



## Technical Data Sheet

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

### Product Information

# REMEDY

## Heavy Duty Multi Purpose Cleaner & Degreaser

- Odourless, solvent and taint free
- Use on hard surfaces inc concrete cellars
- Use in food and drink preparation areas
- Easily removes beer & spirit spillages
- Effective in both hard & soft water areas
- Can be used with either warm or cold water
- Super concentrated for economy

### Product Description:

**REMEDY** ensures maximum grease and dirt removal power. It will degrease and clean in one operation. It is formulated to be food safe, odourless, non-tainting and biodegradable. Remedy can be used on all hard surfaces including stainless steel, wood, PVC, etc. It is ideal on tables, worktops, doors, floors and walls. Remedy is suitable for use in , bars and cellars, kitchens and washrooms.

### Directions and Dilutions:

#### GENERAL CLEANING:

Dilute 1:250 parts water (20mL per 5ltr). 1x  $\frac{1}{4}$  or 2 tbsps. per 5lt. Mop, wipe or spray surface.

#### HEAVY SOILING & GREASE:

Dilute 1:50 parts water (100ml per 5lt) 3x  $\frac{1}{4}$  or  $\frac{1}{2}$  cupful per 5lt. Mop, wipe or spray surface.

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### Useful Information:

**Product Characteristics:** Clear red liquid. Characteristic odour. Unperfumed.

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

**Availability:** Available in 4x5 litre boxes

**Composition:** Contains a blend of sodium metasilicate, amphoteric surfactant, anionic surfactant, sequestering agent, solubiliser & glycol ether.

*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.*

Sky Chemicals (UK) Ltd, Unit 12 Sheffield Design Studios, 40 Ball Street, Sheffield S3 8DB

Tel: 0114 278 0222

[www.skychemicals.co.uk](http://www.skychemicals.co.uk)  
Registered in England and Wales No:07309524

Fax: 0114 272 7750

VAT Number: 991 1891 84

# Safety Data

## 1. IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY

### 1.1) Product identifier

**Product Name:** Remedy

**Relevant identified uses of the substance or mixture and uses advised against:**

**Use of substance / mixture:**

### 1.3) Details of the supplier of the safety data sheet.

**Company name:** SKY CHEMICALS (UK) LTD, UNIT 12, SHEFFIELD DESIGN STUDIOS, 40 BALL STREET, SHEFFIELD, S3 8DB

**Tel:** 0114 2780222

**Fax:** 0114 2727750

**Email:** info@skychemicals.co.uk

### 1.4) Emergency telephone number

**Emergency tel:** 0114 278 0222 (in office hour only)

## 2. HAZARDS IDENTIFICATION

### 2.1) Classification of the substance or mixture

**Classification under CLP:** Skin Corr. 1A: H314

**Most important adverse effects:** Causes severe burns.

### 2.2) Label elements:

**Hazard statements:** H314: Causes severe skin burns and eye damage.

**Signal words:** Danger

**Hazard pictograms:** GHS05: Corrosion



**Precautionary statements:** P264: Wash hands thoroughly after handling. P280: Wear protective gloves/protective clothing/eye protection/face protection. P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P321: Specific treatment (see instructions on this label). P405: Store locked up. P501: Dispose of container to hazardous or special waste collection point.

### 2.3) Other hazards

**PBT:** This product is not identified as a PBT/vPvB substance.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1) Substances:

### 3.2) Mixtures

**Hazardous ingredients:**

#### SODIUM HYDROXIDE

EINECS	CAS	PBT/WEL	CLP Classification	Percent
215-185-5	1310-73-2	C: R35	Skin Corr. 1A: H314	1-10%

#### ALKYL(C12-16)DIMETHYLBENZYLAMMONIUM CHLORIDE

-	-	Xn: R21/22; C: R34; N: R50	-	1-10%
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#### TRISODIUM NITRILOTRIACETATE

225-768-6	5064-31-3	Xn: R40; Xn: R22; Xi: R36	Carc. 2: H351; Acute Tox. 4: H302; Eye Irrit. 2: H319	1-10%
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## 4. FIRST AID MEASURES

### 4.1) Description of first aid measures

**Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.

**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. Give 1 cup of water to drink every 10 minutes. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious and breathing is OK, place in the recovery position. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly,

have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

### 4.2) Most important symptoms and effects, both acute and delayed

**Skin contact:** Blistering may occur. Progressive ulceration will occur if treatment is not immediate.

**Eye contact:** Corneal burns may occur. May cause permanent damage.

**Ingestion:** Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.

**Inhalation:** There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

### 4.3) Indication of any immediate medical attention and special treatment needed

**Immediate / special treatment:** Eye bathing equipment should be available on the premises.

## 5. FIRE FIGHTING MEASURES

**5.1) Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used.

### 5.2) Special hazards arising from the substance or mixture

**Exposure hazards:** Corrosive.

**5.3) Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## 6. ACCIDENTAL RELEASE MEASURES

**6.1) Personal precautions, protective equipment and emergency procedures:** Notify the police and fire brigade immediately. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid.

