

**Safety data sheet
according to 1907/2006/EC, Article 31**



Printing date 13.05.2012

Revision: 11.05.2012

1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name:** CLEAR ACRYLIC LACQUER
- **Article number:** 456
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the preparation** Coating compound/ Surface coating/ paint
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Concept Chemicals & Coatings Ltd.
Felt Court, Windmill Lane Ind.Estate
Denton, Manchester M34 3RB England
- **Further information obtainable from:**
Tel 00 44 (0)161 335 0213
Fax 00 44 (0)161 335 0214
cheryl@conceptchemicals.com
- **Emergency telephone number:**
During working hours GMT 09.00 - 17.00
Tel 00 44 (0)161 335 0213
Fax 00 44 (0)161 335 0214

2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
-  **Xi; Irritant**
R36: Irritating to eyes.
-  **F+; Extremely flammable**
R12: Extremely flammable.
R66-67: Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.
- **Information concerning particular hazards for human and environment:**
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.
Warning! Pressurized container.
Has a narcotizing effect.
- **Classification system:**
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
- **Label elements**
- **Labelling according to EU guidelines:**
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials
- **Code letter and hazard designation of product:**
Xi Irritant
F+ Extremely flammable
- **Risk phrases:**
12 Extremely flammable.

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36 Irritating to eyes.
66 Repeated exposure may cause skin dryness or cracking.
67 Vapours may cause drowsiness and dizziness.

· **Safety phrases:**

16 Keep away from sources of ignition - No smoking.
23 Do not breathe fumes.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
33 Take precautionary measures against static discharges.
37 Wear suitable gloves.
43 In case of fire, use sand, carbon dioxide or powdered extinguishing agent. Never use water.
51 Use only in well-ventilated areas.

· **Special labelling of certain preparations:**

Safety data sheet available for professional user on request.
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C.
Do not pierce or burn, even after use.
Do not spray on a naked flame or any incandescent material.
Buildup of explosive mixtures possible without sufficient ventilation.
Keep out of the reach of children

· **Other hazards**

· **Results of PBT and vPvB assessment**











- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 67-64-1 EINECS: 200-662-2	propan-2-one  Xi R36;  F R11 R66-67	25-50%
CAS: 106-97-8 EINECS: 203-448-7	butane  F+ R12	10-25%
CAS: 111-76-2 EINECS: 203-905-0	2-butoxyethanol  Xn R20/21/22;  Xi R36/38	5 -10%
CAS: 108-10-1 EINECS: 203-550-1	4-methylpentan-2-one  Xn R20;  Xi R36/37;  F R11 R66	2.5 -5%
CAS: 108-65-6 EINECS: 203-603-9	2-methoxy-1-methylethyl acetate  Xi R36 R10	2.5 -5%
CAS: 75-28-5 EINECS: 200-857-2	isobutane  F+ R12	1-5%

· **Additional information** For the wording of the listed risk phrases refer to section 16.

4 First aid measures

· **Description of first aid measures**

- **After inhalation** Supply fresh air; consult doctor in case of complaints.
- **After skin contact** Generally the product does not irritate the skin.

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- **After eye contact**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing** *If symptoms persist consult doctor.*
- **Information for doctor**
- **Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents** *Water with full jet.*
- **Special hazards arising from the substance or mixture**
No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** *No special measures required.*

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** *Do not allow to enter sewers /surface or ground water drains.*
- **Methods and material for containment and cleaning up:** *Ensure adequate ventilation.*
- **Reference to other sections**
*See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.*

7 Handling and storage

- **Handling**
- **Precautions for safe handling**
*Risk of serious damage to eyes.
Open and handle receptacle with care.*
- **Information about fire - and explosion protection:**
*Do not spray onto a naked flame or any incandescent material.
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.*
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:**
*Store in a cool location.
Observe official regulations on storing packagings with pressurized containers.*
- **Information about storage in one common storage facility:** *Not required.*
- **Further information about storage conditions:**
*Store in cool, dry conditions in well sealed receptacles.
Protect from heat and direct sunlight.*

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 · **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

 · **Additional information about design of technical facilities:** No further data; see item 7.

