

SAFETY DATA SHEET

Date Issued : 11/22/2021
 SDS No : 2W.17 Purple Heat
 Date Revised : 11/23/2021
 Revision No : 2

Purple Heat

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Purple Heat
GENERAL USE: Industrial Drain Opener
PRODUCT CODE: 2W.17

DISTRIBUTOR

MISCO INDUSTRIAL
 109 Space Park N
 Goodlettsville,, TN 37072
Customer Service: 615-334-1861

24 HR. EMERGENCY TELEPHONE NUMBERS

In the event of a Chemical Emergency call Chemtel, 24hr.
 Response Number **1-800-255-3924. Misco's Contract #**
MIS8841263

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Acute Toxicity (Oral), Category 3
 Acute Toxicity (Dermal), Category 3
 Acute Toxicity (Inhalation), Category 4
 Skin Corrosion, Category 1A
 Serious Eye Damage, Category 1
 Oxidizing Solids, Category 3

GHS LABEL



Corrosion



Flame over
circle



Exclamation
mark



Keep out of
reach of
children.

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H290: May be corrosive to metals.
 H301 + H311 + H331: Toxic if swallowed, in contact with skin or if inhaled.
 H314: Causes severe skin burns and eye damage.
 H401: Toxic to aquatic life.
 H270: May cause or intensify fire; oxidizer.
 H318: Causes serious eye damage.
 H335: May cause respiratory irritation.

PRECAUTIONARY STATEMENTS

Prevention:

P202: Do not handle until all safety precautions have been read and understood.
 P221: Take any precaution to avoid mixing with combustibles...
 P232: Protect from moisture.
 P234: Keep only in original packaging.
 P260: Do not breathe dust/fume/gas/mist/vapours/spray.
 P270: Do not eat, drink or smoke when using this product.
 P281: Use personal protective equipment as required.
 P271: Use only outdoors or in a well-ventilated area.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P335+P334: Brush off loose particles from skin. Immerse in cool water/wrap in wet bandages.

P391: Collect spillage.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P302+P350: IF ON SKIN: Gently wash with plenty of soap and water.

P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor/...

P362: Take off contaminated clothing.

P310: Immediately call a POISON CENTER/doctor/...

Storage:

P402+P404: Store in a dry place. Store in a closed container.

POTENTIAL HEALTH EFFECTS

EYES: May cause permanent eye damage.

SKIN: Corrosive, causes skin burning.

INGESTION: Aspiration Hazard: Harmful or fatal if swallowed. Causes severe digestive tract burns.

INHALATION: Anesthetic, may cause serious respiratory irritation. At high levels of exposure, cardiac arrhythmia may occur.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Sodium Hydroxide	70 - 80	1310-73-2
Aluminum	5 - 10	7429-90-5
Carbonic Acid Monosodium Salt	5 - 8	144-55-8
Sodium Nitrate	7 - 10	7631-99-4

4. FIRST AID MEASURES

EYES: Immediately flush eyes with large amounts of water for at least 15 minutes, if contact lenses are present remove after 5 minutes and continue flushing, lifting eyelids occasionally to facilitate irrigation. Do not wear contact lenses. Get immediate medical attention.

SKIN: Immediately wash contaminated skin with plenty of water. If wearing goggles flush head and face thoroughly keeping eyes and mouth closed before removing goggles. Remove contaminated clothing under the shower. This washing may be followed with a rinse with vinegar or dilute acetic acid (3% solution) if available. If skin feels slippery, caustic may be present in sufficient quantities to cause rash or burn, continue washing until slippery feeling is gone. Wash contaminated clothing and footwear before reuse. Discard any that cannot be decontaminated. Get medical attention.

INGESTION: Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

INHALATION: Move to fresh air. Call a physician or poison control center immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

COMMENTS: In case of persistent adverse effects consult a physician.

5. FIRE FIGHTING MEASURES

GENERAL HAZARD: Contains oxidizer. Contact with combustible materials will not cause spontaneous ignition, however, sodium nitrate will enhance an existing fire. Thermal decomposition can lead to the escape of toxic/corrosive gases and vapors. Thermal decomposition products: Nitrous Oxides (NO_x), Sodium Nitrite and Sodium Oxide.

FIRE FIGHTING PROCEDURES: Use any standard agent-choose the one most appropriate for type of surrounding fire.

6. ACCIDENTAL RELEASE MEASURES

COMMENTS: Avoid contact with eyes. Dike and contain. Keep away from drains and ground water. Watch out for slippery conditions when spilled.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: KEEP OUT OF REACH OF CHILDREN

HANDLING: Wear protective clothing. Wash thoroughly after handling. Wash clothing before reuse and decontaminate or discard contaminated shoes.

