



SAFETY DATA SHEET

(In accordance with Regulation (EC) No. 1907/2006)

HARDENER

Last update: 1-6-2023

Version 1

1 IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE COMPANY OR BUSSINESS

1.1 Product identifier

A.MIG-2262 HARDENER

1.2 Identified relevant uses of the substance or mixture and uses advised against

Lacquer catalyst for modelling.

1.3 Details of the supplier of the safety data sheet

AMMO of Mig Jiménez, S.L.

AV/ Villatuerta, 31 VILLATUERTA (NAVARRA)

Telephone 948552882

WEB: www.migjimenez.com

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1.4 Emergency phone number

Telephone 948552882 (office hours)

2 HAZARD 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
Acute Tox	Category 4	Acute toxicity (Harmful if inhaled)	H332
Aquatic Chronic 3	Category 3	Harmful to aquatic life with long-lasting effects	H412
Flam. Liq 3	Category 3	Flammable liquid and vapour	H226
Skin sens 1	Category 1	May cause an allergic skin reaction	H317
STOT SE 3	Category 3	May cause drowsiness or dizziness	H336
STOT SE 3	Category 3	May cause respiratory irritation	H335



2.2 Label elements

According to Regulation (EU) No 1272/2008:



Signal Word: DANGER

Hazard statements:

H332 Harmful if inhaled
H412 Harmful to aquatic life with long-lasting effects
H226 Flammable liquid and vapour
H317 May cause an allergic skin reaction
H335 May cause respiratory irritation
H336 May cause drowsiness or dizziness

Precautionary statements:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352: IF ON SKIN wash with plenty of soap and water.
P304+P340: IF INHALED remove victim to fresh air and keep at rest in a position comfortable for breathing.
P370 + P378 In case of fire use EXTINGUISHER POWDER for extinguishing.
P501 Dispose of contents/container in accordance with local regulations.

Additional hazard statements:

EUH066 Repeated exposure may cause skin dryness or cracking.
EUH204 contains isocyanates. May cause an allergic reaction.

Substances contributing to classification:

Hexamethylene diisocyanate oligomers (<0.1% O=C=N-R-N=C=O); N-butyl acetate; Hepta-2-one;
Naphtha solvent (petroleum) light aromatic fraction >1% EC 200-753-7.

2.3 Other hazards

See section 12.5 for the results of the PBT and vPvB assessment.

3 COMPOSITION/INFORMATION ON COMPONENTS

3.1 Substances

Not applicable

3.2 Mixtures



Chemical nature:

mixture based on additives and resins in solvents.

Hazardous components		Quantity (%)	
CAS: 28182-81-2 EC: 931-274-8 Index: not applicable REACH: 01-2119485796-17-xxxx	Hexamethylene diisocyanate oligomers (<0.1% O=C=N-R-N=C=O)	50-<100%	Acute Tox 4: H332 Skin Sens. 1: H317 STOT SE 3: H335
CAS: 123-86-4 CE: 204-658-1 Index: 607-025-00-1 REACH: 01-2119485493-29-xxxx	1-Methyl-2-methoxyethyl acetate	10-<25%	Flam. Liq.3: H226 STOT SE 3: H336
CAS: 110-43-0 CE: 203-767-1 Index: 606-024-00-3 REACH: 01-2119902391-49-xxxx	Heptan-2-one	10-<25%	Acute Tox 4: H302+H332 Flam 3: H226
CAS: 64742-95-2 CE: 265-199-0 Index: 649-365-00-4 REACH: 01-2119486773-24-xxxx	Naphtha solvent (petroleum) light aromatic fraction >1% EC 200-753-7	2.5-<5%	Aquatic Chronic 2: H411 ASP. Tox 1: H304 Flam. Liq.3: H226 Skin Irrit. 2: H315 STOT SE 3: H336 EUH066

4 FIRST AID

4.1 Description of first aid measures

GENERAL INDICATIONS: Remove person to fresh air. Remove/take off immediately all contaminated clothing.

INGESTION: Do not induce vomiting. Do not give anything by mouth. If vomiting occurs spontaneously, keep the head below hip height to avoid aspiration of material into lungs. Seek medical attention immediately.

INHALATION: Remove the affected person to fresh air and keep the victim at rest. If breathing is irregular or has stopped, administer artificial respiration. If unconscious, place in proper recovery position. If there is no quick recovery, arrange for transport to the nearest medical facility to continue treatment.

EYE CONTACT:

Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Arrange for transport to the nearest medical facility.

Prevent the affected person from rubbing or closing their eyes. If the affected person is wearing contact lenses, remove them unless they are stuck to the eyes, otherwise additional damage may occur.

SKIN CONTACT: Remove contaminated clothing immediately. Wash the exposed area immediately with plenty of soap and water. Seek medical attention. If the product causes burns or frostbite, do not remove clothing because it could cause more damage if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of 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 medical care and special treatment to be provided immediately.



Treatment: Treat symptomatically. No additional information available.

5 FIRE-FIGHTING MEASURES

5.1 Extinguishing media.

Appropriate extinguishing media: Use water spray, alcohol resistant foam, dry powder or carbon dioxide.

Unsuitable extinguishing media: Large volume water jet

5.2 Specific hazards arising from the substance or mixture.

Specific hazards during firefighting: The product is insoluble and floats in water. Vapours are heavier than air and spread along the ground. Steam/water mixtures are explosive with intense heating.

5.3 Recommendations for firefighting personnel.

Special protective equipment for firefighting personnel: In case of fire, wear self-contained breathing apparatus. Wear proper body protection (full protective suit).

