



## According to 1907/2006/EU, Article 0160

### 1. Substance/preparation- and company name

Application: Polymer, ingredient for cosmetic agents Registration No.: 314335

Alchemy

### 2. Composition/specifications on components

Chemical characteristics INCI-name: VP/VA copolymer (and) Isopropanol

Preparation based on: vinyl acetate, 1-vinyl 2-pyrrolidone copolymer (contents (W/W): 50 %). propan-2-ol (contents (W/W): 50 %)

Hazardous ingredient Propan-2-ol

Contents (W/W): 50 %

CAS-number: 67-63-0 | EU-number: 200-661-7 INDEX-number: 603-117-00-0 Warning symbol(s): F, Xi Risk statements. 11. 36, 67

If hazardous substances are named, the wording for the warning symbols and risk statements is specified in section 16.

### 3. Possible hazards

Irritant to eyes. highly inflammable.

### 4. First-aid measures

General recommendations:  
Remove contaminated clothing.

After inhaling: Stay calm, fresh air, contact a doctor

Following skin contact:  
Wash-off thoroughly with soap and water.

Following eye contact:  
Flush immediately and thoroughly for at least 15 minutes with eyelids wide open under flowing water; Call an eye doctor.

After swallowing:  
Rinse mouth immediately, then drink a copious amount of water; call a doctor



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### 5. Measures to combat fire

Suitable fire extinguishers Sprayed water, foam, carbon dioxide, sand

Special hazards

Carbon dioxide, nitrous gases, cyanide

Specific protective gear:

Wear a self-contained breathing apparatus

Further information:

Dispose of fire residue and contaminated fire-fighting water according to official regulations.

### 6. Measures in case of unintentional release

Individual preventive measures:

Ensure proper ventilation.

Measures for environmental protection:

Prevent entry into the sewage system.

Procedures for cleaning and uptake:

For large quantities: contain/dam-up. Dispose of in well-sealed containers.

### 7. Handling and storage

Handling

Observe the usual precautionary measures for handling chemicals.

Fire- and explosion protection: Keep away from sources of combustion – do not smoke. Use water to cool containers endangered by heat.

Storage Further information on storage conditions: Keep containers tightly sealed and store in a cool, well-ventilated location

### 8.. Exposure limit and personal protective gear

Components with workplace-related limit values to be monitored

67-63-0: Propan-2-ol

TWA-value 500 mg/m<sup>3</sup>: 200 ppm (MAK (CH))

STEL-value 1,000 mg/m<sup>3</sup> ; 400 ppm (MAK (CH))

Peak limit/exceedance factor: 4x15 MIN

(MAK (CH))

No grounds to fear risk of reproductive injury if workplace limit values and biological limit values (BLV) are observed.



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### Personal protective gear

#### Respiratory protection:

Gas filter for organic gases/vapours (boiling point > 65 °C, e. g. EN 14387 Type A).

Hand protection: Suitable materials including longer, direct contact (recommended: protection index 6,

corresponds to > 480 minutes permeation according to EN 374):

Butyl rubber (butyl) – 0.7 mm layer thickness

Fluorelastomer (FKM) – 0.7 mm layer thickness

Nitrile rubber (NBR) – 0.4 mm layer thickness

Additional recommendation: The information derives from in-house testing, literature and information from glove manufacturers, or is derived from conclusion by analogy for similar materials. Note should be taken that the actual duration of use for a chemically protective glove can be clearly shorter in practice than the determined permeation time, due to many influencing factors (e.g. temperature).

Due to the large number of types, the manufacturer's instructions are to be followed.

#### Eye protection:

Safety glasses with side shields (frame goggles) (e.g. EN 166)

#### General protection and hygiene measures:

Avoid inhaling vapours.

### 9. Physical and chemical properties

Form: liquid

Colour: light yellow

Odour: perceptible

Boiling point: 82C

Flashpoint: approx. 13C

Lower explosion limit: 2% (V)

Information on: propan-2-ol

Upper explosion limit: 12.0%(V)

Information on: propan-2-ol

Ignition temperature: approx. 400C

Vapour pressure: approx. 35 hPa (20C) approx. 220hPa (50C)

Density: approx 0.95-1.0g/cm<sup>3</sup>

Solubility in water: approx. 20C dispersible

Viscosity, dynamic: approx. 3,000 mPa.s (25 °C)



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### 10. Stability and reactivity

Thermal decomposition: ca. 80 °C

Thermal decomposition above the indicated temperature is possible.

Dangerous reactions: No dangerous reactions if the regulations/recommendations for storage and handling are followed.

