



HOSPITALITY
CARE HOMES
FOOD INDUSTRY
HEALTHCARE
LAUNDRY
LEISURE
AGRICULTURE

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SECTION 1: Identification of the substance / mixture and of the company undertaking

1.1. Product identifier

Trade name :REVOVATE Date of original: 29/09/1994
Product code :1050 Revision No.: 8
Product form :Mixture Revision date: 15/06/2015

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Main use category :Professional use
Industrial/Professional use spec. :For professional use only
Use of substance/mixture :Glass Renovater

1.2.2. Uses advised against

No additional information available

1.3 Details of the supplier of the safety data sheet

Trichem Scotland Ltd 36E Inchmuir Road, Whitehill Ind. Estate, Bathgate, EH48 2EP
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1.4. Emergency telephone number

Emergency number :Mon – Fri 9:00am – 5:00pm

SECTION 2: Hazards identification

2.1. Classification of the substance of mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin Corrosive :H314
Aquatic Acute :H400
Full text of H-phrases :see section 16

2.2. Label elements

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



Single word (CLP) :Danger
Hazardous ingredients :Sodium hydroxide – (caustic soda)
Hazard statements (CLP) :H314 - Causes severe skin burns and serious eye damage
:H400 – Very toxic to aquatic life
Precautionary statements (CLP) :P264 - Wash hands thoroughly after handling
:P280 - Wear eye protection
:P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes.
:Remove contact lenses, if present and easy to do. Continue rinsing.
:P308+P361+P353 – IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
:P337+P313 - If eye irritation persists: Get medical advice/attention.
:P315 - Get immediate medical attention.
:P405 - Store locked up.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

| Hazard ingredients | CAS number | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---------------------------------|------------|-------|---|
| Sodium hydroxide (caustic soda) | 1310-73-2 | 15-20 | Skin Corrosive 1A H314, Eye Dam. 1 H318 |
| Sodium Hypochlorite | 7681-52-9 | 5-10 | Skin Corr. 1B H214, Eye Dam. 1 H318, Aquatic Acute 1 H400 |

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general :Get medical advice/attention if you feel unwell.
First-aid measures after inhalation :Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact :Wash with plenty of soap and water. Take off immediately all contaminated clothing and wash it/them before reuse.

First-aid measures after eye contact :IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists. Get medical advice/attention.

First-aid measures after ingestion :Give nothing or a little water to drink. Get medical advice/attention.

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

Symptoms/injuries after inhalation :May cause respiratory irritation.

Symptoms/injuries after skin contact :Burns.

Symptoms/injuries after eye contact :Causes eye damage.

Symptoms/injuries after ingestion :Burns.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media :Carbon dioxide. Dry powder. Foam.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire :Corrosive vapours.

5.3. Advice for firefighters

No additional information

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures :Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment :Use personal protective equipment as required.

6.2. Environmental precautions

Avoid release to the environment

6.3. Methods and materials for containment and cleaning up

For containment :Collect spillage.

Methods for cleaning up :Soak up any spills with inert solids, such as clay or diatomaceous earth as soon as possible.

6.4. Reference to other sections

For further information refer to section 8. "Exposure controls/personal protection". For further information refer to section 13.

SECTION 7: Handling & storage

7.1. Precautions for safe handling

Precautions for safe handling :Avoid contact with eyes.

Hygiene measures :Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures :Does not require any specific or particular technical measures.

Storage conditions :Keep container closed when not in use.

Incompatible products :Oxidising agents. Strong acids.

Special rules on packaging :Keep only in original container.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Materials for protective clothing :Not required for normal conditions of use.

Hand protection :Protective gloves.

Eye protection :Safety glasses

Skin and body protection :Not required for normal conditions of use.

Respiratory protection :Not required for normal conditions of use.



