

**Ranger**

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

**1.1. Product identifier**

Product form :  
Product name : Ranger  
  
MSDS Code : 008508

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

**1.2.1. Relevant identified uses**

Main use category : Thixotropic oven cleaner and grease saponifier.  
Industrial/Professional use spec : For professional use only  
Use of the substance/mixture :

**1.2.2. Uses advised against**

This product is not recommended for any industrial, professional or consumer use other than the identified uses above.

**1.3. Details of the supplier of the safety data sheet**

**ANACHEM** 55 SCHOOL ROAD, BALLYMARTIN, KILKEEL, COUNTY DOWN, N. IRELAND, BT34 4UP, NORTHERN IRELAND  
Tel: 028 437 67111 Fax: 028 437 68080 Email: leon.hanna@btconnect.com

**1.4. Emergency telephone number**

Emergency number : Mon to Fri 8.30am to 5.00pm - 028 437 67111

**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

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

Skin Corr 1B - H314  
H314: Causes severe skin burns and eye damage R35

**2.2. Label elements**

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

Pictogram



P260 : Do not breathe spray  
P280: Wear protective gloves/protective clothing/eye protection/face 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.  
P301 + P331 + P315 : IF SWALLOWED: Do NOT induce vomiting. Get immediate medical advice/attention.  
P361: Remove/Take off immediately all contaminated clothing

Signal word Danger

**2.3. Other hazards**

This product contains no substances classified as PBT or vPvB.

**SECTION 3: Composition/information on ingredients**

**3.1. Substance**

**3.2. Mixture**

<b>Sodium Hydroxide</b> > 5-7 %	
<b>CAS number:</b> 1310-73-2	<b>EC number:</b> 215-185-5
<b>Classification</b>	
Skin Corr 1B - H314	H314: Causes severe skin burns and eye damage R35

Full text of R- and H-phrases: see section 16

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## Safety Data Sheet

according to Regulation (EC) No. 453/2010

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### Inhalation - advice refers to inhalation of spray mist

Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

##### Ingestion

Remove affected person from source of contamination. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention if any discomfort continues. Never give anything by mouth to an unconscious person.

##### Skin

Remove affected person from source of contamination. Remove contaminated clothing. Rinse immediately with plenty of water. Use suitable lotion to moisturise skin. Get medical attention if any discomfort continues.

##### Eyes

Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get immediate medical attention if any discomfort continues.

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

##### General Information

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

##### Inhalation - information refers to inhalation of spray mist

Spray mist will cause severe respiratory system irritation and will burn nasal and throat mucous membranes.

##### Ingestion

Will cause chemical burns in mouth and throat. May cause stomach pain or vomiting.

##### Skin

Chemical burns.

##### Eyes

Severe irritation, burning and tearing.

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

##### Notes for the doctor

Treatment should be symptomatic. Show the label to medical personnel if possible..

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

This product is not flammable. Fire extinguishing media should be selected according to the nature of surrounding materials.

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

Thermal decomposition or combustion may liberate toxic gases or vapours.

#### 5.3. Advice for firefighters

Stay up-wind to avoid breathing fumes or vapours. Keep run-off water out of sewers and watercourses. If there is risk of water pollution, notify appropriate authorities. Use self-contained breathing apparatus, gloves and protective goggles. Use full protective clothing appropriate for surrounding materials.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

Protective equipment required: respiratory protection, protective gloves, goggles, clothing and footwear. See section 8.

##### 6.1.2. For emergency responders

Protective equipment : Use personal protective equipment as required.

#### 6.2. Environmental precautions

Do not discharge into water courses. Place container with damaged side up. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY notified to the Environmental Agency or other appropriate regulatory body.

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

Wear suitable protective clothing. Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Flush remaining spilled material to foul sewer if local regulations permit. For waste disposal, see section 13.

#### 6.4. Reference to other sections

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

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Read and follow manufacturer's recommendations. Observe good chemical hygiene and handling practices. Refer to section 6.1 for personal protective equipment.

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

Store in tightly closed original container in a cool, dry place.

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Statutory and derived exposure data for Sodium Hydroxide

Workplace Exposure Limits (WEL)							
TWA - 8hr			STEL - 15mins				
-	ppm	-	mg/m3	-	ppm	2	mg/m3

Derived and predicted exposure parameters				
DNEL (mg/m3)			PNEC - No data available	
Inhalation	Short Term	1.0000		
Inhalation	Long Term	1.0000		

#### 8.2. Exposure controls

Protective Equipment



##### Appropriate engineering controls

No specific ventilation requirements. If this product is used in such a way as to generate spray mist, additional ventilation may be required.

##### Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Face shield and chemical splash goggles conforming to ANSI Z87.1.

##### Hand protection

Protection against this substance requires special consideration. Use protective gloves, complying with an approved standard (EN374), made of the following material: PVC or Nitrile.

The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material. Frequent change is advisable.

##### Other skin and body protection

Wear appropriate protective clothing to prevent any possibility of skin contact. Provide eyewash station.

##### Hygiene measures

Provide eye wash station and suitable hand cleaning/hand care facilities. When using do not eat, drink or smoke. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated.