**6.2) Environmental precautions:** Do not discharge into drains or rivers.

Contain the spillage using bunding.

### 6.3) Methods and material for containment and cleaning up

**Clean-up procedures:** Clean-up should be dealt with only by qualified personnel familiar with the specific substance. Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

**6.4) Reference to other sections:** Refer to section 8 of SDS.

## 7. HANDLING AND STORAGE

### 7.1) Precautions for safe handling

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air.

### 7.2) Conditions for safe storage, including any incompatibilities

**Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed.

**7.3) Specific end use(s):** No data available.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1) Control parameters

**Hazardous ingredients:**

**SODIUM HYDROXIDE**

**Workplace exposure limits:** Respirable dust

State	8 hour TWA	15min. STEL	8 hour TWA	15 min STEL
UK	-	2 mg/m <sup>3</sup>	-	-

**DNEL/PNEC Values:** No data available.

### 8.2) Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area.

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

**Hand protection:** Impermeable gloves.

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

**Skin protection:** Impermeable protective clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1) Information on basic physical and chemical properties

**State:** Liquid

**Colour:** Red

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**Odour:** Barely perceptible odour

**Evaporation rate:** Slow

**Solubility in water:** Miscible in all proportions

**Viscosity:** Non-viscous

**Boiling point/range°C:** >35

**Flash point°C:** >93

**9.2) Other information:** No data available.

## 10. STABILITY AND REACTIVITY

**10.1) Reactivity:** Stable under recommended transport or storage conditions.

**10.2) Chemical stability:** Stable under normal conditions.

**10.3) Possibility of hazardous reactions**

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

**10.4) Conditions to avoid:** Heat.

**10.5) Incompatible materials**

**Materials to avoid:** Strong acids.

**10.6) Hazardous decomposition products**

## 11. TOXICOLOGICAL INFORMATION

**11.1) Information on toxicological effects**

### SODIUM HYDROXIDE

IPR	MUS	LD50	40	mg/kg
ORL	RBT	LDLO	500	mg/kg

**Relevant effects for mixture:**

Effect	Route	Basis
Corrosivity	OPT INH DRM	Hazardous: calculated

**Symptoms / routes of exposure**

**Skin contact:** Blistering may occur. Progressive ulceration will occur if treatment is not immediate.

**Eye contact:** Corneal burns may occur. May cause permanent damage.

**Ingestion:** Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose

**Inhalation:** There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

## 12. ECOLOGICAL INFORMATION

**12.1) Toxicity**

**Ecotoxicity values:** No data available.

**12.2) Persistence and degradability:** Biodegradable.

**12.3) Bioaccumulative potential:** No bioaccumulation potential.

**12.4) Mobility in soil:** Readily absorbed into soil.

**12.5) Results of PBT and vPvB assessment**

**PBT identification:** This product is not identified as a PBT/vPvB substance.

**12.6) Other adverse effects:** Negligible ecotoxicity.

## 13. DISPOSAL CONSIDERATIONS

**13.1) Waste treatment methods**

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## 14. TRANSPORT INFORMATION

**14.1) UN number:** UN1760

**14.2) UN proper shipping name:** CORROSIVE LIQUID, N.O.S.

**14.3) Transport hazard class(es):** 8

**14.4) Packing group:** I

**14.5) Environmental hazards**

**Environmentally hazardous:** No

**Marine pollutant:** No

**14.6) Special precautions for user**

**Special precautions:** No special precautions.

**Tunnel code:** E

**Transport category:** 1

## 15. REGULATORY INFORMATION

**15.1) Safety, health and environmental regulations/legislation specific for the substance or mixture**

**15.2) Chemical Safety Assessment**

## 16. OTHER INFORMATION

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

\* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and s.3:**

H302: Harmful if swallowed.

H314: Causes severe skin burns and eye damage.

H319: Causes serious eye irritation.

H351: Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

R21/22: Harmful in contact with skin and if swallowed.

R22: Harmful if swallowed.

R34: Causes burns.

R35: Causes severe burns.

R36: Irritating to eyes.

R40: Limited evidence of a carcinogenic effect.

R50: Very toxic to aquatic organisms.

**Legend to abbreviations:** PNEC = predicted no effect concentration

DNEL = derived no effect level

LD50 = median lethal dose

LC50 = median lethal concentration

EC50 = median effective concentration

IC50 = median inhibitory concentration

dw = dry weight

bw = body weight

cc = closed cup

oc = open cup

MUS = mouse

GPG = guinea pig

RBT = rabbit

HAM = hamster

HMN = human

MAM = mammal

PGN = pigeon

IVN = intravenous

SCU = subcutaneous

SKN = skin

DRM = dermal

OCC = ocular/corneal

OPT = optical

INH = inhalation

PCP = physico-chemical properties

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.