1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier

AMIG-2012	Sand and Gravel Glue MIG JIMENEZ S.L.

UFI: G87R-MSTU-T509-VCKV

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

Adhesive varnish for sand and gravel.

1.3 Details of the supplier of the safety data sheet

Mig Jimenez, S.L.
Pl Miguel de Eguía. C/Zarapuz 3. 31200 Estella, Navarra (Spain)
Phone: +34 948 552 882
Email: order@ammo.es
Web: www.migjimenez.com

1.4 Teléfono de emergencia

Phone: +34 917689800 Instituto Nacional de Toxicología y Ciencias Forenses (INTCF) - SPAIN

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

According to Regulation (EC) No 1272/2008 (CLP):

Hazard Class	Hazard Category	Target Organs	Hazard Statements
Flam. Liq.	Category 2	-	H225
Eye Irrit.	Category 2	-	H319
STOT SE	Category 3	-	H336
Aspiration Hazard	Category 1	-	H304

2.2 Label Elements

According to Regulation (EU) No 1272/2008:



Signal Word: **DANGER**

Hazard Statements:

H225: Highly flammable liquid and vapour.
H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness.
H304: May be fatal if swallowed and enters airways.

Precautionary Statements:

P102: Keep out of reach of children.
P210: Keep away from heat, sparks, open flames, hot surfaces. No smoking.
P233: Keep container tightly closed.
P243: Take precautionary measures against static discharge.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical advice/attention.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P370+P378: In case of fire: Use recommended extinguishing media.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray. (Optional)
P271: Use only outdoors or in a well-ventilated area.
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing. (Optional)
P312: Call a POISON CENTER/doctor if you feel unwell. (Optional)
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331: Do NOT induce vomiting.
P403+P233: Store in a well-ventilated place. Keep container tightly closed. (Optional)
P405: Store locked up.
P501: Dispose of contents/container in accordance with local regulations.

Contains: isopropyl alcohol and isoparaffinic hydrocarbons.

2.3 Other Hazards
See section 12.5 for PBT and vPvB assessment results.

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances
Not applicable.

3.2 Mixtures
Chemical nature:
Mixture of isoparaffinic hydrocarbons with alcohol and solid methacrylic homopolymer.

Hazardous Components	Amount (%)	Classification (REGULATION (EC) No 1272/2008)	Hazard Statements
Deodorized isopropyl alcohol			
CAS No: 67-63-0 EC No: 200-661-7	40-60%	Flam. Liq. 2 Eye Irrit.2 STOT SE.3	H225 H319 H336
Isoparaffinic hydrocarbons, C11–13, isoalkanes, <2% aromatics			
Nº CE 920-901-0	30-40%	Asp. Tox.1	H304
Solid methacrylic homopolymer			
EC No: 924-135-8	10-20%	-	This substance is classified as non-hazardous under Regulation (EC) No 1272/2008 (CLP)

4 FIRST AID MEASURES

4.1 Description of first aid measures

GENERAL INSTRUCTIONS: Move the person to fresh air. Immediately remove contaminated clothing.

INGESTION: Do not induce vomiting. Do not give anything by mouth. If vomiting occurs spontaneously, keep the head below hip level to prevent aspiration. Call a doctor.

INHALATION: Move the affected person to fresh air and keep at rest. If breathing is irregular or stops, perform artificial respiration. If unconscious, place in a suitable recovery position. If recovery is not rapid, transport to the nearest medical facility for further treatment.

EYE CONTACT: Rinse eyes immediately with plenty of water for at least 15 minutes while keeping eyelids open. Seek medical attention. Avoid rubbing or closing the eyes. If the injured person wears contact lenses, remove them only if they are not stuck to the eyes, as this could cause further damage.

SKIN CONTACT: Immediately remove contaminated clothing. Wash the exposed area thoroughly with plenty of water and soap. Seek medical assistance. If the product causes burns or frostbite, do not remove clothing as it may worsen the injury if stuck to the skin. If blisters form, do not burst them to avoid infection.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: See Section 11 for more detailed information on health effects and symptoms.
Effects: See Section 11 for more detailed information on health effects and symptoms.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment: Treat symptomatically. No additional information available.

5 FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical powder, or carbon dioxide.
Unsuitable extinguishing media: High-volume water jet.

5.2 Special hazards arising from the substance or mixture

Specific hazards in firefighting:
The product is insoluble and floats on water.
Vapors are heavier than air and spread along the ground.
Vapor/air mixtures may be explosive under intense heating

5.3 Advice for firefighters

Special protective equipment for firefighting personnel:
In case of fire, wear self-contained breathing apparatus.
Wear appropriate full-body protective gear.

Additional advice:
Cool closed containers exposed to fire with water spray.
Collect extinguishing water separately; do not allow it to enter the sewage system.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Keep people away from the spill area and upwind. Avoid contact with eyes and skin.

6.2 Environmental precautions
Do not discharge into surface water or sewage systems. If the product contaminates rivers, lakes, or sewers, notify the appropriate authorities. Prevent penetration into the ground. Local authorities must be informed if significant spills cannot be contained.

6.3 Methods and materials for containment and cleaning up
Absorb with suitable material (sand, diatomaceous earth, acid binder, universal binder). Dispose of the product and its container as hazardous waste. Ensure proper ventilation.

6.4 Reference to other sections
For exposure control and personal protection measures, see Section 8.
For waste disposal, follow the recommendations in Section 13.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling
Keep the container tightly closed. Handle and open the container with care. Ensure adequate ventilation, especially in enclosed spaces. If ventilation is insufficient, use appropriate respiratory equipment.

