



MATERIAL SAFETY DATA SHEET

ALSAN RS REPAIR MORTAR

HMIS	PROTECTIVE CLOTHING	TRANSPORT OF DANGEROUS GOODS
<div style="border: 1px solid black; padding: 5px;"> <div style="background-color: #0056b3; color: white; padding: 2px;">1 HEALTH</div> <div style="background-color: #ff0000; color: white; padding: 2px;">3 FLAMMABILITY</div> <div style="background-color: #ff8c00; color: white; padding: 2px;">1 REACTIVITY</div> <div style="background-color: #cccccc; color: black; padding: 2px;">G PROTECTIVE EQUIPMENT</div> </div>		<div style="text-align: center;"> </div> <p style="text-align: right; margin-top: 10px;">PAINT CLASS 3 UN 1263 P.G.: III</p>

SECTION II. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product name:	Alsan RS Repair Mortar
Use:	Fast curing repair mortar
Manufacturer:	Soprema, Inc. 310 Quadral Drive Wadsworth, Ohio 44281 UNITED STATES
Distributor:	Soprema, Inc. 310 Quadral Drive Wadsworth, Ohio 44281 UNITED STATES
In case of emergency:	SOPREMA (8:00am to 5:00pm - Eastern time): (800) 356-3521 CHEMTREC (USA) (24h.): (800) 424-9300 CANUTEC (Canada): (613) 996-6666 International: (703) 527-3887

EMERGENCY OVERVIEW!!!

**Highly flammable. Irritating to eyes, respiratory system and skin.
May cause sensitisation by skin contact.**

SECTION II. COMPOSITION AND INFORMATION ON INGREDIENTS

Component	CAS#	% by weight
Methyl methacrylate	80-62-6	25-50%
Benzylmethacrylat	2495-37-6	20-40%
2-ethylhexyl acrylate	103-11-7	10-25%
1,1'-(p-tolylimino)dipropan-2-ol	38668-48-3	< 1%
TSCA: all ingredients are listed		

SECTION III. POTENTIAL HEALTH EFFECTS

Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of international guidelines.

Highly flammable.

Irritating to eyes, respiratory system and skin.

May cause sensitisation by skin contact.

SECTION IV. FIRST AID MEASURES

GENERAL	Immediately remove any clothing soiled by the product.
SKIN	Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.
EYES	Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
INHALATION	Take affected persons into fresh air and keep quiet. Seek medical treatment in case of complaints.
INGESTION	Do not induce vomiting; immediately call for medical help.

SECTION V. FIRE-FIGHTING MEASURES

Extinguishing media	CO ₂ , powder or water spray. Fight larger fire with 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.

SECTION VI. ACCIDENTAL RELEASE MEASURES

• Person-related safety precautions:

Wear protective equipment. Keep unprotected persons away.

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 SECTION XIII.

SECTION VII. HANDLING AND STORAGE

HANDLING:**• Information for safe handling:**

Open and handle receptacle with care.

Ensure good interior ventilation at the workplace.

• Information about fire - and explosion protection:

Fumes can combine with air to form an explosive mixture.

Highly volatile, flammable constituents are released during processing.

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 receptacle tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

SECTION VIII. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with limit values that required monitoring at the workplace:

80-62-6 methyl methacrylate	PEL	410 mg/m ³ , 100 ppm
	REL	410 mg/m ³ , 50 ppm
	TLV	Short-term value: 410 mg/m ³ , 100 ppm Long-term value: 205 mg/m ³ , 50 ppm

Additional information: The lists that were valid during the creation 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 respiratory protective device that is independent of circulating air.
Hand protection:	Butyl rubber gloves
Eye protection:	Tightly sealed goggles
Body Protection:	Protective work clothing

SECTION IX. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL FORM	Liquid
COLOR	Colorless
ODOR	Ester-like
FLASH POINT	50 °F (10 °C)
MELTING POINT	Undetermined
BOILING POINT	101 °F (214 °C)
IGNITION TEMPERATURE	473 °F (245 °C)
SELF-IGNITING	Product is not self-igniting
DANGER OF EXPLOSION	Product is not explosive. However, formation of explosive air/vapor mixtures are possible
EXPLOSIVE LIMITS	Lower: 0.8 Vol% Upper: 12.5 Vol%
VAPOR PRESSURE at 68°F (20 °C)	47 hPa (35mm Hg)
VISCOSITY Kinematic @ 68°F (20 °C)	25 s (ISO 6mm)
SOLUBILITY IN / MISCIBILITY WITH WATER	Not miscible or difficult to mix
SOLVENT CONTENT	Organic solvents: 0.0%
SOLIDS CONTENT	30%
DENSITY @ 68°F (20 °C)	0.99 g/cm ³

SECTION X. 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

SECTION XI. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Primary irritant effect:

- on the skin: Irritant to skin and mucous membranes.
- on the eye: Irritating effect.

