



## 1. IDENTIFICATION OF SUBSTANCE

### LIQUID RENOVATE

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

Tetrapotassium pyrophosphate at 5-15% CAS: 7320-34-5 (Xi)R36

Potassium Silicate at 5-15% CAS: 1312-76-1 (Xi) R38, (Xi) R41

Sodium Hypochlorite Solution CL Active 1-5%, CAS: 7681-52-9, EINECS:231-668-3, (-)R31;(C)R34

## 3. HAZARDS IDENTIFICATION

Main Hazards: Causes severe burns

## 4. FIRST AID MEASURES

**Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

**Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

**Ingestion:** Wash out mouth with water. Do not induce vomiting. If conscious give half a litre of water to drink immediately. Consult a doctor.

**Inhalation:** Remove Casualty from exposure ensuring one's own safety whilst doing so.

## 5. FIRE FIGHTING MEASURES

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

**Exposure Hazards:** In combustion emits toxic fumes.

**Protection of fire fighters:** Wear self contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## 6. ACCIDENTAL RELEASE MEASURE

Do not attempt to take action without suitable protective clothing. Turn leaking containers leak-side up to prevent the escape of liquid. Do not discharge into drains or rivers.

Clean up procedures: Absorb into dry earth or sand. Transfer to a closable salvage container by an appropriate method.

## 7. HANDLING AND STORAGE

Avoid direct contact with the substance, ensure sufficient ventilation of the area, avoid the formation or spread of mist in the air. Store in a cool, well ventilated area, keep container tightly closed.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Ingredients:** Potassium Hydroxide, STEL (15 min exposure limit): 2mg/m<sup>3</sup> (OES)

**Engineering measurements:** ensure sufficient ventilation of the area

**Respiratory protection:** Self contained breathing apparatus must be available in case of emergency.

**Hand protection:** Protective gloves

**Eye Protection:** Tightly fitting safety goggles. Ensure eye bath is to hand.

**Skin Protection:** Protective clothing

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**State:** Liquid

**Colour:** Pale Yellow

**Odour:** Chlorine

**Solubility in water:** highly soluble

**Viscosity:** non viscous

**Relative density:** 1.250±0.010

**PH:**13±1

## 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions

**Conditions to avoid:** Heat

**Materials to avoid:** strong oxidising agents and strong acids

**Hazz. Decomp Products:** In combustion emit toxic fumes

## 11. TOXOLOGICAL INFORMATION

**Ingredients:** Potassium Hydroxide ORL RAT LD50 273mg/kg

Sodium Hypochlorite Solution 100% CL active ORL MUS LD50 5800mg/kg

## 12. ECOLOGICAL INFORMATION

Biodegradable

## 13. DISPOSAL CONSIDERATIONS

Consider regional and national regulations regarding disposal.

## 14. TRANSPORT INFORMATION

### ADR/RID

UN number: 3266, Packing Group }1 , Shipping Name: CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Potassium Hydroxide and Sodium Hypochlorite Solution), Labelling: 8, Hazard ID no.: 80

### IMDG/IMO

UN number: 3266, Packing Group }1, labelling:8, Class 8, EmS: F-A, S-B,

### IATA/ICAO

UN number: 3266, Packing Group}1, labelling:8, Class:8, Packing instructions: 808(P&NC);812(PAO)

## 15. REGULATORY INFORMATION

Symbols: Corrosive

Risk Phrases: R35 causes severe burns

Safety Phrases:

S23: Do not breathe fumes

S26: In case of contact with eyes rinse immediately with plenty of water and seek medical advice.

S36/37/39Wear suitable protective clothing, gloves and eye/face protection.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

**Precautionary Phrases:** Warning! Do not use together with other products. May release dangerous gases (chlorine).

**Note:** Refer to all applicable national, international and local regulations or provisions.

## ADDITIONAL INFORMATION:

The above information is based on knowledge available at the time of compilation and is intended to describe the product only in terms of health and safety requirements. It does not signify any warranty with regard to specific properties or specifications. It shall be used only as a guide.