

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product code: Ajulock | Trades code: Ajulock | DRP: DRP15-0028947

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

- Sectors of use: Industrial Manufacturing[SU3], Private households[SU21], Public domain[SU22]
- Product category: Adhesives, Sealants
- Uses advised against: Do not use for purposes other than those listed

1.3. Details of the supplier of the safety data sheet

Auto Juntas S.A.U

Parque Empresarial Ajusa, CM 332, Km: 2,2

02006 Albacete | Spain | +34 967 216 612

ajusa@ajusa.es | www.ajusa.es

1.4. Emergency telephone number

+34 91 562 04 20

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

- Pictograms: GHS07
- Hazard Class and Category Code(s): Skin Irrit. 2, Skin Sens. 1, Eye Irrit. 2
- Hazard statement Code(s):
 - H315 - Causes skin irritation.
 - H317 - May cause an allergic skin reaction.
 - H319 - Causes serious eye irritation.

If brought into contact with eyes, the product causes significant irritations which may last for more than 24 hours, if brought into contact with skin, it causes significant inflammation with erythema, scabs, or edema. The product, if brought into contact with skin can cause skin sensitization.

2.2. Label elements. Labelling according to Regulation (EC) No 1272/2008:

- Pictogram, Signal Word Code(s): GHS07 - Warning
- Hazard statement Code(s):
 - H315 - Causes skin irritation.
 - H317 - May cause an allergic skin reaction.
 - H319 - Causes serious eye irritation.
- Supplemental Hazard statement Code(s): not applicable
- Precautionary statements:
 - General



P101 - If medical advice is needed, have product container or label at hand

P102 - Keep out of reach of children.

Prevention

P261 - Avoid breathing vapours

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Response

P302+P352 - IF ON SKIN: Wash with plenty of water.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 - If eye irritation persists: Get medical advice/attention.

P363 - Wash contaminated clothing before reuse.

Disposal

P501 - Dispose of contents/container in accordance to local, regional, national regulations.

Contains:

2-hydroxyethyl methacrylate 98%

2.3. Other hazards

The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

No information on other hazards

SECTION 3. Composition/information on ingredients

3.1 Substances

Irrilevant

3.2 Mixtures

Refer to paragraph 16 for full text of hazard statements

Substance	Concentration	Classification	Index	CAS	EINECS	REACH
2-hydroxyethyl methacrylate 98%	> 20 <= 30%	Skin Irrit. 2, H315; Skin Sens. 1, H317; Eye Irrit. 2, H319		868-77-9	212-782-2	01-2119490 169-29-000 0
cumene hydroperoxide	> 0,1 <= 1%	Flam. Liq. 3, H226; Org. Perox. E, H242; Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Corr. 1B, H314; Acute Tox. 3, H331; STOT SE 3, H335; STOT RE 2, H373; Aquatic Chronic 2, H411	617-002-00-8	80-15-9	201-254-7	

SECTION 4. First aid measures

4.1. Description of first aid measures

Inhalation

Air the area. Move immediately the contaminated patient from the area and keep him at rest in a well ventilated area. If you feel unwell seek medical advice.

Direct contact with skin (of the pure product)

Take contaminated clothing Immediately off.

Wash immediately with plenty of running water and possibly with soap, the areas of the body that have, or are only suspected to have, come in contact with the product.

In case of contact with skin, wash immediately with water.

Direct contact with eyes (of the pure product)

Wash immediately and thoroughly with running water, keeping eyelids open for at least 10 minutes, then protect your eyes with a dry sterile gauze. Seek medical advice immediately. Do not use eye drops or ointments of any kind before the examination or advice from an oculist.

Ingestion

Rinse mouth, do not induce vomiting. Call a doctor immediately.

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

If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

If medical advice is needed, have product container or label at hand.

SECTION 5. Firefighting measures

5.1. Extinguishing media

Advised extinguishing agents: Water spray, CO₂, foam, dry chemical, depending on the materials involved in the fire.

Extinguishing means to avoid: Water jets. Use water jets only to cool the surfaces of the containers exposed to fire.

5.2. Special hazards arising from the substance or mixture

No data available.

5.3. Advice for firefighters

Use protection for the breathing apparatus

Safety helmet and full protective suit.

The spray water can be used to protect the people involved in the extinction

You may also use selfrespirator, especially when working in confined and poorly ventilated area and if you use halogenated extinguishers (Halon 1211 fluobrene, Solkan 123, NAF, etc...)

Keep containers cool with water spray

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel:

Leave the area surrounding the spill or release. Do not smoke

Wear mask, gloves and protective clothing.

6.1.2 For emergency responders:

Wear mask, gloves and protective clothing.

Eliminate all unguarded flames and possible sources of ignition. No smoking.

