

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1. Product identifier**

Product name : Acoulime 3 in1 (A-J240)

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

Adhesive.

Use descriptor system (REACH) :

SU: 0 - PC: 1.0, 21.0 - PROC: 15

SU: 17, 19 - PC: 1.0 - PROC: 8a, 8b, 10 - ERC: 5, 8b

SU: 10 - PC: 1.0 - PROC: 3, 4, 5, 8a, 8b, 9 - ERC: 2

1.3. Details of the supplier of the safety data sheet

Registered company name : L&L Products of Europe SAS.

Address : 1, rue Lindberg - ZA Activeum - Altorf.67129.MOLSHEIM Cedex.FRANCE.

Telephone : +33 (0)3 88 47 95 95. Fax : +33 (0)3 88 49 83 82.

Email : info.europe@llproducts.com

<http://www.llproducts.com>

1.4. Emergency telephone number : +33 (0)1 45 42 59 59.

Association/Organisation : INRS / ORFILA <http://www.centres-antipoison.net>.

SECTION 2 : HAZARDS IDENTIFICATION**2.1. Classification of the substance or mixture**

In compliance with EC regulation No. 1272/2008 and its amendments.

May produce an allergic reaction (EUH208).

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements

In compliance with EC regulation No. 1272/2008 and its amendments.

Additional labeling :

EUH208 Contains N-(3-(TRIMETHOXYSILYL)PROPYL)ETHYLENEDIAMINE.

May produce an allergic reaction.

EUH210 Safety data sheet available on request.

2.3. Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) \geq 0.1% published by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>.

The mixture fulfils neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures Composition

Identification	(EC) 1272/2008	Note	%
CAS: 1760-24-3 EC: 217-164-6 REACH: 01-2119970215-39 N-(3-(TRIMETHOXYSYLYL)PROPYL)ETHYL ENEDIAMINE	GHS05, GHS07 Dgr Skin Sens. 1, H317 Eye Dam. 1, H318 STOT SE 3, H335		0 ≤ x % < 1

(Full text of H-phrases: see section 16)

Information on ingredients:	
CAS: 67-56-1 EC: 200-659-6	METHANOL

SECTION 4 : FIRST AID MEASURES

AS A GENERAL RULE, IN CASE OF DOUBT OR IF SYMPTOMS PERSIST, ALWAYS CALL A DOCTOR. NEVER INDUCE SWALLOWING BY AN UNCONSCIOUS PERSON.

4.1. Description of first aid measures

In the event of exposure by inhalation :

In the event of an allergic reaction, seek medical attention.

If inhaled, move the patient into the fresh air and keep warm and at rest.

In the event of splashes or contact with eyes :

Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open.

In the event of splashes or contact with skin :

In the event of an allergic reaction, seek medical attention.

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.

Contact a doctor.

In the event of swallowing :

Seek medical attention, showing the label.

4.2. Most important symptoms and effects, both acute and delayed

No data available.

4.3. Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

Suitable methods of extinction

In the event of a fire, use :

- carbon dioxide (CO₂)
- foam
- powder
- sprayed water or water mist

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO₂)
- nitrogen oxide (NO)
- nitrogen dioxide (NO₂)

5.3. Advice for firefighters

Due to the toxicity of the gas emitted on thermal decomposition of the products, fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For first aid worker :

First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections

No data available

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Fire prevention :

Prevent access by unauthorised personnel.

Recommended equipment and procedures :

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

No data available.

Storage

Storage class: 10 (TRGS 510 - Germany).

