

All surfactants used in this product comply with the current European Regulations concerning Biodegradability and protection of the environment.

## Product Information

# SKY RENOVATE

## Glass Restorer and Machine Sanitiser

- Stain removal—returns glasses to sparkling condition.
- Anti- bacterial – kills bacteria, yeast and mould.
- Low foam – efficient, maximises cleaning action
- Easy to use – just swap with normal detergent

### Product Description:

**SKY RENOVATE** is an extremely powerful concentrate, which can remove the cloudiness that builds up over time due to protein, and will leave the glasses sparkling. It is designed to remove the heaviest and most stubborn stains. It is also formulated to kill any organisms in the machine, such as fungi, yeast and bacteria, which can leave the machine in an unhygienic condition.

N.B. Do not mix **RENOVATE DETERGENT** with any other chemicals, particularly acids. Renovate is not for continuous use, and should be used on a monthly basis, as a strong purge cleaner.

### Directions and Dilutions:

Simply exchange the DAZZLE glass wash detergent for SKY RENOVATE, dispensing at a ratio of 1-2ml per litre. **Ensure LUSTRE rinse aid is not connected.** When the glasses have been renovated, put through the rinse cycle with clean water. Then drain the machine, and replace with DAZZLE. SKY RENOVATE can be added by hand if required. For an average machine approximately 20-40ml should be added initially, and then 10ml every two washes.

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### Useful Information:

**Product Characteristics:** Clear pale yellow liquid.  
Hypochlorite Odour.

**Storage:** Store in original sealed container and protect from extremes of temperature.

**Availability:** Available 10 litre boxes

**Composition:** Contains a blend of sodium hypochlorite solution, sodium hydroxide & sodium phosphonate.

*For any further information on this product or any other Sky Chemicals product, please contact us and we will be more than willing to help.*

# Safety Data Sheet

## 1) IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY

**PRODUCT NAME:** SKY RENOVATE

**CODE:** A066

**DATE UPDATED:** 26/07/10

**SKY CHEMICALS UK LTD, UNIT 12 SHEFFIELD DESIGN STUDIOS, 40 BALL STREET, SHEFFIELD, S3 8DB**

**TEL:** 0114 2780222 **FAX:** 0114 2727750

## 2) COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No	CAS-No.	Content	Classification
SODIUM HYDROXIDE	215-185-5	1310-73-2	10-20%	C;R35
SODIUM HYPOCHLORITE SOLUTION, ... % Cl ACTIVE	231-668-3	7681-52-9	5-10%	C;R34 R31 N;R50

The Full Text for all R-Phrases are Displayed in Section 16

## 3) HAZARDS IDENTIFICATION

Causes severe burns. Contact with acids liberates toxic gas.

**CLASSIFICATION** C;R35. R31.

## 4) FIRST AID MEASURES

**INHALATION:** Not relevant. Inhalation unlikely.

**INGESTION:** DO NOT INDUCE VOMITING! Rinse mouth thoroughly. Drink a few glasses of water or milk. Get medical attention immediately!

**SKIN CONTACT:** Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing.

**EYE CONTACT:** Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention immediately. Continue to rinse.

## 5) FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

**SPECIFIC HAZARDS:** If involved in fire, may emit noxious fumes.

**PROTECTIVE MEASURES IN FIRE:** Protective clothing and respiratory protection should be worn when tackling fires involving this product.

## 6) ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS:** Wear suitable protective clothing, gloves and eye/face protection.

**ENVIRONMENTAL PRECAUTIONS:** Large spillages or uncontrolled discharges into rivers or streams must be reported to The Environment Agency or other regulatory body.

**SPILL CLEAN UP METHODS:** Small quantities may be flushed to drains with plenty of water. Large Spillages Absorb in vermiculite, dry sand or earth and place into containers. Send for disposal as special waste.

## 7) HANDLING AND STORAGE

**USAGE PRECAUTIONS:** Wear suitable protective clothing, gloves and eye/face protection.

**STORAGE PRECAUTIONS:** Store in a cool place away from light. Keep in original container. Keep containers tightly closed.

## 8) EXPOSURE CONTROLS AND PERSONAL PROTECTION

Name	Std	LT - ppm	LT- mg/m3	ST - ppm	ST - mg/m3
SODIUM HYDROXIDE	WEL				2 mg/m3

**INGREDIENT COMMENTS:** WEL = Workplace Exposure Limits

**PROTECTIVE EQUIPMENT**

**ENGINEERING MEASURES**

Not applicable.

