KC-568

Safety Data Sheet

Revision date: 6/6/2025 Version: 4.0

SECTION 1: Identification

1.1. Identification

Product name : KC-568
Product code : 20021

1.2. Recommended use

Use of the substance/mixture : High foaming, caustic cleaner

1.3. Supplier

Safe Foods Chemical Innovations
1501 East 8th Street
North Little Rock, AR, 72114
T 501-758-8500 - F 501-663-8952

1.4. Emergency telephone number

Emergency number : Chemtrec 1-800-424-9300

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Corrosive to metals, Category 1	May be corrosive to metals.
Acute toxicity (dermal), Category 4	Harmful in contact with skin.
Skin corrosion/irritation, Category 1	Causes severe skin burns and eye damage.
Serious eye damage/eye irritation, Category 1	Causes serious eye damage.
Specific target organ toxicity — Repeated exposure, Category 2	May cause damage to organs through prolonged or repeated exposure.
Hazardous to the aquatic environment — Acute Hazard, Category 3	Harmful to aquatic life.

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US) :

Signal word (GHS US) : Danger

Hazard statements (GHS US) : May be corrosive to metals
Harmful in contact with skin
Causes severe skin burns and eye damage
May cause damage to organs through prolonged or repeated exposure
Harmful to aquatic life

Precautionary statements (GHS US) : Keep only in original packaging.
Do not breathe dusts or mists.
Wash hands, forearms and face thoroughly after handling.
Avoid release to the environment.
Wear protective gloves, protective clothing, eye protection, face protection, and hearing protection.
If swallowed: rinse mouth. Do NOT induce vomiting.
If on skin (or hair): Take off immediately all contaminated clothing and wash it before reuse. Rinse skin with plenty of 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 or doctor.
Absorb spillage to prevent material-damage.
Store locked up.
Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

33.96% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)
61.73% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)
87.73% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

SECTION 3: Composition/Information on ingredients

Name	Product identifier	%
Sodium hydroxide	CAS-No.: 1310-73-2	25 – 50
Potassium hydroxide	CAS-No.: 1310-58-3	4 – 8
D-Gluconic acid	CAS-No.: 526-95-4	1 – 5
D-Glucose, decyl octyl ethers, oligomeric	CAS-No.: 68515-73-1	1 – 5

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general : Call a physician immediately.
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Call a physician immediately.
First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-aid measures after ingestion : Rinse mouth. Do not induce vomiting. Call a physician immediately.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation : None under normal conditions.
Symptoms/effects after skin contact : Harmful in contact with skin. Burns.
Symptoms/effects after eye contact : Serious damage to eyes.
Symptoms/effects after ingestion : Burns.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard	:	No fire hazard.
Explosion hazard	:	No direct explosion hazard.
Hazardous decomposition products in case of fire	:	Carbon dioxide. Carbon monoxide.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions	:	Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.
Protection during firefighting	:	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	:	Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material-damage.

6.1.1. For non-emergency personnel

Protective equipment	:	Wear recommended personal protective equipment.
Emergency procedures	:	Ventilate spillage area. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin, eyes and clothing.

6.1.2. For emergency responders

Protective equipment	:	Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	:	Evacuate unnecessary personnel. Stop leak if safe to do so.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment	:	Collect spillage. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak, if possible without risk.
Methods for cleaning up	:	Take up liquid spill into absorbent material.
Other information	:	Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed	:	Not expected to present a significant hazard under anticipated conditions of normal use.
Precautions for safe handling	:	Ensure good ventilation of the work station. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing. Wear personal protective equipment.
Hygiene measures	:	Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures	:	Keep in a cool, well-ventilated place away from heat.
Storage conditions	:	Store in corrosive resistant container with a resistant inner liner. Keep only in original container. Store locked up.

Incompatible materials : Acids. Amphoteric metals (aluminum, copper, zinc).
Packaging materials : Store always product in container of same material as original container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Name	USA - ACGIH - Occupational Exposure Limits	USA - OSHA - Occupational Exposure Limits	USA - NIOSH - Occupational Exposure Limits
Sodium hydroxide (1310-73-2)	TLV® C: 2 mg/m³	PEL TWA: 2 mg/m³	-
Potassium hydroxide (1310-58-3)	TLV® C: 2 mg/m³	-	-

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:
Wear recommended personal protective equipment.

Hand protection:	Protective gloves
Eye protection:	Safety glasses
Skin and body protection:	Wear suitable protective clothing
Respiratory protection:	In case of insufficient ventilation, wear suitable respiratory equipment

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Appearance : Aqueous solution.
Color : clear brown
Odor : mild
Odor threshold : No data available
pH : 13
Melting point : Not applicable
Freezing point : -14 °C
Boiling point : No data available
Flash point : No data available
Relative evaporation rate (butyl acetate=1) : No data available
Flammability (solid, gas) : Not applicable.
Vapor pressure : No data available
Relative vapor density at 20°C : No data available
Relative density : 1.41 g/cc
Density : 11.7 lb/gal[KJ1][KJ2][3][KJ4]
Solubility : completely soluble.
Partition coefficient n-octanol/water (Log Pow) : No data available
Auto-ignition temperature : No data available
Decomposition temperature : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
Explosion limits : No data available

Explosive properties : No data available
Oxidizing properties : No data available

9.2. Other information

VOC content : 0 %

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

Acids. Amphoteric metals (aluminum, copper, zinc).