Additional remarks: Cool closed containers exposed to fire with water spray. Collect contaminated fire-fighting water separately. It must not 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 and upwind of spill/leak. Avoid contact with eyes and skin.

6.2 Environmental precautions.

Do not discharge to surface water or the sewer system. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities. Do not allow to enter into subsoil. Local authorities should be informed if significant spillages cannot be contained.

6.3 Containment and cleaning up methods and materials.

Remove with absorbent material (sand, kieselgur, acid binder, universal binder). Dispose of absorbed material and its container as hazardous waste. Ensure proper ventilation.

6.4 Reference to other sections.

For exposure control and individual protective measures, see section 8.
For waste disposal, follow the recommendations in section 13.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling.

Keep container tightly closed. Handle and open the container with care. Ensure adequate ventilation, especially in confined areas. In case of insufficient ventilation, wear suitable respiratory equipment.

Avoid contact with eyes, skin, and clothing. Wash hands before breaks and at the end of the workday. Keep away from food, drink and animal feeding stuffs.



7.2 Secure storage requirements, including possible incompatibilities.

Technical requirements for warehouses and containers: Suitable materials for containers: Stainless steel; polyethylene; Unsuitable materials for containers: natural rubber; butyl rubber.

Indications for fire and explosion protection: Keep away from open flames, sparks and other ignition sources - Do not smoke. Take measures to prevent the buildup of electrostatic charges. Use explosion-proof equipment.

Additional information on storage conditions: Store tightly closed in a dry and cool place. Keep away from direct sunlight. Information about separation of incompatible products: Incompatible with oxidizing agents.

7.3 Specific End Uses.

No further relevant information available.

8 EXPOSURE/PERSONAL PROTECTION CONTROLS

8.1 Control parameters

Exposure limit: no data available.

8.2 Exposure controls

Technical measures	Provide suitable ventilation, which can be achieved by good local ventilation-extraction and an appropriate extraction system.
Respiratory protection	In case of high concentrations (see OEL) use self-contained breathing apparatus equipped with organic vapour cartridge. "CE" marking. The mask must provide a wide field of vision and have an anatomical shape to ensure a tight fit.
Hand protection	Protective rubber gloves.
Eye protection	Chemical safety goggles.
Skin protection	If splashes/sprays can occur when using, use full protective equipment.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical Condition: Liquid

Colour: Colourless

Odor: solvent.

Melting point: no data.

Boiling point: 131 °C

Flammability: no data.

Upper and lower explosive limit: no data

Flash point: 32°C

Auto-ignition temperature: 393 °C

Decomposition temperature: No data available.

pH (1% H₂O): No data.

Kinematic viscosity: 48 mm²/s (20 °C)

Solubility in water: no data.

n-octanol/water partition coefficient (log Pow): no data available



Vapour pressure (20 °C): 803 Pa (20 °C)

Relative density: 1.02-1.04 (20 °C)

Relative vapour density: no data

Characteristics of the particles: In the molecule there are no chemical groups associated with explosive properties.

9.2 Other information:

No additional information.

10 STABILITY AND REACTIVITY

10.1 Reactivity

No dangerous reactions expected if the technical storage conditions are followed.

10.2 Chemical stability

Stable under normal storage and handling conditions.

10.3 Possibility of dangerous reactions

No information available.

10.4 Conditions to be avoided

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

10.5 Incompatible Materials

Acidic agents and strong bases.

10.6 Hazardous decomposition products

None under normal storage conditions.

11 TOXICOLOGICAL INFORMATION

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

Toxicological data No data.

Skin corrosion: Prolonged contact with the skin can cause skin irritation and/or dermatitis.

Eye damage: Causes discomfort in the eyes but does not damage the eye tissues.

Respiratory sensitization: Inhalation of vapours can cause irritation of the respiratory tract in highly susceptible people. Headache and dizziness may occur.

11.2 Information about additional hazards

Endocrine disrupting properties: has no endocrine disrupting potential.

Other dangers: not known.



12 ECOLOGICAL INFORMATION

12.1 Ecotoxicity

No data available.

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulation potential

No data available.

12.4 Mobility

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Endocrine disrupting properties

No data available.

12.7 Other side effects

No data available.

13 DISPOSAL CONSIDERATIONS

13.1 Methods for waste treatment

Product:

Recover or recycle if possible.

Contaminated containers:

Disposal must be carried out in accordance with existing regional, national and local laws and regulations.

14 TRANSPORT INFORMATION

Non-hazardous goods according to ADR, RID, IMDG and IATA.

14.1 UN Number or ID Number

UN1263.

14.2 Official United Nations shipping designation

PAINTING PRODUCT.

14.3 Transport hazard class(es)

LABEL

3.
3.

14.4 Packaging group

III.



Environmental hazards

No.

14.6 Special precautions for users:

Special provisions: 163, 367, 650
Tunnel Restriction Code: D/E.
Physical and chemical properties: See section 9
Limited quantities: 5L

14.7 Maritime bulk transport under IMO instruments:

Not applicable.

15 REGULATORY INFORMATION

15.1 Safety, health and environmental regulations and legislation specific to the substance or mixture

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (CLP) has been taken into account for the preparation of this safety data sheet.

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

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

Active substances which have been included in Article 95 of EU Regulation No. 528/2012: Not relevant.

15.2. Chemical safety assessment

The Chemical Safety study has not yet been carried out due to registration deadlines.

16 OTHER INFORMATION

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

Its application does not exclude compliance with current Legal Regulations.

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

Information sources: Safety data sheets from our suppliers, to whose knowledge we kindly refer.