

## Safety Data Sheet

### LOTRYL® Alkyl Acrylate

Publication : 2019-01-23

Document type	Name	Last data update	Version	Page
Safety data sheets	LOTRYL® Alkyl Acrylate	2019-01-22	4.2	<u>3</u>
Inventories	<u>Inventory</u>	2019-01-22	1.2	<u>9</u>



**Product:** **LOTRYL® Alkyl Acrylate**

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SDS No.: 001129-001 (Version 4.2)

Date 22.01.2019 (Cancel and replace : 06.01.2017)

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

Generic Safety Data Sheet

**1.1. Identification of the product****Identification of the mixture:** LOTRYL® Alkyl Acrylate

**Grades :** LOTRYL® 17BA04 / LOTRYL® 17BA07 / LOTRYL® 17BA07N / LOTRYL® 17BA07T / LOTRYL® 18MA02 / LOTRYL® 18MA02N / LOTRYL® 20MA08 / LOTRYL® 20MA08N / LOTRYL® 20MA08T / LOTRYL® 24MA005 / LOTRYL® 24MA02 / LOTRYL® 24MA02N / LOTRYL® 24MA02T / LOTRYL® 24MA07T / LOTRYL® 28BA175 / LOTRYL® 28BA175T / LOTRYL® 28BA700T / LOTRYL® 28MA07 / LOTRYL® 29MA03 / LOTRYL® 29MA03T / LOTRYL® 30BA02 / LOTRYL® 30BA02T / LOTRYL® 35BA320 / LOTRYL® 35BA320T / LOTRYL® 35BA40 / LOTRYL® 35BA40T / LOTRYL® BESTPEEL 2407 / LOTRYL® HMA / LOTRYL® HMA-LV /

**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of the Substance/Mixture :** Hotmelt adhesives and coatings, Films, Coextrusion, Compounds**1.3. Details of the supplier of the safety data sheet**

Supplier	ARKEMA Specialty chemicals - Functional Polyolefins 420 rue d'Estienne d'Orves 92705 Colombes Cedex, FRANCE Telephone: +33 (0)1 49 00 80 80 Telefax: +33 (0)1 49 00 83 96 E-mail address: pars-drp-fds@arkema.com <a href="http://www.arkema.com">http://www.arkema.com</a>
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**1.4. Emergency telephone number**

**+ 33 1 49 00 77 77**  
**European emergency phone number: 112**  
**UK: National Chemical Emergency Centre Tel: 01865 407 333**

**2. HAZARDS IDENTIFICATION****2.1. Classification of the substance or mixture****Classification (REGULATION (EC) No 1272/2008):**

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

**2.2. Label elements****Label elements (REGULATION (EC) No 1272/2008):**

No label necessary for this product.

**2.3. Other hazards****Potential health effects:**

Acute exposure: Contact with the product, when handled at high temperatures, can cause serious burns.  
Inhalation: At high temperature, products of thermal decomposition can be irritating to respiratory system  
Possible irritation of respiratory system (by dust inhalation).  
Skin contact: At high temperature, products of thermal decomposition can be irritating to skin  
Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. Possible cross sensitization with other acrylates and methacrylates  
Eye contact: At high temperature, products of thermal decomposition can be irritating to eyes

**Environmental Effects:**

Not biodegradable.

**Physical and chemical hazards:**

Thermal decomposition giving toxic products  
Decomposition products: See chapter 10

**Other:**

Results of PBT and vPvB assessment : Based on the available information, it is not possible to conclude on PBT and vPvB criteria according to REACH regulation, annex XIII.

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2. Mixtures

**Chemical nature of the mixture<sup>1</sup>:**

Ethylene and methyl acrylate copolymer (EMA) or Ethylene and Butyl Acrylate copolymer (EBA)  
Presence of additives (anti-oxidant - slip additives - antiblock additives)  
Possible presence of : Mineral load

<sup>1</sup>: See chapter 14 for Proper Shipping Name

<sup>2</sup>: See the text of the regulation for applicable exceptions or provisions -

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### 4. FIRST AID MEASURES

#### 4.1. Description of necessary first-aid measures:

**General advice:**

No hazards which require special first aid measures.

**Inhalation:**

Dust inhalation Inhalation of vapours from heated product: Inhalation of vapours due to thermal decomposition : Move to fresh air. Oxygen or artificial respiration if needed. In case of persistent problems : Consult a physician.

**Skin contact:**

Cool skin rapidly with cold water after contact with molten material. Remove product with vegetable oil or paraffin. In case of adhesion, do not try to remove the product. Treat the affected areas as thermal burns.

**Eye contact:**

Remove particles remaining under the eyelids. Wash well-open eyes immediately, abundantly and thoroughly with water. If irritation persists, consult an ophthalmologist.