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Harmful in contact with skin.
Acute toxicity (inhalation) : Not classified

Name	LD50 Oral	LD50 Dermal	LC50 Inhalation	ATE (US)
KC-568	-	-	-	Dermal: 1781.721 mg/kg body weight
D-Gluconic acid (526-95-4)	-	> 2000 mg/kg body, rat	-	Dust, mist: 1.5 mg/l/4h
D-Glucose, decyl octyl ethers, oligomeric (68515-73-1)	> 2000 mg/kg body weight, rat	> 2000 mg/kg body weight, rabbit	-	-
Sodium hydroxide (1310-73-2)	-	1350 mg/kg, rabbit	-	Dermal: 1350 mg/kg body weight
Potassium hydroxide (1310-58-3)	388 mg/kg, rat	-	-	Oral: 388 mg/kg body weight

Skin corrosion/irritation : Causes severe skin burns.
pH: 13
Serious eye damage/irritation : Causes serious eye damage.
pH: 13
Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified

STOT-single exposure : Not classified
STOT-repeated exposure : May cause damage to organs through prolonged or repeated exposure.

Name	LOAEL	LOAEC	NOAEL	NOAEC
D-Glucose, decyl octyl ethers, oligomeric (68515-73-1)	-	-	Oral : 100 mg/kg body weight, rat, 90 days	-

Aspiration hazard : Not classified
Viscosity, kinematic : No data available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

Name	Fish	Crustacea	Other Aquatic Organisms
D-Gluconic acid (526-95-4)	LC50 [1]: 223000 mg/l	EC50 [1]: > 1000 mg/l	EC50 96h Algae [1]: > 1000 mg/l
D-Glucose, decyl octyl ethers, oligomeric (68515-73-1)	LC50 [1]: 100.81 mg/l LC50 [2]: 170 mg/l	EC50 [1]: > 100 mg/l	EC50 72h Algae [1]: 27.22 mg/l EC50 72h Algae [2]: 37 mg/l
Sodium hydroxide (1310-73-2)	LC50 [1]: 189 mg/l	EC50 [1]: 40 mg/l	-
Potassium hydroxide (1310-58-3)	LC50 [1]: 660 mg/l	EC50 [1]: 660 mg/l	-

12.2. Persistence and degradability

Name	Persistence and degradability
KC-568	Not rapidly degradable
D-Gluconic acid (526-95-4)	Not rapidly degradable
D-Glucose, decyl octyl ethers, oligomeric (68515-73-1)	Not rapidly degradable
Sodium hydroxide (1310-73-2)	Biodegradability: not applicable.
Potassium hydroxide (1310-58-3)	Not rapidly degradable

12.3. Bioaccumulative potential

Name	Bioaccumulative Potential
Sodium hydroxide (1310-73-2)	Not bioaccumulative.

12.4. Mobility in soil

Name	Soil Ecology
Sodium hydroxide (1310-73-2)	No (test)data on mobility of the substance available.

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Regional waste regulation : Disposal must be done according to official regulations.
Waste treatment methods : Dispose of contents/container in accordance with licensed collector’s sorting instructions.

Sewage disposal recommendations : Disposal must be done according to official regulations.
Product/Packaging disposal recommendations : Disposal must be done according to official regulations.
Additional information : Do not re-use empty containers.

SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

DOT	TDG	IMDG	IATA
14.1. UN number			
1760	UN1760	1760	1760
14.2. Proper Shipping Name			
Corrosive liquid, n.o.s. (CONTAINS : Sodium Hydroxide ; Potassium Hydroxide)	CORROSIVE LIQUID, N.O.S. (CONTAINS : Sodium Hydroxide ; Potassium Hydroxide)	CORROSIVE LIQUID, N.O.S. (CONTAINS : Sodium Hydroxide ; Potassium Hydroxide)	Corrosive liquid, n.o.s. (CONTAINS : Sodium Hydroxide ; Potassium Hydroxide)
14.3. Transport hazard class(es)			
8	8	8	8
			
14.4. Packing group			
II	II	II	II
14.5. Environmental hazards			
Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No
No supplementary information available			

SECTION 15: Regulatory information

15.1. US Federal regulations

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

Name	CAS-No.	Listing	Commercial status	Flags
D-Gluconic acid	526-95-4	Not present	-	
D-Glucose, decyl octyl ethers, oligomeric	68515-73-1	Not present	-	
Sodium hydroxide	1310-73-2	Present	Active	
Potassium hydroxide	1310-58-3	Not present	-	

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 RQ	1000 lb

15.2. International regulations

Name	Inventory
Sodium hydroxide (1310-73-2)	Listed on the Canadian DSL (Domestic Substances List) Listed on INSQ (Mexican National Inventory of Chemical Substances)

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

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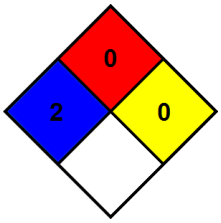
NFPA health hazard : 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.
NFPA fire hazard : 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.
NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.



Hazard Rating
Health : 2 Moderate Hazard - Temporary or minor injury may occur
Flammability : 0 Minimal Hazard - Materials that will not burn
Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.
Personal protection : D - Face shield and eye protection, Gloves, Synthetic apron

Safety Data Sheet (SDS), USA - SFCI

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.