

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

- **Product details**
- **Trade name:** Alsan RS 230, 7032
- **Article number:** a145- 732
- **Application of the substance / the preparation** Sealing
- **Manufacturer/Supplier:**
SOPREMA Belgium N.V.
Bouwvelven 5
2280 Grobbendonk
Tel.: +32 (0) 14 23 07 07
Fax: +32 (0) 14 23 07 77
info@soprema.de
- **Further information obtainable from:** +32 (0) 14 23 07 07
- **Information in case of emergency:** +32 70 245 245

2 Hazards identification

- **Hazard description:**








Xi Irritant
F Highly flammable

- **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.
- R 11 Highly flammable.
- R 37/38 Irritating to respiratory system and skin.
- R 43 May cause sensitisation by skin contact.

3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS: 80-62-6 EINECS: 201-297-1	methyl methacrylate	 Xi,  F; R 11-37/38-43	10-25%
CAS: 103-11-7 EINECS: 203-080-7	2-ethylhexyl acrylate	 Xi; R 37/38-43	10-25%
CAS: 38668-48-3 EINECS: 254-075-1	1,1'-(p-tolylimino)dipropan-2-ol	 T,  Xi; R 25-36-52/53	<1%

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

4 First aid measures

- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:**
Take affected persons into fresh air and keep quiet.
Seek medical treatment in case of complaints.
- **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.

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· **After swallowing:** Do not induce vomiting; call for medical help immediately.

5 Fire-fighting measures

- **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 caused by the substance, its products of combustion or resulting gases:**
Can form explosive gas-air mixtures.
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information** Cool endangered receptacles with water spray.

6 Accidental release measures

- **Person-related safety precautions:**
Wear protective equipment. Keep unprotected persons away.
Keep away from ignition sources.
Ensure adequate ventilation
Use respiratory protective device against the effects of fumes/dust/aerosol.
- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.
Do not flush with water or aqueous cleansing agents
Dispose contaminated material as waste according to item 13.
- **Additional information:** See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
- **Information for safe handling:**
Open and handle receptacle with care.
Ensure good ventilation/exhaustion at the workplace.
- **Information about fire - and explosion protection:**
Highly volatile, flammable constituents are released during processing.
Fumes can combine with air to form an explosive mixture.
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Store in a cool location.
Store only in the original receptacle.
- **Information about storage in one common storage facility:** Store away from oxidizing agents.
- **Further information about storage conditions:**
Keep container tightly sealed.
Store in cool, dry conditions in well sealed receptacles.

8 Exposure controls/personal protection

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

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· Ingredients with limit values that require monitoring at the workplace:
80-62-6 methyl methacrylate

WEL	Short-term value: 416 mg/m ³ , 100 ppm
	Long-term value: 208 mg/m ³ , 50 ppm

· **Additional information:** The lists valid during the making were used as basis.

· **Personal protective equipment:**

· **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

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.

· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

Nitrile rubber, NBR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Protective gloves according EN 374.

Suitable material: nitrile.

· **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.

· **For the permanent contact in work areas without heightened risk of injury (e.g. Laboratory) gloves made of the following material are suitable:**

Butyl rubber, BR

· **Not suitable are gloves made of the following materials: Leather gloves**

· **Eye protection:**



Tightly sealed goggles

· **Body protection:** Protective work clothing

9 Physical and chemical properties

· **General Information**

Form:	Fluid
Colour:	Grey
Odour:	Ester-like

· **Change in condition**

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: 101°C

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· Flash point:	10°C
· Ignition temperature:	245°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:	0.8 Vol %
Upper:	12.5 Vol %
· Vapour pressure at 20°C:	47 hPa
· Density at 20°C:	1.21 g/cm ³
· Solubility in / Miscibility with water:	Not miscible or difficult to mix.
· Viscosity:	
Dynamic at 20°C:	28 dPas
· Solvent content:	
VOC (EC)	0.15 %
· Solids content:	66 %

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions**
Exothermic reaction.
Reacts with peroxides and other radical forming substances.
- **Dangerous decomposition products:** Carbon monoxide

11 Toxicological information

- **Acute toxicity:**
- **Specific symptoms in biological assay:** No data available
- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** No irritating effect.
- **Sensitization:** Sensitization possible through skin contact.
- **Other information (about experimental toxicology):** No data available
- **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:
Irritant
- **Sensitisation** May cause sensitisation by skin contact.

12 Ecological information

- **Information about elimination (persistence and degradability):**
- **Other information:** No ecological data available
- **General notes:**
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.

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Danger to drinking water if even small quantities leak into the ground.

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13 Disposal considerations

- **Product:**
- **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

- **Land transport ADR/RID (cross-border)**



- **ADR/RID class:** 3 Flammable liquids.
- **Danger code (Kemler):** 33
- **UN-Number:** 1263
- **Packaging group:** III
- **Hazard label:** 3
- **Description of goods:** 1263 PAINT

- **Maritime transport IMDG:**



- **IMDG Class:** 3
- **UN Number:** 1263
- **Label** 3
- **Packaging group:** III
- **EMS Number:** F-E,S-E
- **Marine pollutant:** No
- **Proper shipping name:** PAINT

- **Air transport ICAO-TI and IATA-DGR:**



- **ICAO/IATA Class:** 3
- **UN/ID Number:** 1263
- **Label** 3
- **Packaging group:** III
- **Proper shipping name:** PAINT

15 Regulatory information

- **Labelling according to EU guidelines:**
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

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- **Code letter and hazard designation of product:**

- Xi Irritant*

- F Highly flammable*

- **Hazard-determining components of labelling:**

- methyl methacrylate*

- 2-ethylhexyl acrylate*

- **Risk phrases:**

- 11 Highly flammable.*

- 37/38 Irritating to respiratory system and skin.*

- 43 May cause sensitisation by skin contact.*

- **Safety phrases:**

- 16 Keep away from sources of ignition - No smoking.*

- 24 Avoid contact with skin.*

- 37 Wear suitable gloves.*

- 51 Use only in well-ventilated areas.*

- 60 This material and its container must be disposed of as hazardous waste.*

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 R-phrases**

- 11 Highly flammable.*

- 25 Toxic if swallowed.*

- 36 Irritating to eyes.*

- 37/38 Irritating to respiratory system and skin.*

- 43 May cause sensitisation by skin contact.*

- 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.*

- **Department issuing MSDS:** *Division product safety*

- **Contact:** *Guido Verschueren*

- *** Data compared to the previous version altered.**