

High Heat

Safety Data Sheet



SECTION 1: Product and company identification

Product name : High Heat
Use of the substance/mixture : Drain opener
Company : North Woods
4415 S Taylor Drive
Sheboygan, WI 53081 - USA
T (800) 242-7694
Emergency number : Infotrac (800) 535-5053

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

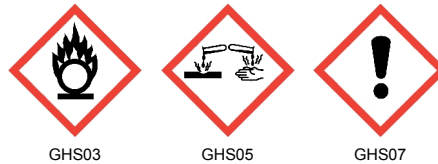
Ox. Sol. 3 H272
Skin Corr. 1A H314
STOT SE 3 H335

Full text of H statements : see section 16

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) :

Danger

Hazard statements (GHS-US) :

May intensify fire; oxidizer
Causes severe skin burns and eye damage
May cause respiratory irritation

Precautionary statements (GHS-US) :

Keep away from open flames. - No smoking
Keep/Store away from clothing, combustible materials
Take any precaution to avoid mixing with acids, reducing agents, water. Product will generate large amounts of heat when wetted
Do not breathe dust
Avoid breathing dust
Wash thoroughly after handling
Use only outdoors or in a well-ventilated area
Wear eye protection, protective clothing, protective gloves
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 doctor, a POISON CENTER
Call a doctor, a POISON CENTER if you feel unwell
Specific treatment (see ... on this label)
Wash contaminated clothing before reuse
In case of fire: Use foam, dry extinguishing powder, carbon dioxide (CO2) to extinguish
Store in a well-ventilated place. Keep container tightly closed
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. Substance

Not applicable

Full text of H-phrases: see section 16

High Heat

Safety Data Sheet

3.2. Mixture

Name	Product identifier	%	GHS-US classification
sodium hydroxide, caustic soda	(CAS No) 1310-73-2	40.0 - 70.0	Acute Tox. 4 (Dermal), H312 Skin Corr. 1A, H314
SODIUM NITRATE	(CAS No) 7631-99-4	15.0 - 40.0	Ox. Sol. 3, H272 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335

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 victim to fresh air and keep at rest in a position comfortable for breathing. Respiratory problems: consult a doctor/medical service.
First-aid measures after skin contact	: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical advice/attention.
First-aid measures after eye contact	: Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. Get medical advice/attention.
First-aid measures after ingestion	: Fatal if swallowed. Immediately call a poison center or doctor/physician. Rinse mouth. Do NOT induce vomiting.

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

Symptoms/injuries	: Causes severe skin burns and eye damage.
Symptoms/injuries after inhalation	: May cause respiratory irritation. Corrosive to the respiratory tract.
Symptoms/injuries after skin contact	: Caustic burns/corrosion of the skin.
Symptoms/injuries after eye contact	: Causes serious eye irritation. Corrosion of the eye tissue. Permanent eye damage.
Symptoms/injuries after ingestion	: Fatal 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	: Foam. Carbon dioxide. Dry chemical powder. Addition of water to this compound will generate heat and hydrogen gas.
------------------------------	--

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.

High Heat

Safety Data Sheet

6.3. Methods and material for containment and cleaning up

- For containment : Contain released substance, pump into suitable containers.
- Methods for cleaning up : Absorb spillage to prevent material damage. Solid spill: shovel. This material and its container must be disposed of in a safe way, and as per local legislation. Spill must not return in its original container.

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.
- Incompatible products : strong acids.
- 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, caustic soda (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

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 : Solid
- Appearance : Yellow granules.
- Odor : No odor
- Odor 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 (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
- Solubility : Soluble in water.

High Heat

Safety Data Sheet

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

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

sodium hydroxide, caustic soda (1310-73-2)

LD50 oral rat	4090 mg/kg
LD50 dermal rabbit	1350 mg/kg
ATE CLP (oral)	4090.000 mg/kg body weight
ATE CLP (dermal)	1350.000 mg/kg body weight

SODIUM NITRATE (7631-99-4)

LD50 oral rat	1267 mg/kg
ATE CLP (oral)	1267.000 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)	: May cause respiratory irritation.
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Symptoms/injuries after inhalation	: May cause respiratory irritation. Corrosive to the respiratory tract.
Symptoms/injuries after skin contact	: Caustic burns/corrosion of the skin.
Symptoms/injuries after eye contact	: Causes serious eye irritation. Corrosion of the eye tissue. Permanent eye damage.
Symptoms/injuries after ingestion	: Fatal if swallowed. Burns to the gastric/intestinal mucosa.

SECTION 12: Ecological information

12.1. Toxicity

SODIUM NITRATE (7631-99-4)

High Heat

Safety Data Sheet

SODIUM NITRATE (7631-99-4)

LC50 fish 1

6650 mg/l static test LC50 - Gambusia affinis (Mosquito fish)

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

Department of Transportation (DOT)

Transport document description : UN3262 Corrosive solid, basic, inorganic, n.o.s., 8, II
UN-No.(DOT) : UN3262
Proper Shipping Name (DOT) : Corrosive solid, 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) : 212
DOT Packaging Bulk (49 CFR 173.xxx) : 240
DOT Symbols : G - Identifies PSN requiring a technical name
DOT Special Provisions (49 CFR 172.102) : IB8,IP2,IP4,T3,TP33
DOT Packaging Exceptions (49 CFR 173.xxx) : 154
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 15 kg
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 50 kg
DOT Vessel Stowage Location : B
DOT Vessel Stowage Other : 52 - Stow "separated from" acids

Additional information

Other information : 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.

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

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

Aluminum Chips

CAS No 7429-90-5

3.0 - 7.0%

High Heat

Safety Data Sheet

sodium hydroxide, caustic soda (1310-73-2)

Not listed on SARA Section 313 (Specific toxic chemical listings)

CERCLA RQ

1000 lb

Aluminum Chips (7429-90-5)

Listed on SARA Section 313 (Specific toxic chemical listings)

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer 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.

Full text of H-phrases:

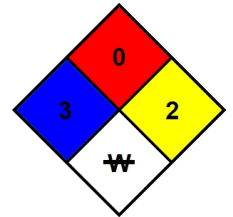
H272	May intensify fire; oxidizer
H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation

NFPA health hazard : 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.

NFPA fire hazard : 0 - Materials that will not burn.

NFPA reactivity : 2 - Normally unstable and readily undergo violent decomposition but do not detonate. Also: may react violently with water or may form potentially explosive mixtures with water.

NFPA specific hazard : W - Unusual reactivity with water. This indicates a potential hazard using water to fight a fire involving this material. When a compound is both water-reactive and an oxidizer, the W/bar symbol should go in this quadrant and the OX warning is placed immediately below the NFPA diamond.



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.