Provision of sufficient ventilation.

Evacuate the danger area and, in case, consult an expert.

6.2. Environmental precautions

Contain spill with earth or sand. If the product has entered a watercourse in sewers or has contaminated soil or vegetation, notify it to the authorities. Discharge the remains in compliance with the regulations

6.3. Methods and material for containment and cleaning up

6.3.1 For containment:

Rapidly recover the product, wear a mask and protective clothing. Recover the product for reuse, if possible, or for removal. Possibly absorb it with inert material. Prevent it from entering the sewer system.

6.3.2 For cleaning up:

After wiping up, wash with water the area and materials involved.

6.3.3 Other information:

Nothing in particular.

6.4. Reference to other sections

Refer to paragraphs 8 and 13 for more information

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Avoid contact and inhalation of vapors

Wear protective gloves/protective clothing/eye protection/face protection.

At work do not eat or drink.

Contaminated work clothing should not be allowed out of the workplace.

See also paragraph 8 below.

7.2. Conditions for safe storage, including any incompatibilities

Keep in original container closed tightly. Do not store in open or unlabeled containers.

Keep containers upright and safe by avoiding the possibility of falls or collisions.

Store in a cool place, away from sources of heat and direct exposure of sunlight.

7.3. Specific end use(s)

Industrial Manufacturing: Handle with extreme caution.

Store in a well ventilated place away from heat sources.

Private households: Handle with extreme caution.

Store in a well ventilated place away from heat sources.

Public domain: Handle with care. Store in a ventilated area and away from heat, keep the container tightly closed.

SECTION 8. Exposure controls/personal protection

8.1 Control parameters

Concerning the contained substances:

acrylic acid:

TLV: 2 ppm as TWA (skin) A4 (Not classifiable as a human carcinogen.); (ACGIH 2005)

MAK: 10 ppm 30 mg/m³ Peak limitation category: I (1); Pregnancy risk group: C; (DFG 2005)

Substance: 2-hydroxyethyl methacrylate 98%

DNEL

Systemic effects Long term Workers inhalation = 4,9 (mg/m³)

Systemic effects Long term Workers dermal = 1,3 (mg/kg bw/day)

PNEC

Sweet water = 0,482 (mg/l)

sediment Sweet water = 3,79 (mg/kg/sediment)

STP = 10 (mg/l)

ground = 0,476 (mg/kg ground)

Substance: acrylic acid

DNEL

Local effects - Long term - Workers - inhalation = 30

Local effects - Long term - Workers - dermal = 1 (mg/kg bw/day)

Local effects - Long term - Consumers - dermal = 1 (mg/kg bw/day)

Long effects - Long term - Consumers - inhalation = 3.6 (mg/m³)

PNEC

Fresh water = 0.003 (mg/l)

Fresh water sediment = 0.0236 (mg/kg/sediment)

Sea water = 0.0003 (mg/l)

Sediment seawater = 0.00236 (mg/kg/sediment)

Intermittent emissions = 0.0013 (mg/l)

STP = 0.9 (mg/l)

Soil = 1 (mg/kg soil)



Substance: cumene hydroperoxide

DNEL

Systemic effects Long term Workers inhalation = 6 (mg/m³)

PNEC

Sweet water = 0,0031 (mg/l)

sediment Sweet water = 0,023 (mg/kg/sediment)

Sea water = 0,00031 (mg/l)

sediment Sea water = 0,0023 (mg/kg/sediment)

intermittent emissions = 0,031 (mg/l)

STP = 0,35 (mg/l)

ground = 0,0029 (mg/kg ground)

8.2. Exposure controls

Appropriate engineering controls:

Industrial Manufacturing:

No specific monitoring foreseen

Private households:

No specific monitoring foreseen

Public domain:

No specific monitoring foreseen

Individual protection measures

a) Eye / face protection: When handling the pure product use safety glasses (spectacles cage) (EN 166).

b) Skin protection

(i) Hand protection: Butyl rubber gloves (0.3 mm), permeation time approx. 480 min (EN 374)

(ii) Other: When handling the pure product wear full protective skin clothing.

c) Respiratory protection: Not needed for normal use.

d) Thermal hazards: No hazard to report

Environmental exposure controls: Use according to good working practices to avoid pollution into the environment.

Physical and chemical properties	Value	Determination method
Appearance	Liquid	
Odour	Caratteristic	
Odour threshold	not determined	
pH	irrelevant	
Melting point/freezing point	not determined	
Initial boiling point and boiling range	irrelevant	
Flash point	> 100 ° C	ASTM D92
Evaporation rate	irrelevant	
Flammability (solid, gas)	nonflammable	
Upper/lower flammability or explosive limits	nonflammable	
Vapour pressure	not determined	
Vapour density	not determined	
Relative density	1,08 g/ml	
Solubility(ies)	organic solvents	

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical and chemical properties	Value	Determination method
Water solubility	not soluble	
Partition coefficient: n-octanol/water	irrelevant	
Auto-ignition temperature	irrelevant	
Decomposition temperature	irrelevant	
Viscosity	60.000 / 90.000 mPa.s	
Explosive properties	not explosive	
Oxidising properties	not determined	

9.2. Other information

No data available.