**RESPIRATORY EQUIPMENT:** None required.

**HAND PROTECTION:** Household rubber gloves.

**EYE PROTECTION:** Use approved safety goggles or face shield.

**OTHER PROTECTION:** Wear suitable protective clothing.

## 9) PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE** Liquid

**COLOUR** Clear Pale Yellow

**ODOUR** Faint Characteristic Hypochlorite

**SOLUBILITY** Soluble in water

**BOILING POINT (°C)** 102 **MELTING POINT (°C)** -2

**RELATIVE DENSITY** 1.296 @ 20 °c

**pH-VALUE, DILUTED SOLUTION** 12.20 @ 5ml per Litre

**FLASH POINT (°C)** Boils without flashing

## 10) STABILITY AND REACTIVITY

**STABILITY**

Inadequately vented containers may become pressurised.

**CONDITIONS TO AVOID**

Heat and direct sunlight.

**MATERIALS TO AVOID**

Strong acids. Aluminium, Tin, Zinc and their alloys.

**HAZARDOUS DECOMPOSITION PRODUCTS**

Toxic chlorine gas is released if product is mixed with acidic materials.

## 11) TOXICOLOGICAL INFORMATION

**TOXICOLOGICAL INFORMATION:** Refer to section 3.

## 12) ECOLOGICAL INFORMATION

**ECOTOXICITY:** Potentially hazardous due to the alkalinity of the product.

**BIOACCUMULATION:** Completely soluble. No bioaccumulation.

**DEGRADABILITY:** Sequestrant is readily degraded during biological effluent treatment processes.

## 13) DISPOSAL CONSIDERATIONS

**DISPOSAL METHODS:** Discharge used solutions to drain. Small amounts (less than 5 Litres) of unwanted product may be flushed with water to sewer. Larger volumes must be sent for disposal as special waste. Rinse out empty container with water and consign to normal waste.

## 14) TRANSPORT INFORMATION

**PROPER SHIPPING NAME** CAUSTIC ALKALI LIQUID, N.O.S. (sodium hydroxide solution & hypochloritesolution)

UN NO. ROAD	1719	<b>ADR CLASS</b>	Class 8: Corrosive Substances
ADR PACK GROUP	III	<b>RID CLASS NO.</b>	Class 8: Corrosive Substances
RID PACK GROUP	III	<b>UN NO. SEA</b>	1719
IMGB CLASS	Class 8: Corrosive Substances	<b>IMDG PACK GROUP</b>	III
MARINE POLLUTANT	No	<b>UN NO. AIR</b>	1719
ICAO CLASS	Class 8: Corrosive Substances	<b>AIR PACK GROUP</b>	III

## 15) REGULATORY INFORMATION

**LABELLING:** Corrosive

**CONTAINS SODIUM HYDROXIDE**

**RISK PHRASES:** R35 Causes severe burns. R31 Contact with acids liberates toxic gas.

**SAFETY PHRASES:** S2 Keep out of the reach of children. S36/37/39 Wear suitable protective clothing, gloves and eye/face protection. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S45 In case of accident or if you feel unwell, seek medical advice immediately (show label where possible). S50B Do not mix with other products especially acidic products.

**ENVIRONMENTAL LISTING:** Hazardous Waste (England and Wales) Regulations.

**EU DIRECTIVES:** System of specific information relating to Dangerous Preparations. 2001/58/EEC. As amended by Directive 93/112/EC and 2001/58/EC.

**STATUTORY INSTRUMENTS:** Chemicals (Hazard Information and Packaging) Regulations. 2005

**APPROVED CODE OF PRACTICE:** The compilation of safety Data Sheets L130.

**GUIDANCE NOTES:** Workplace Exposure Limits EH40. As amended in 2005. Approved guide to the Classification and Labelling of Substances and Preparations Dangerous for Supply. L100

## 16) OTHER INFORMATION

**INFORMATION SOURCES:** Approved Supply List - HSC. Material Safety Data Sheet, Misc. manufacturers.

**REVISION COMMENTS:** Change in raw material classification but has no effect on product classification. (Changes made in sections 2 & 16) Change due to CHIP 3.1 (2005) OES or MEL replaced by WEL in section 8.

**REVISION DATE** 26<sup>th</sup> July 2010

**REV. NO./REPL. SDS GENERATED** Issue 2

**RISK PHRASES IN FULL:** Contact with acids liberates toxic gas. R31 Causes burns. R34 Causes severe burns. R35 Very toxic to aquatic organisms. R50.