

**Liberate**

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

**1.1. Product identifier**

Product form : Aerosol  
Product name : Liberate

MSDS Code : CS76

**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 the substance/mixture : Designed for use on stone, concrete, terrazzo, lino, thermoplastic and wooden floors.  
Produces a low gloss finish which is tough and durable without the need for solvent based seals

**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**

R12 Extremely flammable. R66 Repeated exposure may cause skin dryness or cracking., R67 Vapours may cause drowsiness and dizziness., R36 Irritating to eyes. PRESSURISED CONTAINER - increase in temperature to greater than 50C will cause internal pressure to rise potentially causing bursting/explosion.

**2.2. Label elements**

No Legislation Available

**2.3. Other hazards**

This product contains no substances classified as PBT or vPvB.

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

<b>Aliphatic distillate 30-60%</b>		<b>Butane 5-10%</b>	
<b>CAS number:</b> Classification 64742-48-9	<b>EC number:</b> 265-150-3	<b>CAS number:</b> Classification 106-97-8	<b>EC number:</b> 203-448-7
Xn;R65. R10,R66.		F+;R12	
<b>Ethoxylated fatty amine 1-5%</b>		<b>Propan-2-ol 10-30%</b>	
<b>CAS number:</b> Classification 25307-17-9	<b>EC number:</b> 246-807-3	<b>CAS number:</b> Classification 67-63-0	<b>EC number:</b> 200-661-7
Xn;R22. C;R34. N;R50.		F;R11 Xi;R36 R67	

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

Ingestion : Rinse mouth thoroughly, drink plenty of water, DO NOT induce vomiting. Get medical attention immediately.

Skin Contact : Rinse with water. Get medical attention if any discomfort continues. Remove all contaminated clothes unless stuck to skin. EYE

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According to Regulation (EC) No. 453/2010

Eye Contact

: Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention if any discomfort continues.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Use: Powder, Dry chemicals, sand, dolomite etc., Water spray, fog or mist.

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

No Information Available

#### 5.3. Advice for firefighters

Stay up-wind to avoid breathing fumes or vapors. 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

Wear necessary protective equipment, Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate, If leakage cannot be stopped, evacuate area.

##### 6.1.2. For emergency responders

Personal Precautions : Spillage may be slippery. Do not allow spilled materials to enter rivers or waterways. Absorb using Spill Hound if available – sand or earth if not.

#### 6.2. Environmental precautions

No Information Available

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

No Information Available

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

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

Keep away from heat, sparks and open flame, Avoid spilling, skin and eye contact, Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C.

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

Special rules on packaging : Keep only in original container. Store in tightly closed original container in a dry, cool and well-ventilated place.

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

Protective Equipment	: Wear gloves,
Hand Protection	: For prolonged or repeated skin contact use suitable protective gloves
Eye Protection	: Eye protection should be considered where there is a risk of splashing. Rubber gloves and barrier cream are recommended when using any chemical.

#### 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.

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### 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.

## 8.2. Exposure controls

## SECTION 9: Physical and chemical properties

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

Appearance	: Aerosol
Odour	: Characteristic, Hydrocarbon
Odour threshold	: No data available
pH (Concentrate), pH (10%)	: 85
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: -74
Freezing point	: No data available
Auto Ignition	: +405
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: 1.8-10.0
Vapour pressure	: No data available
Relative vapour density (air = 1)	: No data available
Relative density at 20 °C	: 0.74
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing 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

No additional Information Available

### 10.2. Chemical stability

Stable under normal temperature conditions. Avoid Freezing Mixture

### 10.3. Possibility of hazardous reactions

No additional Information Available

### 10.4. Conditions to avoid

No additional Information Available

### 10.5. Incompatible materials

No additional information available

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### 10.6. Hazardous decomposition products

Product does not decompose under normal conditions.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Inhalation	May cause irritation to the respiratory system. Vapours may cause headache, fatigue, dizziness and nausea., Prolonged inhalation of high concentrations may damage respiratory system
Skin Contact	Prolonged contact may cause severe irritation
Eye Contact	Irritation of eyes and mucous membranes

## SECTION 12: Ecological information

### 12.1. Toxicity

Not classed as Hazardous to the Environment but release to the environment should be avoided.

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bio accumulative potential

No additional information available

### 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

### Disposal methods

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

## SECTION 14: Transport information

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

### 14.1. UN number

3264

### 14.2. UN proper shipping name

8

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

UN NO. ROAD 1950

UK ROAD CLASS 2

ADR CLASS NO. 2

ADR CLASS 2: Gases

PROPER SHIPPING NAME AEROSOLS, FLAMMABLE

UN NO. SEA 1950

IMDG CLASS 2.1

UN NO. AIR 1950

AIR CLASS 2.1

### 14.4. Packing group

Not Classified

### 14.5. Environmental hazards

Other information : No supplementary information available

### 14.6. Special precautions for user

No additional information available

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

Not applicable

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According to Regulation (EC) No. 453/2010

### SECTION 15: Regulatory information

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

##### 15.1.1. EU-Regulations

Risk Phrases	R12 Extremely flammable. R36 Irritating to eyes., R66 Repeated exposure may cause skin dryness or cracking., R67 Vapours may cause drowsiness and dizziness
Safety Phrases	S2 Keep out of the reach of children, S16 Keep away from sources of ignition - No smoking., S23 Do not breathe vapour/spray., S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice., S37/39 Wear suitable gloves and eye/face protection., S51 Use only in well-ventilated areas.
Statutory Instruments	Chemicals (Hazard Information and Packaging) Regulations.
Approved code of Practice	Classification and labeling of substances preparations dangerous for supply.

##### 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

Read the product label and follow instructions carefully. This product should only be used on the surfaces described on the product

Risk Phrases in full

R38 Irritating to skin. R41 Risk of serious damage to eyes.| R36 Irritating to eyes.|

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

Risk Phrases in full : R22 Harmful if swallowed  
R34 Causes Burns  
R36 Irritating to eyes  
R41 Risk of serious damage to eyes  
R43 May cause sensitization by skin contact  
R50 Very toxic to aquatic organisms  
R51/53 Toxic to aquatic organisms, may cause long term effects in the aquatic environment

Microbial Classification All the bacteria in this preparation belong to Group 1 as defined in Council Directive 90/679/EEC as amended by Council Directive 93/88/EEC and Council derivative 2000/54/EC

Biodegradability The surfactants contained in this preparation complies with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 and 907/2006 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be available to them, at their direct request or at the request of a detergent manufacturer.

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.

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*