water.

· **Methods and material for containment and cleaning up:**
Use neutralizing agent.
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.

· **Protective Action Criteria for Chemicals**
Protective Action Criteria (PACs) are essential components for planning and response to uncontrolled releases of hazardous chemicals.

· **PAC-1:**
PAC 1: Mild, transient health effects.

1310-73-2	SODIUM HYDROXIDE	0.50 mg/m3
120-51-4	Benzyl Benzoate	5.1 mg/m3
91-64-5	Coumarin	0.88 mg/m3

· **PAC-2:**
PAC 2: Irreversible or other serious health effects that could impair the ability to take protective action.

1310-73-2	SODIUM HYDROXIDE	5.0 mg/m3
120-51-4	Benzyl Benzoate	56 mg/m3
91-64-5	Coumarin	9.7 mg/m3

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· **PAC-3:**
PAC 3: Life-threatening health effects.

1310-73-2	SODIUM HYDROXIDE	50 mg/m3
120-51-4	Benzyl Benzoate	340 mg/m3
91-64-5	Coumarin	58 mg/m3

· **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

* 7 Handling and storage

· **Precautions for safe handling**
Thorough dedusting.
Avoid contact with skin, eyes and clothing.
Wash hands before breaks and at the end of workday.
Store in cool, dry place in tightly closed receptacles.
Keep out of reach of children.
Ensure good ventilation/exhaustion at the workplace.
· **Information about protection against explosions and fires:** Keep respiratory protective device available.

· **Conditions for safe storage, including any incompatibilities**
· **Storage:**
· **Requirements to be met by storerooms and receptacles:**
Keep container closed when not in use.
Keep in properly labelled containers.
Store in the original container.
· **Information about storage in one common storage facility:** Not required
· **Further information about storage conditions:** Keep receptacle tightly sealed.
· **Specific end use(s)** No further relevant information available.

* 8 Exposure controls/personal protection

· **Control parameters**

· **Components with limit values that require monitoring at the workplace:**	
1310-73-2 SODIUM HYDROXIDE	
PEL	Long-term value: 2 mg/m³
REL	Ceiling limit value: 2 mg/m³
TLV	Ceiling limit value: 2 mg/m³

· **Regulatory information**
PEL: Guide to Occupational Exposure Values (OSHA PELs)
REL: Guide to Occupational Exposure Values (NIOSH RELs)
TLV: Guide to Occupational Exposure Values (TLV)
· **Additional information:** The lists that were valid during the creation of this SDS were used as basis.

· **Exposure controls**
Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the SDS. Where acceptable concentrations cannot be maintained by general mechanical ventilation, local exhaust ventilation is recommended.
· **Appropriate engineering controls** No further data; see section 7.
· **Personal protective equipment:**
· **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.

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Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.

· ***Breathing equipment:***
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

· ***Protection of hands:***

Protective gloves

· ***Material of gloves***
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

· ***Penetration time of glove material***
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· ***Eye protection:***

Tightly sealed goggles

· ***Body protection:***

Protective work clothing

· ***Limitation and supervision of exposure into the environment*** *None*

9 Physical and chemical properties

· ***Information on basic physical and chemical properties***
· ***General Information***

· ***Physical state***	*Solid*
· ***Color:***	*Colored*
· ***Odor:***	*Fragrant*
· ***Odor threshold:***	*Not determined*
· ***Melting point/Melting range:***	*319 °C (606.2 °F)*
· ***Boiling point/Boiling range:***	*1,390 °C (34.590 °F)*
· ***Flammability:***	*Product is not flammable.*
· ***Explosion limits:***	
· ***Lower:***	*Not determined*
· ***Upper:***	*Not determined*
· ***Flash point:***	*Not applicable*
· ***Decomposition temperature:***	*Not determined*
· ***pH-value:***	*Not applicable*
· ***Viscosity:***	
· ***Kinematic:***	*Not applicable*
· ***Dynamic:***	*Not applicable*
· ***Solubility in / Miscibility with***	
· ***Water at 20 °C (68 °F):***	*420 g/l*
· ***Partition coefficient (n-octanol/water):***	*Not determined*
· ***Vapor pressure at 800 °C (1,472 °F):***	*3.5 hPa (2.6 mm Hg)*