Avoid contact with skin, eyes, and clothing. Wash hands before breaks and after finishing work. Keep away from food, drink, and animal feed.

7.2 Conditions for safe storage, including any incompatibilities
Technical requirements for storage and containers:

Suitable materials for containers: Stainless steel; polyethylene.
Unsuitable materials for containers: Natural rubber; butyl rubber.
Fire and explosion protection guidelines:

Keep away from open flames or sources of sparks – No smoking.
Take measures to prevent the build-up of electrostatic charges.
Use explosion-proof equipment.
Additional storage information:

Store tightly closed in a dry, cool place.
Keep away from direct sunlight.
Storage compatibility: Incompatible with oxidizing agents.

7.3 Specific end uses
No data available.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters
Exposure limit: No data available.

8.2 Exposure controls

Technical measures	Ensure adequate ventilation, which can be achieved through good local exhaust ventilation and a general extraction system.
Respiratory protection	In case of high concentrations (see OEL), use self-contained breathing apparatus with a filter for organic vapors. CE-marked. The mask should have a wide field of vision and an anatomical shape to ensure tightness and sealing.

Hand protection	Protective rubber gloves.
Eye protection	Full protective goggles.
Skin protection	If splashes are expected, use full protective clothing.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state: Liquid
Color: Characteristic
Odor: No data available
pH: No test data available
Boiling point/range: 82–83 ºC
Flash point: 12 ºC (Closed cup) / 18 ºC (Open cup)
Melting point: –88.9 ºC
Explosive properties: Not explosive
Oxidizing properties: Not oxidizing
Relative density: 0.784–0.786 g/cm³
Water solubility: Fully miscible at 20 ºC
Partition coefficient (n-octanol/water): 0.05
Viscosity: 2.4 mPa·s at 20 ºC
Vapor density: 2 at 20 ºC (air = 1)
Evaporation rate: 1.5 (n-butyl acetate = 1)
Electrical conductivity: 6 micro S/m at 20 ºC
Heat of combustion: 33,380 kJ/kg
Odor threshold: No test data available
Lower explosion limit: 2 % vol.
Upper explosion limit: 12 % vol.
Decomposition temperature: No test data available
Relative vapor density: No data available
Particle characteristics: The molecule does not contain chemical groups associated with explosive properties.

9.2 Other information

No additional information available.

10 STABILITY AND REACTIVITY

10.1 Reactivity

No hazardous reactions are expected if the technical instructions for storage are followed.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to avoid

Keep away from direct sunlight. Heat, flames, and sparks. Direct sources of heat.

10.5 Incompatible materials

Strong oxidizing agents.

10.6 Hazardous decomposition products

None under normal storage conditions.

11 TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological data	No data available.
Skin corrosion	Degreases the skin. Prolonged contact may cause skin irritation and/or dermatitis.
Eye damage	Causes eye discomfort but does not damage eye tissues.
Respiratory sensitization	Inhalation of vapors may cause respiratory irritation in highly sensitive individuals. May cause headache and dizziness.

11.2 Information on other hazards

Endocrine-disrupting properties: No potential for endocrine system disruption.
Other hazards: None known.

12 ECOLOGICAL INFORMATION

12.1 Toxicity

No data available.

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

According to Annex XII of Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH):
This product does not meet the criteria for classification as PBT (Persistent, Bioaccumulative and Toxic) or vPvB (very Persistent and very Bioaccumulative).

12.6 ndocrine disrupting properties

Not classified as CMR. No potential for endocrine system disruption.

12.7 Other adverse effects

Not potentially hazardous to the ozone layer.

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product:
Recover or recycle if possible.

Contaminated packaging:
Disposal must be carried out in accordance with applicable regional, national, and local laws and regulations.

14 TRANSPORT INFORMATION

This product is not classified as dangerous goods for ADR, RID, IMDG, or IATA.

14.1 UN number or ID number UN1133

14.2 UN proper shipping name

Description: ADHESIVES

14.3 Transport hazard class(es) **3**
LABEL **3**

14.4 Packing group II

14.5 Environmental hazards Not applicable.

Air transport (IATA):

EXCEPTED QUANTITIES:
E2 (containers under 30g/30mL and max package quantity 500g/500mL)

LIMITED QUANTITIES (PACKING INSTRUCTION Y341):

Inner packaging: PLASTIC
Max net quantity per inner packaging: 0.5L
Max net quantity per package: 1L
Packing instruction Y341: other requirements in accordance with sections 5.0.2.7, 5.0.2.9, and subsection 2.7 of IATA DGR 54

14.6 Special precautions for user
Not applicable.

14.7 Maritime transport in bulk according to IMO instruments
Not applicable.

15 REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
This safety data sheet has been prepared in accordance with Regulation (EC) No 1272/2008 of the European Parliament and Council of 16 December 2008 on classification, labeling and packaging of substances and mixtures (CLP).

The product is not affected by Regulation (EC) No 1005/2009 of the European Parliament and Council of 29 June 2000 on substances that deplete the ozone layer.

Regulation (EU) No 649/2012 concerning the export and import of hazardous chemicals: not relevant.

Active substances included in Article 95 of Regulation (EU) No 528/2012: not relevant.

15.2. Chemical safety assessment
The Chemical Safety Assessment has not yet been carried out due to registration deadlines.

16 OTHER INFORMATION

This product must be stored, handled, and used in accordance with good hygiene practices. This information reflects current knowledge. It describes the product and should not be interpreted as a sales specification.

Its use does not exempt compliance with current legal regulations.

The use of this information and the conditions of use of the product are the sole responsibility of the user.

Sources of information: Safety data sheets from our suppliers, which we refer to in good faith.