**Ingestion:**

In case of problems : Consult a doctor.

#### 4.2. Most important symptoms/effects, acute and delayed: No data available.

#### 4.3. Indication of immediate medical attention and special treatment needed, if necessary: No data available.

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### 5. FIREFIGHTING MEASURES

#### 5.1. Extinguishing media

**Suitable extinguishing media:** Water spray, Foam, Carbon dioxide (CO<sub>2</sub>)

#### 5.2. Special hazards arising from the substance or mixture:

Thermal decomposition giving toxic products, Carbon monoxide, Carbon dioxide (CO<sub>2</sub>), Organic vapours, Nitrogen oxides (NO<sub>x</sub>)

#### 5.3. Advice for firefighters:

**Specific methods:**

Ensure a system for the rapid emptying of containers. In case of fire nearby, remove exposed containers.

**Special protective actions for fire-fighters:**

In the event of fire, wear self-contained breathing apparatus.

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### 6. ACCIDENTAL RELEASE MEASURES

#### 6.1. Personal precautions, protective equipment and emergency procedures:

Avoid contact with the skin and the eyes. Avoid breathing dust. Wear a dust mask and safety glasses/goggles if necessary. In case of insufficient ventilation, wear suitable respiratory equipment.

#### 6.2. Environmental precautions:

Do not release into the environment. Do not let product enter drains.

#### 6.3. Methods and materials for containment and cleaning up:

**Recovery:**

Shovel or sweep up. Shovel into suitable container for disposal.

**Elimination:**

Destroy the product by incineration (in accordance with local and national regulations). Recycle or incinerate at an approved waste disposal site. In accordance with local and national regulations.

**6.4. Reference to other sections:** None.

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**7. HANDLING AND STORAGE**

**7.1. Precautions for safe handling:**

**Hygiene measures:**

Avoid contact with the skin and the eyes. Avoid breathing dust. Product handled when hot : Avoid inhalation of vapours. When using do not eat, drink or smoke.

Wash hands after handling. Remove contaminated clothing and protective equipment before entering eating areas.

**7.2. Conditions for safe storage, including any incompatibilities:**

Remove all sources of ignition. Do not stack pallets on top of one another. Store away from moisture and heat to maintain the technical properties of the product. Provide earthing and safe electrical equipment.

**Packaging material:**

**Recommended:** Waterproof polyethylene bags, Cardboard containers

**7.3. Specific end use(s):** None.

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1. Control parameters:**

**Exposure Limit Values**

Not relevant

**Derived No Effect Level (DNEL):**

This information is not required.

**Predicted No Effect Concentration:**

This information is not required.

**8.2. Exposure controls:**

**General protective measures:**

Ensure ventilation of work areas and extraction of dust or vapours likely to be given off during conversion operations (product handled when hot).

**Personal protective equipment:**

Respiratory protection:

Wear a mask, if necessary.

Hand protection:

Gloves (product handled when hot)

Eye/face protection:

Safety glasses/goggles (product handled in molten state) - Wear face-shield and protective clothing in case of problems during processing

Skin and body protection:

Protective clothing (product handled when hot)

**Environmental exposure controls:** See chapter 6

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

**9.1. Information on basic physical and chemical properties**

**Appearance:**

**Physical state (20°C):**

solid

**Form:**

granules

**Colour:**

natural colour

**Odour:**

ester-like

**Olfactory threshold:**

No data available

**pH:**

Not applicable

**Melting point/range :**

60 - 100 °C

**Softening point :**

VICAT 30 - 65 °C

**Boiling point/boiling range :**

Not applicable

**Flash point:**

Not applicable

**Evaporation rate:**

Not relevant

Flammability (solid, gas):	No data available.
Vapour pressure:	Not applicable
Vapour density:	Not applicable
Density:	920 - 980 kg/m <sup>3</sup> , at 20 °C
Bulk density:	approximately 500 kg/m <sup>3</sup> , at 20 °C
Water solubility:	insoluble at 20 °C
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	approximately 350 °C (Standard ASTM 19-29)
Decomposition temperature:	> 350 °C
Viscosity, dynamic:	Not applicable
Explosive properties:	
Explosivity:	Not relevant (due to physical form)
Oxidizing properties:	Not relevant (due to its chemical structure)

9.2. Other data: None.

## 10. STABILITY AND REACTIVITY

10.1. Reactivity: No data available.

10.2. Chemical stability:  
The product is stable under normal handling and storage conditions.

10.3. Possibility of hazardous reactions: No data available.

10.4. Conditions to avoid:  
Store protected from moisture and heat.  
Temperatures above 30 °C  
(to maintain the technical properties of the product).