Hazardous decomposition products: No hazardous decomposition products if the regulations/recommendations for storage and handling are followed.

### 11. Information on toxicology

#### Acute toxicity

Information on: vinyl acetate, 1-vinyl 2-pyrrolidon copolymer Evaluation of acute toxicity:

No further information available.

#### Irritant effect

Information on: vinyl acetate, 1-vinyl 2-pyrrolidon vopolymer

Evaluation of irritant effect:

No further information available

Information on: vinyl acetate, 1-vinyl 2-pyrrolidon copolymer No further information available

**Sensitisation** | Information on: vinyl acetate, 1-vinyl 2-pyrrolidon copolymer

No further information available



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Evaluation of sensitisation:

Not Available

### Gene toxicity

Not Available

### Developmental toxicity

Information on: vinyl acetate, 1-vinyl 2-pyrrolidon copolymer Evaluation of teratogenicity:

Not Available

## 12. Environmental information

### Environmental toxicity

Information on: vinyl acetate, 1-vinyl 2-pyrrolidon copolymer Evaluation of aquatic toxicity: High probability of harmlessness for aquatic organisms if acute. Appropriate introduction of low concentrations in biological sewage systems should not lead to interference with decomposition activities of activated sludge.

Information on: vinyl acetate, 1-vinyl 2-pyrrolidon copolymer Fish toxicity:

LC50 (96 h) > 10,000 mg/l, Brachydanio rerio (OECD-guideline 203, static)

Information on: vinyl acetate, 1-vinyl 2-pyrrolidon copolymer Aquatic invertebrates:

EC50 (48 h) > 100 mg/l, Daphnia magna (Guideline 79/831/EWG, static)

Information on: vinyl acetate, 1-vinyl 2-pyrrolidon copolymer Aquatic plants:

EC50 (72 h) > 100 mg/l (biomass), Scenedesmus subspicatus (OECD-guideline 201, static)

### Persistence and decomposition

Information on: vinyl acetate, 1-vinyl 2-pyrrolidon copolymer Evaluation of bio decomposition and elimination (H2O): | Difficult to eliminate from water.

Information on: vinyl acetate, 1-vinyl 2-pyrrolidon copolymer Information on elimination: approx. 20 - 30 % DOC-decrease (15 d) (OECD-guideline 302 B) (aerob, activated sludge, adapted) Difficult to eliminate from water.

### Bioaccumulation potential

Information on: vinyl acetate, 1-vinyl 2-pyrrolidon copolymer Bioaccumulation potential: Based on its



structural properties, the polymer portion is not Accumulation is not expected in organisms.

### 13. Recommendations for disposal

National and local legal regulations are to be observed.

### 14. Information for transport

#### Land transport

ADR	Class	3
	Packaging group	III
	UN-Number	1866
	Description of goods	Resin Solution (contains ISOPROPANOL)
RID	Class	3
	Packaging group	III
	UN-Number	1866
	Description of goods	Resin Solution (contains ISOPROPANOL)
Barge freight	Class	3
	Packaging group	III
	UN-Number	1866
	Description of goods	Resin Solution (contains ISOPROPANOL)
Ocean freight	Class	3
	Packaging group	III
	UN-Number	1866
	Description of goods	Resin Solution (contains ISOPROPANOL)
Air transport	Class	3
	Packaging group	III
	UN-Number	1866
	Description of goods	Resin Solution (contains ISOPROPANOL)

### 15. Regulations:

Regulations of the European Union (designation) / national regulations

EU-guideline 1999/45/EU ('Preparations guideline')

Danger symbol(s)

F highly inflammable X irritant

R-sentences R 11 highly inflammable R 36 irritant to eyes R 67 vapours can cause drowsiness and light headedness

S-sentences

S2 Keep out of reach of children S7 Keep container tightly sealed S16 Keep away from sources of combustion- no smoking S24 Avoid contact with skin and eyes S26 In case of eye contact, flush with copious amounts of water and call a physician

Other regulations



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Other regulations

(1) Weak water pollutant

### **16. Other information**

#### **According to 1907/2006/EG, Article 0160**

Complete wording for hazard symbols and risk sentences if “Dangerous contents” named in Section 2:

F highly inflammable . Xi irritant. 11 highly inflammable. 36 Irritant to the eyes. 67 vapours can cause drowsiness and light headedness.

The preceding information in this material safety data sheet is based on our current knowledge and experience and describes the product with regard to safety requirements. The information is in no way to be viewed as a description of the quality of the goods (product specification). Agreement on quality or product suitability for a specific application cannot be derived from our information in the safety data sheet. Any protective rights or existing laws and provisions are to be observed by the recipient of our product under their own responsibility.