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· **Density at 20 °C (68 °F):**	2.12528–2.12536 g/cm³ (17.73546–17.73613 lbs/gal)
· **Relative density**	Not determined
· **Vapor density**	Not applicable
· **Particle characteristics**	Not determined
· **Other information**	
· **Appearance:**	
· **Form:**	Solid / Beads
· **Important information on protection of health and environment, and on safety.**	
· **Ignition temperature:**	Not determined
· **Danger of explosion:**	Product does not present an explosion hazard.
· **Solvent content:**	
· **Organic solvents:**	0 %
· **VOC content:**	0 % 0.1 g/l / 0.00 lb/gal
· **Change in condition**	
· **Oxidizing properties**	None

* 10 Stability and reactivity

· **Reactivity**
The product is stable under normal conditions.
No further relevant information available.
· **Chemical stability** Stable under normal conditions.
· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
· **Possibility of hazardous reactions** No dangerous reactions known.
· **Conditions to avoid** No further relevant information available.
· **Incompatible materials:**
Strong acids
Strong oxidizing agents.
· **Hazardous decomposition products:** No dangerous decomposition products known.

* 11 Toxicological information

· **Information on toxicological effects**
· **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**		
ATE (Acute Toxicity Estimate)		
Oral	LD50	2,009 mg/kg (Rat)

1310-73-2 SODIUM HYDROXIDE		
Oral	LD50	2,000 mg/kg (Rat)

· **Primary irritant effect:**
· **on the skin:** Strong caustic effect on skin and mucous membranes.
· **on the eye:**
Strong caustic effect.
Strong irritant with the danger of severe eye injury.
· **Sensitization:** No sensitizing effects known.
· **Additional toxicological information:**
Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.
· **Interactive effects** No interactive effects between components are known.

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· **Carcinogenic categories**
· **IARC (International Agency for Research on Cancer)**
Group 1 - Carcinogenic to humans
Group 2A - Probably carcinogenic to humans
Group 2B - Possibly carcinogenic to humans
Group 3 - Not classifiable as to its carcinogenicity to humans
Group 4 - Probably not carcinogenic to humans

91-64-5	Coumarin	3

· **NTP (National Toxicology Program)**
None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**
None of the ingredients is listed.

· **Alternative sources for toxicological information** No non-standard sources for toxicological information were used.

12 Ecological information

· **Toxicity**

· **Aquatic toxicity:**

1310-73-2 SODIUM HYDROXIDE	
EC50	40 mg/kg (daphnia)

· **Persistence and degradability** No further relevant information available.
· **Bioaccumulative potential** No further relevant information available.
· **Mobility in soil** No further relevant information available.
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable
· **vPvB:** Not applicable
· **Other adverse effects**
· **Additional ecological information:**
· **General notes:**
Water hazard class 1 (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Must not reach bodies of water or drainage ditch undiluted or unneutralized.
Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

13 Disposal considerations

· **Waste treatment methods**
· **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
Observe all federal, state and local environmental regulations when disposing of this material.
· **Waste disposal key:**
US EPA RCRA waste code D002 (corrosive hazardous wastes). The regulations at 40 CFR section 261.22.

· **Uncleaned packagings:**
· **Recommendation:** Disposal must be made according to official regulations.
· **Recommended cleansing agent:** Water, if necessary with cleansing agents.

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* 14 Transport information

· **UN-Number**
· **DOT, IMDG, IATA** UN1759
· **UN proper shipping name**
· **DOT** Corrosive solids, n.o.s. (Sodium hydroxide)
· **IMDG** CORROSIVE SOLID, N.O.S. (SODIUM HYDROXIDE)
· **IATA** Corrosive solid, n.o.s. (SODIUM HYDROXIDE)
· **Transport hazard class(es)**

· **DOT**

· **Class** 8 Corrosive substances
· **Label** 8

· **IMDG, IATA**

· **Class** 8 Corrosive substances
· **Label** 8
· **Packing group**
· **DOT, IMDG, IATA** II
· **Environmental hazards:** Not applicable
· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable

· **Transport/Additional information:**

· **DOT**
· **Quantity limitations** On passenger aircraft/rail: 15 kg
On cargo aircraft only: 50 kg
· **Remarks:** OTHER SHIPPING INFORMATION: All products offered for domestic ground transportation that meet the following exceptions for Class 8 (Corrosive Materials) will be packaged and shipped as "Limited Qty".
(1) For Corrosive Materials in Packing Group II, inner packaging not over 1.0 L (0.3 Gallon) net capacity each for liquids or not over 1.0 kg (2.2 lbs) net capacity each for solids, packed in a strong outer packaging with a gross package weight of 66 lbs or less.
(2) For Corrosive Materials in Packing Group III, inner packaging not over 5.0 L (1.3 Gallons) net capacity each for liquids or not over 5.0 kg (11 lbs) net capacity each for solids, packed in a strong outer packaging with a gross package weight of 66 lbs or less.

· **IMDG**
· **Limited quantities (LQ)** 1 kg
· **Excepted quantities (EQ)** Code: E2
Maximum net quantity per inner packaging: 30 g
Maximum net quantity per outer packaging: 500 g
· **Special precautions for user** Warning: Corrosive substances

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· **Hazard identification number (Kemler code):** 80
· **EMS Number:** F-A,S-B
· **Stowage Category** A
· **UN "Model Regulation":** UN 1759 CORROSIVE SOLID, N.O.S. (SODIUM HYDROXIDE), 8, II

* 15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **TSCA (Toxic Substances Control Act):**

All components have the value ACTIVE.

· **Hazardous Air Pollutants**

None of the ingredients is listed.

· **Proposition 65**

· **Chemicals known to cause cancer:**

123-35-3	Myrcene

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **New Jersey Right-to-Know List:**

1310-73-2	SODIUM HYDROXIDE
138-86-3	Limonene
76-22-2	Camphor
80-56-8	alpha-Pinene

· **New Jersey Special Hazardous Substance List:**

1310-73-2	SODIUM HYDROXIDE	CO, R1
80-56-8	alpha-Pinene	F3

· **Pennsylvania Right-to-Know List:**

1310-73-2	SODIUM HYDROXIDE
25265-71-8	Dipropylene glycol (isomer unspecified)
76-22-2	Camphor
80-56-8	alpha-Pinene

· **Pennsylvania Special Hazardous Substance List:**

1310-73-2	SODIUM HYDROXIDE	E

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value)**

76-22-2	Camphor	A4
80-56-8	alpha-Pinene	A4
127-91-3	beta-Pinene	A4

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

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· ***PFAS***

None of the ingredients is listed.

· ***Per- and polyfluoroalkyl substances (PFAS)***

None of the ingredients is listed.

· ***GHS label elements*** *The product is classified and labeled according to the Globally Harmonized System (GHS).*

· ***Hazard pictograms***

GHS05

· ***Signal word*** *Danger*

· ***Hazard-determining components of labeling:***
SODIUM HYDROXIDE

· ***Hazard statements***
Causes severe skin burns and eye damage.

· ***Precautionary statements***
Do not breathe dusts or mists.
Wash thoroughly after handling.
Wear eye protection / face protection.
Wear protective gloves/protective clothing/eye protection/face protection.
If swallowed: Rinse mouth. Do NOT induce vomiting.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or 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/doctor.
Specific treatment (see on this label).
Wash contaminated clothing before reuse.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.

· ***Chemical safety assessment:*** *A Chemical Safety Assessment has not been carried out.*

16 Other information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

· ***SDS created by:*** *Access GHS, LLC - 888-363-4870 - Team@access-ghs-sds.com*

· ***Date of previous version*** *07/14/2023*

· ***Version number of previous version:*** *2*

· ***Date of preparation*** *05/14/2026*

· ***Abbreviations and acronyms:***
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)

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LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety and Health
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Corrosive to metals 1: Corrosive to metals – Category 1
Acute toxicity - oral 4: Acute toxicity – Category 4
Skin corrosion 1A: Skin corrosion/irritation – Category 1A
Eye damage 1: Serious eye damage/eye irritation – Category 1

· **** Data compared to the previous version altered.***