 · **Control parameters**

 · **Ingredients with limit values that require monitoring at the workplace:**
67-64-1 propan-2-one

OES	Short-term value: 3620 mg/m ³ , 1500 ppm Long-term value: 1210 mg/m ³ , 500 ppm IOELV
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74-98-6 propane

OES	Asphyxiant
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106-97-8 butane

OES	Short-term value: 1810 mg/m ³ , 750 ppm Long-term value: 1450 mg/m ³ , 600 ppm
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111-76-2 2-butoxyethanol

OES	Short-term value: 50 ppm Long-term value: 25 ppm Sk, , IOELV
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108-10-1 4-methylpentan-2-one

OES	Short-term value: 416 mg/m ³ , 100 ppm Long-term value: 208 mg/m ³ , 50 ppm IOELV, Sk,
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108-65-6 2-methoxy-1-methylethyl acetate

OES	Short-term value: 548 mg/m ³ , 100 ppm Long-term value: 274 mg/m ³ , 50 ppm IOELV, Sk
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 · **Additional information:** The lists valid during the making were used as basis.

 · **Exposure controls**

 · **Personal protective equipment**

 · **General protective and hygienic measures**

Keep away from foodstuffs, beverages and feed.
 Immediately remove all soiled and contaminated clothing
 Wash hands before breaks and at the end of work.
 Avoid contact with the eyes and skin.

 · **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
 Use suitable respiratory protective device in case of insufficient ventilation.

 · **Protection of hands:** Rubber gloves

 · **Material of gloves** Nitrile rubber, NBR

 · **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

 · **Eye protection:** Safety glasses

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9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

· Form:	Aerosol
· Colour:	Transparent
· Odour:	Characteristic

· **Change in condition**

· Melting point/Melting range:	undetermined
· Boiling point/Boiling range:	55°C

· **Flash point:** -40°C

· **Ignition temperature:** 240.0°C

· **Self-igniting:** Product is not selfigniting.

· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

· **Explosion limits:**

· Lower:	1.5 Vol %
· Upper:	13.0 Vol %

· **Vapour pressure at 20°C:** 8300.0 hPa

· **Density:** Not determined

· **Solubility in / Miscibility with**

· Water:	Not miscible or difficult to mix
· Other information	No further relevant information available.

10 Stability and reactivity

· **Reactivity**

· **Chemical stability**

· **Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

· **Possibility of hazardous reactions** No dangerous reactions known

· **Conditions to avoid** No further relevant information available.

· **Incompatible materials:** No further relevant information available.

· **Hazardous decomposition products:** No dangerous decomposition products known

11 Toxicological information

· **Information on toxicological effects**

· **Acute toxicity:**

· **Primary irritant effect:**

· **on the skin:** No irritant effect.

· **on the eye:** Irritating effect.

· **Sensitization:** No sensitizing effects known.

· **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

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Irritant

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12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **UN-Number**
- **ADR, IMDG, IATA** UN1950
- **UN proper shipping name**
- **ADR** 1950 AEROSOLS
- **IMDG** AEROSOLS
- **IATA** AEROSOLS, flammable
- **Transport hazard class(es)**
- **ADR**
- 
- **Class** 2 5F Gases.

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· Label	2.1
· IMDG	
	
· Class	2 Gases.
· Label	2.1
· IATA	
	
· Class	2.1
· Label	2.1
· Packing group	
· ADR, IMDG, IATA	Void
· Environmental hazards:	
· Marine pollutant:	No
· Special precautions for user	Warning: Gases.
· Danger code (Kemler):	-
· EMS Number:	F-D,S-U
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	
· ADR	
· Limited quantities (LQ)	LQ2
· Tunnel restriction code	B1D

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations**
- **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

- R10 Flammable.
- R11 Highly flammable.
- R12 Extremely flammable.
- R20 Harmful by inhalation.
- R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

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- R36 *Irritating to eyes.*
R36/37 *Irritating to eyes and respiratory system.*
R36/38 *Irritating to eyes and skin.*
R66 *Repeated exposure may cause skin dryness or cracking.*
R67 *Vapours may cause drowsiness and dizziness.*

- **Department issuing MSDS:** Technical Department.
- **Contact:** Mr. S. Appleby

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