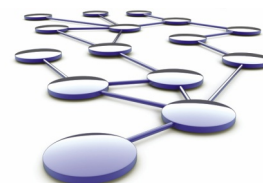


**ARC FLEXIBLE
LEAD SEALANT**



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

1.1 Product identifier: ARC FLEXIBLE LEAD SEALANT

1.2 Relevant identified uses of the substance or mixture:

Relevant uses: PC1: Adhesives, sealants.

1.3 Details of the supplier of the safety data sheet:

Arc Building Products
IDA Business & Technology Park,
Ballynattin, Arklow, Co. Wicklow, Ireland.
www.arcbuildingproducts.ie

Fax: +353 (0)402 24168

Tel: +353 (0)402 41200

Tel: +353 (0)402 32370

1.4 Emergency telephone number:

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

The product is not classified according to the CLP regulation.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC Not applicable.

Information concerning particular hazards for human and environment:

The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008 Void

· **Hazard pictograms** Void

· **Signal word** Void

· **Hazard statements** Void

· **Additional information:**

Contains 2-butanone oxime, 3-aminopropyltriethoxysilane. May produce an allergic reaction.

Safety data sheet available on request.

2.3. Other hazards

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

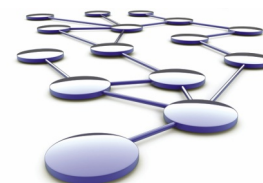
Chemical characterisation: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

· Dangerous components:		
EC number: 934-956-3	Distillates (petroleum), hydrotreated middle	10-<30%
Reg.nr.: 01-2119827000-58-xxxx	✘ Xn R65	
	⚠ Asp. Tox. 1, H304	

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

**ARC FLEXIBLE
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SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

4.1 Description of first aid measures

General information: No special measures required.

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: Generally the product does not irritate the skin.

After eye contact: Rinse opened eye for several minutes under running water.

After swallowing: If symptoms persist consult doctor.

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

No further relevant information available..

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

No further relevant information available..

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.

5.2. Special hazards arising from the substance or mixture

No further relevant information available.

5.3. Advice for fire-fighters

Protective equipment: Mouth respiratory protective device.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation

6.2. Environmental precautions

Do not allow to enter sewers/ surface or ground water.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Pick up mechanically.

6.4. Reference to other sections

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: ACCIDENTAL RELEASE MEASURES

7.1. Precautions for safe handling

Use only in well ventilated areas.

Information about fire - and explosion protection: No special measures required.

7.2. Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

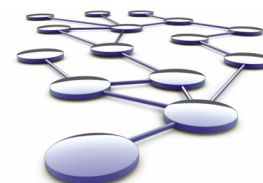
Further information about storage conditions: None.

7.3. Specific end use(s)

No further relevant information available.

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**ARC FLEXIBLE
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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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

8.1. Control parameters

Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

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

8.2. Exposure controls

Personal protective equipment:

General protective and hygienic measures:

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

Respiratory protection: Not required.

Protection of hands:

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

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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

Material of gloves

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.

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.

Eye protection: Goggles recommended during refilling

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General Information

Appearance:

Form: Pasty

Colour: Various colours

Odour: Characteristic

Odour threshold: Not determined.

pH-value: Undetermined.

Change in condition

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: > 300 °C

Flash point: > 100 °C

Flammability (solid, gaseous): Not applicable.

Ignition temperature: 200 °C

Decomposition temperature: Not determined.

Self-igniting: Product is not selfigniting.

Danger of explosion: Product does not present an explosion hazard.

Explosion limits:

Lower: Undetermined.

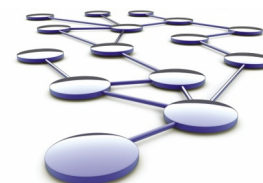
Upper: Undetermined.

Vapour pressure at 20 °C: 100 hPa

Undetermined.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Density at 20 °C: 0.97 g/cm³
Relative density: Not determined.
Vapour density: Not determined.
Evaporation rate: Not determined.

Solubility in / Miscibility with water: Not miscible or difficult to mix.

Partition coefficient (n-octanol/water): Not determined.

Viscosity:
Dynamic: Not determined.
Kinematic: Not determined.

Solvent content:
VOC (EC) VOC (EC) 0.00 %

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

10.2. Chemical stability

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.3. Possibility of hazardous reactions

No dangerous reactions known.

10.4. Conditions to avoid

No further relevant information available.

10.5. Incompatible materials

No further relevant information available.

10.6. Hazardous decomposition products

2-butanonoxim

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity:

LD/LC50 values relevant for classification:

Distillates (petroleum), hydrotreated middle

Oral	LD50	>2000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rabbit)

96-29-7 2-butanone oxime

Oral	LD50	3700 mg/kg (rat)
Dermal	LD50	200-2000 mg/kg (rat)
Inhalative	LC50/4	20 mg/l (rat)

Primary irritant effect:

on the skin: No irritant effect.

on the eye: No irritating effect.

Sensitisation: No sensitising effects known.

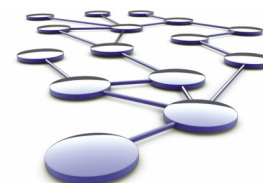
Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

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SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Aquatic toxicity: No further relevant information available.

12.2. Persistence and degradability

No further relevant information available.

12.3. Bioaccumulative potential

No further relevant information available.

12.4. Mobility in soil

No further relevant information available.

Additional ecological information:

General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

12.5. Results of PBT and vPvB assessment

· **PBT: Not applicable.**

· **vPvB: Not applicable.**

12.6. Other adverse effects

No further relevant information available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Recommendation Disposal must be made according to official regulations.

European waste catalogue

08 04 09* waste adhesives and sealants containing organic solvents or other dangerous substances

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number

ADR, ADN, IMDG, IATA Void

14.2. UN proper shipping name

ADR, ADN, IMDG, IATA Void

14.3. Transport hazard class(es)

ADR, ADN, IMDG, IATA

Class Void

14.4. Packing group

ADR, IMDG, IATA Void

14.5. Environmental hazards

Marine pollutant: No

14.6. Special precautions for user

Not applicable.

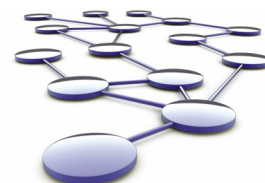
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

UN "Model Regulation": -

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**ARC FLEXIBLE
LEAD SEALANT**



SECTION 15: REGULATORY INFORMATION

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

Labelling of 'treated articles' according to Regulation (EU) 528/2012, Article 58

This product contains a biocidal product for the preservation of the dry film.

Contains: 2-octyl-2H-isothiazol-3-one (CAS: 26530-20-1)

National regulations:

Other regulations, limitations and prohibitive regulations

15.2. Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16: OTHER INFORMATION

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 phrases

H304 May be fatal if swallowed and enters airways.

R65 Harmful: may cause lung damage if swallowed.

Department issuing MSDS: Product safety department.

Contact: Pascal Timmermans / Kees van Bommel

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International

Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Asp. Tox. 1: Aspiration hazard, Hazard Category 1

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