10.5. Incompatible materials to avoid: No data available.

10.6. Hazardous decomposition products:

**Thermal decomposition:**  
Decomposition temperature: > 350 °C  
Thermal decomposition giving toxic products, Carbon monoxide, Carbon dioxide (CO<sub>2</sub>), Organic vapours, Nitrogen oxides (NO<sub>x</sub>)

## 11. TOXICOLOGICAL INFORMATION

All available data on this product and/or the components quoted in section 3 and/or the analogue substances/metabolites have been taken into account for the hazard assessment.

11.1. Information on toxicological effects:

### Acute toxicity:

Ingestion: Polymer: Can be considered as : Slightly harmful by ingestion  
Dermal: Polymer: Can be considered as : Slightly harmful in contact with skin

### Local effects ( Corrosion / Irritation / Serious eye damage ):

Skin contact: Polymer: Can be considered as : Non irritating to skin  
Contact with the product, when handled at high temperatures, can cause serious burns., At high temperature, products of thermal decomposition can be irritating to skin  
Eye contact: Polymer: Can be considered as : Not irritating to the eyes.  
Contact with the product, when handled at high temperatures, can cause serious burns., At high temperature, products of thermal decomposition can be irritating to eyes

### Respiratory or skin sensitisation:

Inhalation: No data available.  
Skin contact: Traces of :, Residual monomers  
• In man : Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.  
Possible cross sensitization with other acrylates and methacrylates

**CMR effects :**

**Mutagenicity:** No data available.

**Carcinogenicity:** **Polymer: No particular problems for man**

**Reproductive toxicity:** No data available.

**Specific target organ toxicity :**

**Single exposure :**

**Inhalation:**

Dust inhalation: , Possible irritation of respiratory system  
At high temperature, products of thermal decomposition can be irritating to respiratory system

**Repeated exposure:**

**Polymer: No particular problems for man**

**Aspiration hazard:**

Not applicable

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**12. ECOLOGICAL INFORMATION**

Ecotoxicology Assessment: All available and relevant data on this product and/or the components quoted in section 3 and/or the analogue substances/metabolites have been taken into account for the hazard assessment.

**12.1. Acute toxicity :**

**Fish:**

No data available

**Aquatic invertebrates:**

No data available

**Aquatic plants:**

No data available

**Microorganisms:**

No data available

**12.2. Persistence and degradability :**

**Biodegradation (In water):**

**Inert polymer Not biodegradable on the basis of its structure**

**12.3. Bioaccumulative potential :**

No data available

**12.4. Mobility in soil - Distribution among environmental compartments:**

**Vapor pressure:**

Not applicable,

**12.5. Results of PBT and vPvB assessment :**

Based on the available information, it is not possible to conclude on PBT and vPvB criteria according to REACH regulation, annex XIII.

**12.6. Other adverse effects:** None known.

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**13. DISPOSAL CONSIDERATIONS**

**13.1. Waste treatment:**

**Disposal of product:**

Destroy the product by incineration (in accordance with local and national regulations).

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**14. TRANSPORT INFORMATION**

Not classified as dangerous in the meaning of transport regulations.

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**15. REGULATORY INFORMATION**

Safety data sheets: accordance with Annex II of Regulation (EC) No 1907/2006 and its amendment(s)

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

UK REGULATION

Chip3: Chemical (Hazard Information and Packaging for Supply) Regulations 2002

Major Accident Hazard Legislation

Not applicable

**15.2. Chemical safety assessment:**

This information is not required.

**INVENTORIES:**

For the inventory details, see Appendix.

**16. OTHER INFORMATION**

**Update:**

Safety datasheet sections which have been updated:		Type:
1	Grades	Additions
2	2. HAZARDS IDENTIFICATION	Additions
12	12. ECOLOGICAL INFORMATION	Revisions
15	Inventories	Additions

**Thesaurus:**

NOAEL : No Observed Adverse Effect Level (NOAEL)

LOAEL : Lowest Observed Adverse Effect Level (LOAEL)

bw : Body weight

food : oral feed

dw : Dry weight

vPvB : very Persistent and very Bioaccumulative

PBT : Persistent, Bioaccumulative and Toxic

This information applies to the PRODUCT AS SUCH and conforming to specifications of ARKEMA. In case of formulations or mixtures, it is necessary to ascertain that a new danger will not appear. The information contained is based on our knowledge of the product, at the date of publishing and it is given quite sincerely. Users are advised of possible additional hazards when the product is used in applications for which it was not intended. This sheet shall only be used and reproduced for prevention and security purposes. The references to legislative, regulatory and codes of practice documents cannot be considered as exhaustive. It is the responsibility of the person receiving the product to refer to the totality of the official documents concerning the use, the possession and the handling of the product. It is also the responsibility of the handlers of the product to pass on to any subsequent persons who will come into contact with the product (usage, storage, cleaning of containers, other processes) the totality of the information contained within this safety data sheet and necessary for safety at work, the protection of health and the protection of environment.

