KIMBALL MIDWEST
Specializing in Materials Management

SAFETY DATA SHEET

Section 1. Identification of the Product and Company

Product Name:	Free-Flo Professional Strength Drain Opener
Product Use:	Drain opener.
Product Code:	80-4200QT
Manufactured for:	Kimball Midwest 4800 Roberts Rd. Columbus, Ohio 43228
Phone:	800-233-1294
Company Emergency Phone:	800-233-1294
Chemical Emergency Phone:	800-424-9300 (Chemtrec)
SDS Date of Preparation:	September 16, 2024

Section 2. Hazards Identification

GHS Classification (OSHA Hazcom 2024):

Physical:	**Health:**
Corrosive to Metals Category 1	Eye Damage Category 1 Skin Corrosion Category 1A

GHS Label Elements:

Danger!

Statements of Hazard

May be corrosive to metals.
Causes severe skin burns and eye damage.

Prevention

Do not breathe mist or spray.
Wash thoroughly after handling.
Wear protective gloves, protective clothing, eye protection and face protection.
Keep only in original packaging.

Storage

Store locked up. Store in a corrosion resistant container with a resistant inner liner.

Disposal

Dispose of contents in accordance with local, state, and federal regulations

Response

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with soap and water. Immediately call a POISON CENTER or doctor. Wash contaminated clothing before reuse.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor.
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 or doctor.
Absorb spillage to prevent material damage.

Section 3. Composition/Information on Ingredients

Component	CAS Number	% by Weight
Sodium Hydroxide	1310-73-2	40-45
Potassium Hydroxide	1310-58-3	10-15

The specific identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

Section 4. First Aid Measures

Eyes: Immediately flush eyes with plenty of water for at least 20 minutes while holding the eyelids apart. Remove contact lenses if safe and easy to do. Get immediate medical attention.
Skin: Flush skin with plenty of water for 15 minutes while removing contaminated clothing. Wash skin thoroughly with soap and water. Get immediate medical attention. Launder clothing before re-use.
Inhalation: Remove victim to fresh air. If breathing is difficult, have qualified person administer oxygen. If not breathing, give artificial respiration. Get immediate medical attention.
Ingestion: Do NOT induce vomiting. Rinse mouth with a small amount of water. Never give anything by mouth to an unconscious or drowsy person. Get immediate medical attention.

Most important Symptoms: Causes severe eye irritation or burns. Permanent eye damage may occur. Causes skin irritation or burns. May cause respiratory irritation or burns. Swallowing may cause burns to the mouth, throat, or stomach.

Indication of immediate medical attention/special treatment: Get immediate medical attention for product contact and ingestion.

Section 5. Fire Fighting Measures

Suitable (and Unsuitable) Extinguishing Media: Use any media that is suitable for the surrounding fire.
Specific hazards arising from the chemical: Not classified as flammable or combustible. Containers may rupture in a fire due to pressure build-up. Decomposition may produce carbon oxides.
Special Protective Equipment and Precautions for Fire-Fighters: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing. Cool fire exposed containers with water spray.

Section 6. Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures: Isolate the area and remove unprotected people. Wear suitable protective clothing to prevent skin and eye contact. Ventilate the area.

Methods and Materials for Containment and Cleaning Up: Neutralize spill with weak acid solution, or basic spill kit. Promptly clean up spills with inert absorbent and place in a suitable, properly labeled container for disposal. Clean spill area thoroughly. Keep out of sewers and waterways. Notify authorities of releases as required.

Section 7. Handling and Storage

Precautions for Safe Handling: Prevent contact with eyes and skin. Do not breathe vapors, spray, or mists. Use only with adequate ventilation. Wear suitable protective clothing and equipment (See Section 8). When diluting, never pour water into this product. Always add this slowly to water while stirring. Do not eat, drink, or smoke while using this product. Wash hands thoroughly after use. Take off and launder contaminated clothing before reuse. Keep container closed when not in use. May be corrosive to metals. Keep in original or corrosion resistant containers. Empty containers retain product residues and may be hazardous.

Conditions for Safe Storage, Including Any Incompatibilities: May be corrosive to metals. Store in corrosive resistant container with a corrosive resistant inner liner. Store locked up in a cool, dry, well-ventilated area. Store away from acids and oxidizers.

Section 8. Exposure Controls / Personal Protection

Exposure Limits:

Chemical Name	Exposure Limits
Sodium Hydroxide	2 mg/m^3 TWA OSHA PEL 2 mg/m^3 Ceiling ACGIH TLV
Potassium Hydroxide	2 mg/m^3 Ceiling OSHA PEL 2 mg/m^3 Ceiling ACGIH TLV

Engineering Controls: Provide general or local exhaust ventilation to minimize exposure levels and maintain exposure levels below the occupational exposure limits. Emergency eye wash or safety shower should be available.

Respiratory Protection: For operations where the exposures are excessive or exposure limits are exceeded, an approved organic vapor respirator/dust/mist or supplied air respirator is recommended. Equipment selection depends on contaminant type and concentration, select in accordance with applicable regulations and good industrial hygiene practice.

Eye Protection: Wear chemical safety goggles and faceshield if contact is possible.