SECTION 10. Stability and reactivity

10.1. Reactivity

No reactivity hazards

10.2. Chemical stability

No hazardous reaction when handled and stored according to provisions.

10.3. Possibility of hazardous reactions

There are no hazardous reactions

10.4. Conditions to avoid

Nothing to report

10.5. Incompatible materials

It can generate inflammable gases to contact with elementary metals, nitrides. It can ignite in contact with oxidants mineral acids, strong oxidants agents, strong reducing agents.

10.6. Hazardous decomposition products

Does not decompose when used for intended uses.

SECTION 11. Toxicological information

11.1. Information on toxicological effects

ATE(mix) oral = 25.710,1 mg/kg

ATE(mix) dermal = 64.327,5 mg/kg

ATE(mix) inhal = 215,3 mg/l/4 h

(a) acute toxicity: cumene hydroperoxide: 594/5000

The substance is corrosive to the eyes, the skin and the respiratory tract. Corrosive by ingestion. Inhalation of this substance may cause pulmonary edema (see Notes). The effects can be delayed. Medical observation is indicated.

ACUTE RISKS / SYMPTOMS

INHALATION Sore throat. Burning sensation. Cough. Respiratory difficulty. Shortness of breath. Symptoms may occur late (see Notes).

CUTE Redness. Ache. Skin burns.

EYES Redness. Ache. Serious deep burns.

INGESTION Burning sensation. Abdominal pain. Shock or collapse.

(b) skin corrosion/irritation If brought into contact with the skin, the product causes significant inflammation with erythema, scabs, or edema.

(c) serious eye damage/irritation: If brought into contact with eyes, the product, causes significant irritations which may last for more than 24 hours.

2-hydroxyethyl methacrylate 98%: Serious eye damage / eye irritation

rabbit, Draize, (own analysis), irritating

Irritating to eyes Category 2B (UN-GHS)

(d) respiratory or skin sensitization: The product, if brought into contact with skin can cause skin sensitization.

2-hydroxyethyl methacrylate 98%: Respiratory or skin sensitization

guinea pig, GPMT - Sensitizer

Skin sensitization Category 1B (UN-GHS)

(e) germ cell mutagenicity: based on available data, the classification criteria are not met

(f) carcinogenicity: based on available data, the classification criteria are not met

(g) reproductive toxicity: based on available data, the classification criteria are not met

(h) specific target organ toxicity (STOT) single exposure: based on available data, the classification criteria are not met

(i) specific target organ toxicity (STOT) repeated exposure 2-hydroxyethyl methacrylate 98%: Repeated Toxicity administration

rat, oral, 7th Sept., OECD 422 - NOAEL - 100 mg / kg

cumene hydroperoxide: Species: Rat

NOAEL: 0.031 mg / l

Application method: inhalation (dust / mist / fumes)

Exposure time: 90 d

(j) aspiration hazard: based on available data, the classification criteria are not met

AJULOCK:

LD50 (rat) Oral (mg/kg body weight) = 65789

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 144736

CL50 Inhalation (rat) vapour/dust/mist/fume (mg/l/4h) or gas (ppmV/4h) = 394,7

Related to contained substances:

2-hydroxyethyl methacrylate 98%:

Toxicokinetics, metabolism and distribution

The substance is rapidly metabolized

General indications

Contact with the eyes and skin should be avoided, as well as the breathing of the product vapors.

LD50 (rat) Oral (mg/kg body weight) = 5000

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 5000

LD50 Oral (rat) (mg/kg body weight) = 1000

cumene hydroperoxide:

ROUTES OF EXPOSURE: The substance can be absorbed into the body by inhalation, through the skin and by ingestion.

INHALATION RISK: No indication can be given about the rate in which a harmful concentration in the air is reached on evaporation of this substance at 20 ° C.

NOTE

The symptoms of pulmonary edema often do not occur within a few hours and are exacerbated by physical exertion. Rest and medical observation are therefore essential. Immediate administration of an appropriate inhalation therapy by

a physician or personnel authorized by him should be considered.

LD50 (rat) Oral (mg/kg body weight) = 382

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 1100

CL50 Inhalation (rat) vapour/dust/mist/fume (mg/l/4h) or gas (ppmV/4h) = 2,01

SECTION 12. Ecological information

12.1. Toxicity

Concerning the substances contained:

acrylic acid:

CL50 *Oncorhynchus mykiss* (rainbow trout): 27 mg/l; 96 h

Guideline 203 for the OECD test.