##### Respiratory protection

Respiratory protection may be required if the usage method generates excessive levels of mist/dust. If necessary, wear a mask fitted with a cartridge P2/P3 suitable for mist/dust.

### SECTION 9: Physical and chemical properties

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

Appearance : Pale Straw Creamy Liquid

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according to Regulation (EC) No. 453/2010

appearance	: Clear Viscous Liquid
Odour	: Faint.
Odour threshold	: No data available
pH (Concentrate), pH (10%)	: 14,13
Relative evaporation rate (butylacetate=1)	: No data
available Melting point	: No data available
Freezing point	: No data available
Boiling point	: 100°C
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density (air = 1)	: No data available
Relative density at 20 °C	: 1,07
Solubility	: Soluble in all proportions
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Product will attack aluminium surfaces.

### 10.2. Chemical stability

Stable under normal temperature conditions.

### 10.3. Possibility of hazardous reactions

Reaction with acids will generate heat.

### 10.4. Conditions to avoid

Avoid excessive heat for prolonged periods of time.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Product does not decompose under normal conditions.

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### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Toxicological effects

No data recorded for mixture

##### Acute toxicity - oral (Calculated from raw material data. This product is not tested on animals)

##### ATE oral (mg/kg)

4107

##### Skin corrosion/irritation

Human skin model test Scientifically unjustified

##### Extreme pH

Based on in Vitro calculation from pH and Alkali Reserve. Corrosive.

##### General

This product is a corrosive alkaline. It is not volatile but spray mists pose an additional inhalation hazard.

##### Inhalation

Spray mist will burn respiratory membranes.

##### Ingestion

Will cause burns to mouth, throat and stomach if swallowed.

##### Skin contact

Corrosive to skin. Causes burns.

##### Eye contact

Corrosive to eyes. May cause corneal damage.

##### Route of entry

Inhalation (spray mist). Ingestion. Skin. Eyes.

##### Medical symptoms

Severe skin irritation/burns. Eye irritation/burns. Severe lung/mucous membrane irritation. Reddened/burned skin if chemical is not removed by washing. Effects may be delayed.

##### Medical considerations

Treatment should be symptomatic.

Toxicological information on ingredients

Sodium Hydroxide

LD50

oral

rat

273

mg/kg

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### SECTION 12: Ecological information

The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms. The product does not contain organically bound halogen. The product is not expected to be hazardous to wastewater treatment processes. The product does not contain organic complexing agents with a DOC level of degradation of < 80% after 28 days.

#### 12.1. Toxicity

##### Acute aquatic toxicity

Details shown in section 08, when applicable.

#### 12.2. Persistence and degradability

The surfactants contained in this product comply with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request, or at the request of a detergent manufacturer.

The product is biodegradable but it must not be discharged into drains without permission from the relevant authorities.

#### 12.3. Bioaccumulative potential

This product is not expected to bioaccumulate

#### 12.4. Mobility in soil

The product is soluble in water.

#### 12.5. Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

#### 12.6. Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

When handling waste, the safety precautions applying to handling of the product should be considered. The packaging must be empty (drop-free when inverted).

##### Disposal methods

Packaging should be reused, recycled or laundered via a licensed operator wherever possible.

Avoid the spillage or runoff entering watercourses. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Discharge of small quantities to the sewer with plenty of water may be permitted.

The requirements of the local water authority must be complied with if contaminated water is flushed directly to the sewer. Larger quantities should be treated in a suitable plant or disposed of via a licensed waste disposal contractor.

### SECTION 14: Transport information

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

#### 14.1. UN number

Not regulated for transport

#### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : 1719 (Corrosive Alkali LiquidNOS)  
Proper Shipping Name (IMDG) : 1719 (Corrosive Alkali LiquidNOS)  
Proper Shipping Name (ICAO) : 1719 (Corrosive Alkali LiquidNOS)

#### 14.3. Transport hazard class(es) / labels

##### 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) : iii

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Packing group (IMDG) : iii  
Packing group (IATA) : iii

### 14.5. Environmental hazards

Other information : No supplementary information available

### 14.6. Special precautions for user

- EMS F-A, S,B
- Emergency Action Code 2W
- Tunnel Restriction Code E

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

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

#### 15.1.2. National regulations

Commission Decision 2000/532/EC as amended by Decision 2001/118/EC establishing a list of wastes and hazardous waste pursuant to Council Directive 75/442/EEC on waste and Directive 91/689/EEC on hazardous waste with amendments

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

For use by trained personnel only. Read the product label and follow instructions carefully. This product should only be used on the surfaces described on the product

Do not use or rinse this product in such a way as to generate excessive product mist, as this can cause unnecessary inhalation hazard.

When using this product, ensure that other unprotected personnel, or members of the public, are not exposed. Where necessary, unprotected persons should be excluded from any area where the product is being used.

All users should have access to, and be familiar with the contents of, this data sheet.

If this product is decanted into other containers, ensure that they are suitable, clean and correctly labelled.

Product spills may be very slippery - ensure that spillages are cleaned up immediately and that adequate warnings are given to other personnel. This product should NOT be used in the home.

SDS EU

*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*