Skin Protection: Wear chemical resistant gloves to prevent skin contact. Contact your glove supplier for assistance in selecting an appropriate glove. Wear suitable chemical resistant clothing to prevent skin contact.

Section 9. Physical and Chemical Properties

Appearance- Color and Odor: Clear red liquid with a characteristic odor.

Physical State: Liquid	**Odor Threshold:** Not available
Relative Vapor Density: Not available	**Initial Boiling Point/Range:** 212°F (100°C)
Solubility In Water: Soluble	**Vapor Pressure:** Not available
Relative Density: 1.513	**Evaporation Rate:** Same as water.
Melting/Freezing Point: Not available	**pH:** 14
VOC Content: Not determined.	**Octanol/Water Coefficient:** Not available
Kinematic Viscosity: Not available	**Decomposition Temperature:** Not available
Flashpoint: Not applicable	**Flammability:** Not applicable
Flammable Limits: LEL: Not applicable **UEL:** Not applicable	**Autoignition Temperature:** Not applicable

Particle Characteristics: Not applicable	

Section 10. Stability and Reactivity

Reactivity: Not normally reactive. May be corrosive to metals.
Chemical Stability: Stable under normal storage and handling conditions.
Possibility of Hazardous Reactions: May react with acids and oxidizers generating heat.
Conditions to Avoid: Avoid contact with incompatible materials.
Incompatible Materials: Avoid strong oxidizing agents and acids. Metals.
Hazardous Decomposition Products: Thermal decomposition yields carbon oxides.

Section 11. Toxicological Information

Inhalation: Inhalation of vapor or mist may cause severe irritation of the nose, throat, and respiratory tract. May cause burns or lung damage.
Eye Contact: Causes severe irritation or burns with redness, tearing and pain. Permanent damage may occur.
Skin Contact: Causes severe irritation with redness, pain and burning of the skin.
Ingestion: Ingestion may cause burns to the mouth, throat, and stomach; nausea, vomiting, diarrhea, and shock.
Chronic Effects: Repeated skin contact with dilute solutions may cause dermatitis.
Sensitization: Not classified. None of the components are sensitizers.
Carcinogenicity: Not classified. None of the components are listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH or OSHA.
Reproductive Toxicity: Not classified. This product is not expected to cause reproductive or developmental effects.
Mutagenic Effects: Not classified. None of the components are germ cell mutagens.

Toxicological Data: Not classified for acute toxicity. Damaging effects are caused by corrosive action of product components.
Sodium Hydroxide: Oral rat LD50: 4,090 mg/kg, Corrosive to skin. Dermal toxicity not available.
Potassium Hydroxide: Oral rat LD50: 273 mg/kg, Corrosive to skin. Dermal toxicity not available.

Section 12. Ecological Information

Ecotoxicity: No data currently available for product. Not expected to be harmful to aquatic life or to cause long lasting harmful effects to the aquatic environment.
Persistence and Degradability: No data currently available.
Bioaccumulative Potential: No data currently available
Mobility in Soil: No data currently available.
Other Adverse Effects: Before neutralization, extreme pH may have temporary harmful effects.

Section 13. Disposal Information

Dispose in accordance with local, state, and federal regulations.

Section 14. Transport Information

	UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard

DOT	UN3266	Corrosive liquid, basic, inorganic, n.o.s. (Sodium Hydroxide, Potassium Hydroxide)	8	PGII	No
TDG	UN3266	Corrosive liquid, basic, inorganic, n.o.s. (Sodium Hydroxide, Potassium Hydroxide)	8	PGII	No
IMDG	UN3266	Corrosive liquid, basic, inorganic, n.o.s. (Sodium Hydroxide, Potassium Hydroxide)	8	PGII	No
IATA	UN3266	Corrosive liquid, basic, inorganic, n.o.s. (Sodium Hydroxide, Potassium Hydroxide)	8	PGII	No

Transport in bulk according to IMO instruments: Not applicable.

Note: See current shipping paper for most up to date shipping information, including exemptions and special provisions.

Section 15. Regulatory Information

EPA SARA 311/312 Hazards: Classified as per GHS classification in Section 2 of this SDS.

EPA SARA 313: This product contains the following chemicals regulated under SARA Title III, section 313: None.

CERCLA Hazardous Substances (Section 103)/RQ: This product has an RQ of 2,222 lbs. based on the RQ of Sodium Hydroxide of 1,000 lbs. Many states have more stringent release reporting requirements. Report spills required under federal, state, and local regulations.

Hazardous Air Pollutants (HAPS): This product contains the following chemicals listed as an EPA hazardous air pollutant: None

EPA TSCA: All of the components of this product are listed on the TSCA inventory.

California Proposition 65: This product does not contain substances known to the state of California to cause cancer and/or reproductive toxicity.

Section 16. Other Information

Date of SDS Revision: September 12, 2024
Revision History: New SDS
Date of Previous Revision: N/A

NFPA Ratings:	Health: 3	Fire: 0	Instability: 0
HMIS Rating:	Health: 3	Fire: 0	Physical Hazard: 0

NOTICE

This above information is believed to be correct but does not propose to be all inclusive and shall be used only as a guide. Kimball Midwest shall not be held liable for any damage resulting from handling or from contact with the above product. This information relates only to the product designated herein and does not relate to its use in combination with any other material or process.