Toxicity to daphnia and other aquatic invertebrates

EC5 *E.sulcatum*: 20 mg/l; 72 h

(toxicity concentration limit) (Lit.)

EC50 *Daphnia magna* (water flea): 47 mg/l; 48 h

Toxicity to algae

OECD TG 201

IC50 *Desmodesmus subspicatus* (green algae): 0.13 mg/l; 72 h

(IUCLID)

Toxicity to bacteria

EC5 *Pseudomonas putida*: 41 mg/l; 16 h

(toxicity concentration limit) (IUCLID)

EC20 Activated sludge: 900 mg/l; 30 min

ISO 8192

NOEC (mg/l) = 0.2

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

The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

12.6. Other adverse effects

No adverse effects

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Do not reuse empty containers. Dispose of them in accordance with the regulations in force. Any remaining product should be disposed of according to applicable regulations by addressing to authorized companies. Recover if possible. Send to authorized discharge plants or for incineration under controlled conditions. Operate according to local and National rules in force

SECTION 14. Transport information

14.1. UN number

Not included in the scope of application regulations concerning the transport of dangerous goods: by road (ADR); by rail (RID); by air (ICAO / IATA); by sea (IMDG).

14.2. UN proper shipping name

None

14.3. Transport hazard class(es)

None

14.4. Packing group

None

14.5. Environmental hazards

None

14.6. Special precautions for user

No data available.

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

It is not intended to carry bulk

SECTION 15. Regulatory information

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

REGULATION (EU) No 1357/2014 - waste: HP4 - Irritant — skin irritation and eye damage HP13 - Sensitising

15.2. Chemical safety assessment

The supplier has made an assessment of chemical safety

SECTION 16. Other information

16.1. Other information

Description of the hazard statements exposed to point 3

H315 = Causes skin irritation.

H317 = May cause an allergic skin reaction.H319 = Provoca irritación ocular grave.

H319 = Causes serious eye irritation.

H226 = Flammable liquid and vapour.

H242 = Heating may cause a fire.

H302 = Harmful if swallowed.

H312 = Harmful in contact with skin.

H314 = Causes severe skin burns and eye damage.

H332 = Harmful if inhaled.

H400 = Very toxic to aquatic life.

H242 = Fire hazard in case of heating. Heating may cause a fire.

H331 = Toxic if inhaled.

H335 = May cause respiratory irritation.

H373 = May cause damage to organs through prolonged or repeated exposure .

H411 = Toxic to aquatic life with long lasting effects.Clasificación basada en los datos de todos los componentes de la mezcla

Classification based on data of all mixture components

GENERAL BIBLIOGRAPHY

- Council Regulation (EC) 1907/2006 of the European Parliament (REACH)
- Regulation (EC) 1272/2008 of the European Parliament (CLP) and subsequent updates
- Council Regulation (EC) no 758/2013 of the European Parliament
- Regulation (EC) no 2015/830 of the European Parliament
- Regulation (EC) No 528/2012 European Parliament and subsequent updates
- Commission Regulation (EC) No 790/2009 of 10 August 2009
- Commission Regulation (EU) No 286/2011 of 10 March 2011
- Commission Regulation (EU) No 618/2012 of 10 July 2012
- Commission Regulation (EU) No 487/2013 of 8 May 2013
- Council Regulation (EU) No 517/2013 of 13 May 2013
- Commission Regulation (EU) No 758/2013 of 7 August 2013
- Commission Regulation (EU) No 944/2013 of 2 October 2013
- Commission Regulation (EU) No 605/2014 of 5 June 2014
- Commission Regulation (EU) 2015/491 of 23 March 2015

- Commission Regulation (EU) No 1297/2014 of 5 December 2014- Council Regulation (EC) 648/2004 of the European Parliament and subsequent updates
- The Merck Index
- Handling Chemical Safety
- Niosh Registry of Toxic Effects of Chemical Substances
- INRS - Fiche Toxicologique
- Patty-Industrial Hygiene and Toxicology
- N.I. Sax-Dangerous properties of Industrial Materials-7 Ed., 1989- Reglamento (UE) no 944/2013 de la Comisión de 2 de octubre de 2013

Note to the user:

the information in this tab are based on knowledge available to us on the date of the latest version.

The user must ensure the fitness and completeness of the information in relation to the specific use of the product.

You should not interpret it as a guarantee of any specific property of the product.

For the use of the product does not fall under our direct control, the obligation of the user to observe under their own liability laws and regulations on hygiene and safety. Do not assume liability for improper use.

This tab replaces and cancels all previous.