

Safety Data Sheet

Restore

Section 1: Chemical product and company identification

Product identifier

Product form : Mixture

Product name : Restore

CAS No : Not available

Product code : XXXXX

Intended use of the product

Use of the substance/mixture : Cleaner

Name, address and telephone of the responsible party

Manufacturer address : Quality Chemical
13901 Aspinwall Road
Cleveland, OH 44110
1-216-292-9310

Emergency telephone number : 1-800-728-3798

Section 2: Hazards Identification

Classification of the substance or mixture

Classification (GHS-US)

Skin corrosion/irritation (Category 1A)

H314

Label elements

GHS-US symbols and labeling



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Signal word: Danger

Hazard statements:

H314 - Causes severe skin burns and eye damage

Precautionary statements:

P260 - Do not breathe dust/fume/gas/mist/vapors/spray.

P264 - Wash hands thoroughly after handling.

P301+P330+ P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off Immediately all contaminated clothing. Rinse SKIN with water/shower.

P304+P340 - IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.

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

P501 - Dispose of contents/container to in accordance with local, regional, national, international regulation

WHMIS classification (CANADA)

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR).

WHMIS classification

E - Corrosive material



Other hazards

Not available

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Section 3: Composition/Information on ingredients

Mixture

Name	CAS #	%	Classification (GHS-US)
Trade Secret 1 (Potassium hydroxide solution 45- 52%)	1310-58-3	5.81	Skin corrosion/irritation (Category 1A)
Sodium metasilicate pentahydrate	10213-79-3	1.22	
Trade Secret 2	-	1.12	
Trade Secret 3	-	.75	
Trade Secret 4	-	91.10	

Section 4: First aid measures

Description of first aid measures

General

Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Inhalation

Remove victim to fresh air. If irritation occurs or if breathing becomes difficult, call a physician Immediately.

Skin contact

Immediately flush with plenty of cool running water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Call a physician if you feel unwell.

Eye contact

Immediately flush with plenty of cool running water. Remove contact lenses, continue flushing for at least 15 minutes holding eyelids apart to insure rinsing of entire eye. Call a physician Immediately.

Ingestion

Rinse mouth at once then drink 1 to 2 glasses of water or milk. Do not induce vomiting. Call a physician

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Immediately.

Most important symptoms and effects, both acute and delayed

Symptoms/Injuries

Effects of exposure (inhalation, ingestion or skin contact) to substance may be delayed.

Symptoms/Injuries after inhalation

May be harmful if inhaled.

Symptoms/Injuries after skin contact

Can cause skin irritation.

Symptoms/Injuries after eye contact

Can cause eye irritation.

Symptoms/Injuries after ingestion

May cause stomach distress, nausea, vomiting.

Chronic symptoms

Chronic symptoms of the substance or mixture unknown.

Indication of any immediate medical attention and special treatment needed

If medical advice is needed, have product container or label at hand

Section 5: Fire-fighting measures

Extinguishing media

Suitable extinguishing media

Substance is noncombustible; use agent most appropriate to extinguish surrounding fire.

Unsuitable extinguishing media

Do not use water jet as an extinguisher.

Special hazards rising from the substance or mixture

Combustion products may include and are not limited to Carbon oxides and Nitrogen oxides (NOx).

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Fire-fighting Instructions

Exercise caution when fighting any chemical fire. Alert Emergency responders and tell them location and nature of hazard. Evacuate area of unprotected personnel. Wear protective clothing.

Protection during fire-fighting

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

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Eliminate any sources of ignition and prevent additional discharge of materials. Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental precautions

Prevent the liquid from entering sewers, watercourses or low areas.

Methods and materials for containment and cleaning up

Rinse small amounts to drain where possible. Dike or dam large spills; pump to contain or soak up on inert absorbent. Flush residue to sewer with plenty of water, rinse area thoroughly.

Reference to other sections

Use proper personal protective equipment as indicated in Section 8.

Section 7: Handling and Storage

Precautions for safe handling

Keep container tightly closed. Avoid breathing dust/gas/fume/mist/spray. Use only adequate ventilation. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Discard contaminated shoes

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Conditions for safe storage, including any incompatibilities

Storage conditions

Store in a cool, well-ventilated place away from incompatible materials. Keep this material away from food, drink and animal feed. Keep away from strong acids. Corrosives area. Keep container closed when not in use.

Specific end use(s)

Cleaner

Section 8: Exposure controls/personal protection

Control parameters

Exposure limits

Chemical Name	ACGIH	NIOSH	OSHA – Final PELs
Potassium hydroxide solution	2 mg/m ³	2 mg/m ³	Not listed
Sodium metasilicate pentahydrate	Not Listed	Not Listed	Not Listed

Exposure controls

- Appropriate engineering controls** : Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower. Use adequate general or local explosion-proof ventilation to keep airborne levels to acceptable levels.
- Personal protective equipment** : Splash goggles and Face shield (29 CFR 1910.133); chemical resistant rubber gloves (29 CFR 1910.138); OSHA / NIOSH respirator (29 CFR 1910.134).
- Hand protection** : Wear appropriate chemical resistant rubber gloves (29 CFR 1910.138) to prevent skin exposure.
- Eye/face Protection** : Wear appropriate protective splash proof eye glasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133.
- Respiratory protection** : Respiratory protection is not required under normal conditions. Only in special cases, full-facepiece APR or a Self-Contained Breathing Apparatus (SCBA) can be used according to regulations found in 29 CFR 1910.134 or Canadian CSA standard Z94.4. Where concentrations in

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air may exceed the limits given in this section and engineering.