Packaging :

Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)

No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits :

Switzerland (SUVAPRO 2017) :

CAS:	VME	VLE	Valeur plafond	Notations
67-56-1	200 ppm 260 mg/m ³	800 ppm 1040 mg/m ³		R B SSC

Germany - AGW (BAuA - TRGS 900, 29/01/2018) :

CAS:	VME	VME	Excess	Notes
67-56-1		200 ppm 270 mg/m ³		4(II)

Belgium - (Arrete du 09/03/2014, 2014) :

CAS:	TWA	STEL	Ceiling	Definition	Criteria
67-56-1	200 ppm 266 mg/m ³	250 ppm 333 mg/m ³		D	

UK / WEL (Workplace exposure limits, EH40/2005, 2011) :

CAS:	TWA	STEL	Ceiling	Definition	Criteria
67-56-1	200 ppm 266 mg/m ³	250 ppm 333 mg/m ³		Sk	

ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :

CAS:	TWA	STEL	Ceiling	Definition	Criteria
67-56-1	200 ppm	250 ppm		Skin; BEI	

European Union (2017/2398, 2017/164, 2009/161, 2006/15/CE, 98/24/CE) :

CAS:	VME-mg/m ³	VME-ppm	VLE-mg/m ³	VLE-ppm	Notes
67-56-1	260	200	200		Peau

France (INRS - ED984 :2016) :

CAS:	VME-ppm	VME-mg/m ³	VLE-ppm	VLE-mg/m ³	Notes	TMP No
67-56-1	200	260	1000	1300	(12)	84

Derived no effect level (DNEL) or derived minimum effect level (DMEL):

N-(3-(TRIMETHOXYSILYL)PROPYL)ETHYLENEDIAMINE (CAS: 1760-24-3)

Final use Workers.

Exposure method: Dermal contact.
 Potential health effects: Short term systemic effects.
 DNEL : 5 mg/kg body weight/day

Exposure method: Dermal contact.
 Potential health effects: Long term systemic effects.
 DNEL : 5 mg/kg body weight/day

Exposure method: Inhalation.
 Potential health effects: Long term systemic effects.
 DNEL : 35.3 mg of substance/m³

Final use Consumers.

Exposure method: Dermal contact.
 Potential health effects: Short term systemic effects.
 DNEL : 17 mg/kg body weight/day

Exposure method: Dermal contact.
 Potential health effects: Long term systemic effects.
 DNEL : 2.5 mg/kg body weight/day

Exposure method: Inhalation.
 Potential health effects: Long term systemic effects.
 DNEL : 8.7 mg of substance/m³

Predicted no effect concentration (PNEC):

N-(3-(TRIMETHOXYSILYL)PROPYL)ETHYLENEDIAMINE (CAS: 1760-24-3)

Environmental compartment:	PNEC : Soil.	0.0085 mg/kg
Environmental compartment:	PNEC : Fresh water.	0.062 mg/l
Environmental compartment:	PNEC : Sea water.	0.0062 mg/l
Environmental compartment:	PNEC : Intermittent waste water.	0.62 mg/l
Environmental compartment:	PNEC : Fresh water sediment.	0.22 mg/kg
Environmental compartment:	PNEC : Marine sediment.	0.022 mg/kg
Environmental compartment:	PNEC : Waste water treatment plant.	25 mg/l

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE):



Use personal protective equipment that is clean and has been properly maintained. Store personal protective equipment in a clean place, away from the work area. Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

Eye / face protection

Avoid contact with eyes. Use eye protectors designed to protect against liquid splashes. Before handling, wear safety goggles in accordance with standard EN166.

Hand protection

Wear suitable protective gloves in the event of prolonged or repeated skin contact.

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Type of gloves recommended :

Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR)) Butyl Rubber (Isobutylene-isoprene copolymer)

Recommended properties : Impervious gloves in accordance with standard EN374

Body protection

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

Respiratory protection

Anti-gas and vapour filter(s) (Combined filters) in accordance with standard EN14387 : -A

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties**

General information :

Physical state : Paste.

Colour: Brown.

Odour: Characteristic.

Important health, safety and environmental information

pH : Not relevant.

Flash point interval : Not relevant.

Vapour pressure (50°C) : Not relevant.

Density : 1.7

Water solubility : Insoluble.

Viscosity : 17000 -27000 cPs

% VOC : 0

9.2. Other information

No data available.