STORAGE: Store away from strong acids. Store in dry, well ventilated area.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)			
EXPOSURE LIMITS			
Chemical Name	Type	ppm	mg/m ³
Sodium Hydroxide	OSHA PEL	TWA	2
	Supplier OEL	TWA	NL
		STEL	NL
Aluminum	OSHA PEL	TWA	15T 5R
	ACGIH TLV	TWA	1

ENGINEERING CONTROLS: All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94)

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Safety glasses.

SKIN: Gloves (solvent resistant)

WORK HYGIENIC PRACTICES: Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

COLOR: White/Red/Purple/Blue

PHYSICAL STATE COMMENTS: Solid/Powder

pH: 13.5 to 14.5

Notes: 1% Solution 13

PERCENT VOLATILE: No information Available

FLASH POINT AND METHOD: No information Available

EXPLOSION LIMITS: No information Available

AUTOIGNITION TEMPERATURE: No information Available

VAPOR PRESSURE: Negligible

VAPOR DENSITY: No information Available

BOILING POINT: (253°F)

FREEZING POINT: No information Available

MELTING POINT: No information Available

POUR POINT: No information Available

SOLUBILITY IN WATER: Appreciable

EVAPORATION RATE: No information Available

DENSITY: No information Available

SPECIFIC GRAVITY: No information Available

VISCOSITY: No information Available

MOLECULAR WEIGHT: No information Available

(VOC): No information Available

OXIDIZING PROPERTIES: No information Available

10. STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: Thermal Decomposition: Nitrous Oxides, Sodium Nitrite and Sodium Oxide.

STABILITY: Stable Under Normal conditions.

CONDITIONS TO AVOID: Keep Containers Closed

HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen gas may be released when exposed to high temperatures. Carbon monoxide and unidentified organic compounds may be released during combustion.

INCOMPATIBLE MATERIALS: Strong acids, Leather, wool, aluminum, zinc, tin and alloys. Nitrocarbons and halocarbons. Acetaldehyde, acrolein, chlorine trifluoride, maleic anhydride, phosphorus pentoxide, tetrahydrofuran, and hydroquinone.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

DERMAL LD₅₀: 600 mg/kg. (Rabbit)

Notes: Severe Irritation.

ORAL LD₅₀: 600 mg/kg (rabbit)

NOTES: Intraperitoneal: House LD₅₀ 50 mg/hg

COMMENTS: THIS PRODUCT HAS NOT BEEN TESTED FOR TOXICITY

12. ECOLOGICAL INFORMATION

AQUATIC TOXICITY (ACUTE): Toxic to aquatic organisms.

COMMENTS: Reacts violently with water, do not add to acids of any type.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of in accordance with federal, state, and local regulations.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Corrosive Solids, N.O.S. (Contains Sodium Hydroxide)

PRIMARY HAZARD CLASS/DIVISION: 8

UN/NA NUMBER: 1759

PACKING GROUP: II

NAERG: 154

BULK FREIGHT CLASS: 85

15. REGULATORY INFORMATION

UNITED STATES

DOT LABEL SYMBOL AND HAZARD CLASSIFICATION



Corrosive

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HEALTH HAZARDS: Acute Health Hazard

311/312 PHYSICAL HAZARDS: Oxidizing Solids

EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical Name	Wt.%	CAS
Aluminum	5 - 10	7429-90-5

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

Chemical Name	Wt.%	CERCLA RQ
Sodium Hydroxide	70 - 80	1,000

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Sodium Hydroxide	1310-73-2
Aluminum	7429-90-5
Carbonic Acid Monosodium Salt	144-55-8
Sodium Nitrate	7631-99-4

16. OTHER INFORMATION

Date Revised: 11/23/2021

REVISION SUMMARY: This SDS replaces the 11/23/2021 SDS. Revised: **Section 2: GHS CLASSIFICATIONS, GHS LABEL, PRECAUTIONARY STATEMENTS.**

HMIS RATING

HEALTH	<input type="checkbox"/>	3
FLAMMABILITY	<input type="checkbox"/>	0
PHYSICAL HAZARD	<input type="checkbox"/>	2
PERSONAL PROTECTION	<input type="checkbox"/>	b

MANUFACTURER DISCLAIMER: The information presented herein is believed to be accurate but is not warranted. Recipients are advised to confirm in advance that the information is current, applicable and suitable to their circumstances.