Other information

: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid contact with eyes, skin and clothing. Wash contaminated clothes before reuse.

Section 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical State	:	Liquid
Appearance	:	Clear blue liquid
Odor	:	Odorless
Odor Threshold	:	Not available
pH	:	10.5 – 11.5
Relative Evaporation Rate (butylacetate=1)	:	Not available
Melting Point/ Freezing Point	:	Not available
Boiling Point	:	>100°C
Flash Point	:	Not available
Auto-ignition Temperature	:	Not available
Decomposition Temperature	:	Not available
Flammability (solid, gas)	:	Not available
Vapor Pressure	:	Not available
Relative Vapor Density at 20 °C	:	Not available
Relative Density	:	Not available
Specific Gravity	:	1.15 - 1.20
Solubility	:	Completely soluble in water
Log Pow	:	Not available
Log Kow	:	Not available
Kinematic viscosity	:	Not available
Explosive Properties	:	Not available
Oxidizing Properties	:	Not available

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Explosive Limits : Not available

Other information

Not available

Section 10: Stability and reactivity

Reactivity

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

Chemical stability

Stable under normal temperature and storage conditions

Possibility of hazardous reactions

Will not occur

Conditions to avoid

Do not mix with anything but water

Incompatible materials

Strong acids, Soft metals such as aluminum and zinc

Hazardous decomposition products

Carbon monoxide, Potassium oxides and other products of incomplete combustion.

Section 11: Toxicological information

Information on toxicological effects

Acute toxicity

Components	Test	Species	Route of exposure	Results
Potassium hydroxide	LD50	Rat	Oral	273 mg/kg
	Draize test	Rabbit	Skin	50 mg/24 hour; severe
	Draize test	Rabbit	Eye	1 mg/24 hour; moderate

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Skin corrosion/irritation

Causes skin irritation

Serious eye damage/irritation

Causes eye irritation

Respiratory or skin sensitization

Not classified

Germ cell mutagenicity

Not classified

Carcinogenicity

Not classified

Reproductive toxicity

Not classified

Teratogenicity

Not classified

Specific target organ toxicity (Single exposure)

Not classified

Specific target organ toxicity (Repeated exposure)

Not classified

Aspiration hazard

Not classified

Symptoms/Injuries after Inhalation

May be harmful if inhaled.

Symptoms/Injuries after Skin Contact

Can cause skin irritation.

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Symptoms/Injuries after Eye Contact

Can cause eye irritation.

Symptoms/Injuries after Ingestion

May cause stomach distress, nausea, vomiting.

Chronic symptoms

Chronic symptoms of the substance or mixture are unknown.

Section 12: Ecological Information

Toxicity

Components	Test	Species	Results
Potassium hydroxide	LC50	Gambusia affinis (mosquito fish)	80 mg/l/24 hr

Persistence and degradability : Not established

Bioaccumulative potential : Not established

Mobility in soil : Not available

Other adverse effects : Not available

Section 13: Disposal considerations

Waste treatment methods

Waste Disposal Recommendations: Unused product as a waste is corrosive (D002) according to RCRA criteria. Consult state and local authorities for restrictions on disposal of chemical waste.

RCRA P-Series : Not listed

RCRA U-Series : Not listed

Section 14: Transport information

In Accordance With DOT/TDG/ICAO/IATA/IMDG

UN Number : Not regulated

UN proper shipping name : Not regulated

Transport hazard class : Not available

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Packing group : Not available

Environmental hazards : Not available

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code) : Not available

Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises : Not available

Section 15: Regulatory information

US Federal regulations

EPA TSCA regulatory flag

All components of this product are listed on the United States Toxic Substances Control Act Chemical Inventory except Sodium metasilicate pentahydrate

SARA 311/312 hazards

None of the chemicals in this product are under 311/312 hazards

SARA Section 302 Extremely hazardous substances

None of the chemicals in this product are under extremely hazardous substances

SARA 304 RQ (lbs)

None of the chemicals in this product are under extremely hazardous substances

CERCLA hazardous substances and corresponding RQs

Potassium hydroxide (CAS 1310-58-3) 1000lbs;

OSHA hazards

Potassium hydroxide is listed as hazardous chemicals in this product by OSHA.

Clean air act

None of the chemicals in this product are classified by CAA.

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US State Regulations

All components of this product can be found on the following state right to know lists: California, Massachusetts, New Jersey, and Pennsylvania.

US - California Hazardous Substances (Director's): Listed substance

Potassium hydroxide (CAS 1310-58-3) Listed

US - California Proposition 65

California No Significant Risk Level: None of the chemicals in this product are listed.

US - Massachusetts RTK - Substance: Listed substance

Potassium hydroxide (CAS 1310-58-3) Listed

US - New Jersey RTK - Substances: Listed substance

Potassium hydroxide (CAS 1310-58-3) Listed

US - Pennsylvania RTK - Hazardous Substances: Listed substance

Potassium hydroxide (CAS 1310-58-3) Listed

Canada regulations

Canadian Environmental Protection Act (CEPA)

Ingredient name	CAS #	Canadian Environmental Protection Act
Potassium hydroxide	1310-58-3	Specified on the public Portion of the Domestic Substances List and is acceptable for use under the provisions of CEPA.

Canadian ingredient disclosure list

Potassium hydroxide (CAS 1310-58-3) is listed in Canadian ingredient disclosure list.

Section 16: Other information

Revision date : 04.03.2015

Other information : The above information is believed to be correct with respect to the formula used to manufacture the product. As data, standards and regulations change and conditions of the use and handling are beyond our control, no warranty, express or implied is made as to the completeness or continuing accuracy of this information.