SECTION 10 : STABILITY AND REACTIVITY**10.1. Reactivity**

Product reacts slowly with water (ambient humidity) turning into a rubbery solid and producing METHANOL.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Avoid : humidity

10.5. Incompatible materials

Keep away from : water

10.6. Hazardous decomposition products

The thermal decomposition may release/form:

carbon monoxide (CO), - carbon dioxide (CO₂), - nitrogen oxide (NO), - nitrogen dioxide (NO₂).

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

No data available.

11.1.1. Substances

No toxicological data available for the substances.

11.1.2. Mixture Respiratory or skin sensitisation :

Contains at least one sensitising substance. May cause an allergic reaction.

SECTION 12 : ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability

12.2.1. Substances

N-(3-(TRIMETHOXYSILYL)PROPYL)ETHYLENEDIAMINE (CAS: 1760-24-3)

Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

German regulations concerning the classification of hazards for water (WGK, AwSV vom 18/04/2017, KBws) :

Nicht wassergefährdend : Not hazardous for water.

SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals. Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company. Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :

Empty container completely. Keep label(s) on container. Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION

Exempt from transport classification and labelling.

- 14.1. UN number**
- 14.2. UN proper shipping name**
- 14.3. Transport hazard class(es)**
- 14.4. Packing group**
- 14.5. Environmental hazards**
- 14.6. Special precautions for user**

SECTION 15 : REGULATORY INFORMATION

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Classification and labelling information included in section 2:

The following regulations have been used:

EU Regulation No. 1272/2008 amended by EU Regulation No. 2018/1480 (ATP 13)

EU Regulation No. 1272/2008 amended by EU Regulation No. 2019/521 (ATP 12)

-Container information:

No data available.

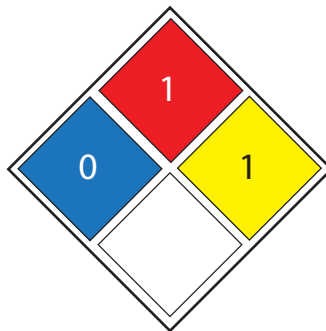
-Particular provisions :

No data available.

-German regulations concerning the classification of hazards for water (WGK, AwSV vom 18/04/2017, KBws) :
 Nicht wassergefährdend : Not hazardous for water.

-Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704) :

NFPA 704, Labelling: Health=0 Inflammability=1 Instability/Reactivity=1 Specific Risk=none



15.2. Chemical safety assessment

No data available.

SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Wording of the phrases mentioned in section 3 :

H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.

Abbreviations :

DNEL :	Derived No-Effect Level
PNEC :	Predicted No-Effect Concentration
ERC 2 -	Formulation of preparations
ERC 5 -	Industrial use resulting in inclusion into or onto a matrix
ERC 8b -	Wide dispersive indoor use of reactive substances in open systems
PC 1 -	Adhesives, sealants
PC 21 -	Laboratory chemicals
PROC 10 -	Roller application or brushing
PROC 15 -	Use as laboratory reagent
PROC 3 -	Use in closed batch process (synthesis or formulation)
PROC 4 -	Use in batch and other process (synthesis) where opportunity for exposure arises
PROC 5 -	Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)
PROC 8a -	Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities.
PROC 8b -	Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities
PROC 9 -	Transfer of substance or preparation into small containers (dedicated filling line, including weighing)
SU 0 -	Other
SU 10 -	Formulation [mixing] of preparations and/or repackaging (excluding alloys)
SU 17 -	General manufacturing, e.g. machinery, equipment, vehicles, other transport equipment
SU 19 -	Building and construction work
ADR :	European agreement concerning the international carriage of dangerous goods by Road.
IMDG :	International Maritime Dangerous Goods.
IATA :	International Air Transport Association.
ICAO :	International Civil Aviation Organisation
RID :	Regulations concerning the International carriage of Dangerous goods by rail.
WGK :	Wassergefährdungsklasse (Water Hazard Class).
PBT:	Persistent, bioaccumulable and toxic.
vPvB :	Very persistent, very bioaccumulable.
SVHC :	Substances of very high concern.