Sensitization:

Sensitization possible through skin contact.

Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant

SECTION XII. ECOLOGICAL INFORMATION

• General notes:

Water hazard class 2 (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.

SECTION XIII. 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.

SECTION XIV. TRANSPORTATION INFORMATION

DOT regulations:

Hazard class: 3

Identification number: UN1263

Packaging group: III

Proper shipping name (technical name): PAINT

Label: 3

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 RELATED MATERIAL

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

SECTION XV. REGULATORY INFORMATION

SARA

Section 355 (extremely hazardous substances):

None of the ingredient is listed

Section 313 (Specific toxic chemical listings):

80-62-6	methyl methacrylate
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TSCA (Toxic Substances Control Act):

80-62-6	methyl methacrylate
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103-11-7	2-ethylhexyl acrylate
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8002-74-2	Paraffin waxes and Hydrocarbon waxes
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38668-48-3	1,1'-(p-tolylimino)dipropan-2-ol
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128-37-0	2,6-di-tert-butyl-p-cresol
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PROPOSITION 65

Chemicals known to cause cancer:

None of the ingredients listed.

Chemicals known to cause reproductive toxicity for females:

None of the ingredients listed.

Chemicals known to cause reproductive toxicity for males:

None of the ingredients listed.

Chemicals known to cause developmental toxicity:

None of the ingredients listed.

CANCEROGENITY CATEGORIES

EPA (Environmental Protection Agency)

80-62-6	methyl methacrylate
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IARC (International Agency for Research on Cancer)

80-62-6	methyl methacrylate
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103-11-7	2-ethylhexyl acrylate
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128-37-0	2,6-di-tert-butyl-p-cresol
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NTP (National Toxicology Program)

None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH)

80-62-6	methyl methacrylate
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128-37-0	2,6-di-tert-butyl-p-cresol
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NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

OSHa-Ca (Occupational Safety and Health Administration)

None of the ingredients is listed.

• Product related hazard informations:

The product has been classified and marked in accordance with directives on hazardous materials.

• Hazard symbols:

Irritant

Highly flammable

• Hazard-determining components of labelling:

methyl methacrylate

2-ethylhexyl acrylate

SECTION XV. REGULATORY INFORMATION

• Risk phrases:

Highly flammable.

Irritating to eyes, respiratory system and skin.

May cause sensitisation by skin contact.

• Safety phrases:

Keep away from sources of ignition - No smoking.

Avoid contact with skin.

Wear suitable gloves.

Use only in well-ventilated areas.

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

SECTION XVI. 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.

Glossary:

ACGIH: American Conference of Governmental Industrial Hygienists

ANSI: American National Standards Institute

ASTM: American Society for Testing and Materials

CAS: Chemical Abstract Services

CFR: Code of Federal Regulations (United States)

CSA: Canadian Standardisation Association

DOT: Department of Transportation (United States)

DSL: Domestic Substances List (Canada)

EPA: Environmental Protection Agency (United States)

HMIS: Hazardous Material Information System

IARC: International Agency for Research on Cancer

LC50: (Lethal concentration₅₀) Concentration of a substance in air that causes death of 50% mortality of a defined animal population

LD50: (Lethal dose₅₀) Single dose of a substance that, when administered by a defined route in an animal assay, is expected to cause the death of 50% of a defined animal population.

NFPA: National Fire Protection Association (United States)

NIOSH: National Institute for Occupational Safety and Health

NTP: National Toxicology Program

OSHA: Occupational Safety & Health Administration (United States)

PEL: Permissible Exposure Limit

RCRA: Resource Conservation and Recovery Act (United States)

RTECS: Registry of Toxic Effects of Chemical Substances

TDG: Transportation of Dangerous Goods

TLV: Threshold Limit Value

TWA: Time-weighted average

TSCA: Toxic Substances Control Act (United States)

WHMIS: Workplace Hazardous Materials Information System (Canada)

Reference:

Supplier MSDS

This MSDS has been prepared by: SOPREMA, INC.

For information: 800-543-3085

The Material Safety Data Sheets of SOPREMA are available on Internet at the following site: [HTTP://WWW.SOPREMA.US](http://www.soprema.us)

Justification of the update:

New MSDS.

This MSDS contains all the information required by ANSI Z-400.1-1998 standard (United States), by regulation 29 CFR Part 1910.1200 of the Hazard Communication Standard of OSHA, and is in accordance with standard DORS/88-66 OF WHMIS Canada.

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier or any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.