**NB: In this document the numerical separator of the thousands is the "." (point), the decimal separator is "," (comma).**



**Product:**
**LOTRYL® Alkyl Acrylate**

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SDS No.: 001129-001 (Version 1.2)

Date 22.01.2019 (*Cancel and replace* : 21.12.2016)

Name	Inventory	EINECS / REACH	TSCA	DSL / NDSL	IECSC	ENCS	ISHL	KECI	PICCS	AICS	NZIOC
LOTRYL® 17BA04		Conforms to	Conforms to	Conforms to (F)	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to
LOTRYL® 17BA07		Conforms to	Conforms to	Conforms to (F)	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to
LOTRYL® 17BA07N		Conforms to	Conforms to	Conforms to (F)	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to
LOTRYL® 17BA07T		Conforms to	Conforms to	Conforms to (F)	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to
LOTRYL® 18MA02		Conforms to	Conforms to	Conforms to (F)	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to
LOTRYL® 18MA02N		Conforms to	Conforms to	Conforms to (F)	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to
LOTRYL® 20MA08		Conforms to	Conforms to	Conforms to (F)	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to
LOTRYL® 20MA08N		Conforms to	Conforms to	Conforms to (F)	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to
LOTRYL® 20MA08T		Conforms to	Conforms to	Conforms to (F)	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to
LOTRYL® 24MA005		Conforms to	Conforms to	Conforms to (F)	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to
LOTRYL® 24MA02		Conforms to	Conforms to	Conforms to (F)	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to

(A) The product contains ELINCS substances.	(I) This product contains at least one component covered by an exemption available only for Arkema - Please consult Arkema for more information
(B) This substance has been registered according to Regulation (EC) No. 1907/2006 (REACH).	(J) This product contains at least one component covered by a polymer exemption available only for Arkema - Please consult Arkema for more information.
(C) This substance is exempt from registration according to Regulation (EC) No. 1907/2006 (REACH).	(K) Consult ARKEMA.
(D) This product contains at least one component registered according to Regulation (EC) N° 1907/2006 (REACH)	(L) This product contains a NLP (No Longer Polymer)
(E) This product contains at least one component exempt according to Regulation (EC) N° 1907/2006 (REACH)	(M) The mixture contains a polymer. All the monomers for this polymer & other substances are listed on the inventory, Consult Arkema.
(F) All components of this product are on the Canadian DSL	(N) Consult ALTUGLAS
(G) This product contains one or several components listed in the Canadian NDSL list. All other components are on the DSL list.	(O) Based on alternate CAS number(s).
(H) This product contains one or several components that are not on the Canadian DSL nor NDSL lists.	
<i>In case of empty inventory, Consult ARKEMA.</i>	
<b>ARKEMA</b>	<b>420 rue d'Estienne d'Orves - 92700 Colombes – FRANCE</b>

LOTRYL® 24MA02N	Conforms to	Conforms to	Conforms to (F)	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to
LOTRYL® 24MA02T	Conforms to	Conforms to	Conforms to (F)	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to
LOTRYL® 24MA07T	Conforms to	Conforms to	Conforms to (F)	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to
LOTRYL® 28BA175	Conforms to	Conforms to	Conforms to (F)	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to
LOTRYL® 28BA175T	Conforms to	Conforms to	Conforms to (F)	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to
LOTRYL® 28BA700T	Conforms to	Conforms to	Conforms to (F)	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to
LOTRYL® 28MA07	Conforms to	Conforms to	Conforms to (F)	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to
LOTRYL® 29MA03	Conforms to	Conforms to	Conforms to (F)	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to
LOTRYL® 29MA03T	Conforms to	Conforms to	Conforms to (F)	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to
LOTRYL® 30BA02	Conforms to	Conforms to	Conforms to (F)	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to
LOTRYL® 30BA02T	Conforms to	Conforms to	Conforms to (F)	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to
LOTRYL® 35BA320	Conforms to	Conforms to	Conforms to (F)	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to
LOTRYL® 35BA320T	Conforms to	Conforms to	Conforms to (F)	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to
LOTRYL® 35BA40	Conforms to	Conforms to	Conforms to (F)	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to
LOTRYL® 35BA40T	Conforms to	Conforms to	Conforms to (F)	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to

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<b>ARKEMA</b>	<b>420 rue d'Estienne d'Orves - 92700 Colombes – FRANCE</b>

LOTRYL® BESTPEEL 2407	Conforms to	Conforms to	Conforms to (F)	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to
LOTRYL® HMA	Conforms to	Conforms to	Conforms to (F)	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to
LOTRYL® HMA-LV	Conforms to	Conforms to	Conforms to (F)	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to	Conforms to

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