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | | | |
|---------------------------|--------------------|-------------------------------|--------------------|
| Physical state | :Liquid | Decomposition temperature | :No data available |
| Appearance | :Mobile | Flammability (solid, gas) | :No data available |
| Colour | :Straw | Vapour pressure | :No data available |
| Odour | :Chlorine | Relative vapour density @20°C | :No data available |
| Odour threshold | :No data available | Relative density | :1.22 |
| pH | :13.5 | Solubility | :Water |
| Relative evaporation rate | :No data available | Log pow | :No data available |
| Melting point | :No data available | Viscosity, kinematic | :No data available |
| Freezing point | :No data available | Viscosity, dynamic | :No data available |
| Boiling point | :No data available | Explosive properties | :No data available |
| Flash point | :No data available | Oxidising properties | :No data available |

Auto-ignition temperature :No data available | Explosive limits :No data available

9.2. Other properties

No additional information available

SECTION 10. Stability and reactivity

10.1. Reactivity

Generates toxic gas in contact with acids. Reactions with acids may generate heat.

10.2. Chemical stability

Inadequately vented containers may become pressurised.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Avoid exposure to high temperatures and direct sunlight.

10.5. Incompatible materials

Strong acids, soft metals, aluminium, tin, zinc and their alloys

10.6. Hazardous decomposition products

Toxic gas is liberated with contact in acids, elevated temperatures may produce hazardous gases/vapours.

SECTION 11: Ecological information

11.1. Information on toxicological effects

| | |
|--|--|
| Acute toxicity | :Not classified |
| Skin corrosion/irritation | :Causes severe skin burns and eye damage :pH 13.5 |
| Serious eye damage/irritation | :Causes serious eye damage, category 1, implicit :pH 13.5 |
| Respiratory or skin sensitisation | :Not classified |
| Germ cell mutagenicity | :Not classified |
| Carcinogenicity | :Not classified |
| Reproductive toxicity | :Not classified |
| Specific target organ toxicity (single exposure) | :Not classified |
| Specific target organ toxicity (repeated exposure) | :Not classified |
| Aspiration hazard | :Not classified |

SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Small amounts (less than 5 litres) of unwanted product may be flushed with water to sewer. Larger volumes must be sent for disposal to an approved waste contractor. Rinse out empty container with water and consign to normal waste.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

ADR / RID / IMDG / IATA :1719

14.2. UN proper shipping name

Proper shipping name (ADR) : CAUSTIC ALKALI LIQUID, N.O,S, sodium hydroxide & hypochlorite solution
Proper shipping name (IMDG) : CAUSTIC ALKALI LIQUID, N.O,S, sodium hydroxide & hypochlorite solution
Proper shipping name (IATA) : CAUSTIC ALKALI LIQUID, N.O,S, sodium hydroxide & hypochlorite solution

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) :8

IMDG

Transport hazard class(es) (IMDG) :8

IATA

Transport hazard class(es) (IATA) :8

14.4. Packing group

Packing group (ADR) :II

Packing group (IMDG) :II

Packing group (IATA) :II

14.5 Environmental hazards

Dangerous to the environment :Yes
Marine pollutant :Yes
Other information :No supplementary information available

14.6. Special precautions for user

Overland transport

Classification code (ARD) Portable tank and bulk container special provisions (ADR)
Limited quantities (ARD) Tank code (ADR)
Excepted quantities (ADR) Vehicle for tank carriage (ADR)
Packaging instructions (ADR) Transport category (ADR)
Portable tank and bulk container instructions (ADR) Hazard identification number (Kemier No.)

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

IBC code :Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance of mixture

15.1.1. EU-Regulation

Contains no substances with annex XVII restrictions
Contains no substances on the REACH candidate list
Contains no REACH Annex XIV substances

15.2. Chemical safety assessment

No chemical safety assessment has been carried out as not applicable as this product is a mixture.

SECTION 16: Other information

The Risk Phrases / Hazard Statements listed below in this Section No 16 relate to the Raw Materials (Ingredients) in the Product (as listed in Section 3) and NOT the product itself. For the Risk Phrases / Hazard Statements relating to this Product see Section 2.

Full text of R-, H- and EUH-phrases

| | |
|------|---|
| H290 | May be corrosive to metals |
| H314 | Causes severe skin burns and eye damage |
| H318 | Causes serious eye damage |
| H400 | Very toxic to aquatic life |

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.