

Material Safety Data Sheet

Printing Date 12.01.2017

Reviewed on 05.01.2017


1 Identification of the substance/preparation and of the company/undertaking

- **Product details**
- **Trade name:** Acrylates copolymer
- **Article number:** KY-MF-1
- **Application of the substance / the preparation:** Additive of shampoo
- **Manufacturer/Supplier:**
KIYU New Material Limited Company
Foshan Nanhai Shishan Science Industry Park
Tel: 0757-86693399
Fax: 0757-86691199
- **Further information obtainable from:** KIYU New Material Limited Company
- **Information in case of emergency:**
Zhongqi Li
Tel: 0757-86691133
- **Reference Number:** 2018887/BS

2 Composition/information on ingredients

- **Chemical characterization**
- **Description:**
Mixture of substances listed below with nonhazardous additions.
For the wording of the listed risk phrases refer to section 16

· Dangerous components:

CAS:25212-88-8	2-propenoic acid,2-methyl-,polymer with ethyl 2-propenoate  Xi; R 36/38	30,0%
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· Non-dangerous component:

CAS: 7732-18-5 EINECS: 231-791-2	water, distilled, conductivity or of similar purity	70,0%
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Remark

acrylate copolymer CAS No.25212-88-8

3 Hazards identification

· Hazard description:



Xi Irritant

· Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

R 36/38 Irritating to eyes and skin.

· Classification system:

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

4 First aid measures

· After inhalation:

Supply fresh air or oxygen; call for doctor.

In case of unconsciousness place patient stably in side position for transportation.

· After skin contact: Immediately wash with water and soap and rinse thoroughly.

· After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· After swallowing: If symptoms persist consult doctor.

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After swallowing: if symptoms persist consult doctor

5 Fire-fighting measures

- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** Wear fully protective suit.

6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.

7 Handling and storage

- **Handling:**
- **Information for safe handling:**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about fire - and explosion protection:** Keep ignition sources away - Do not smoke.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Store away from flammable substances.
- **Further information about storage conditions:** Keep container tightly sealed.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **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.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
- **Respiratory protection:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- **Protection of hands:**



Protective gloves

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

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· **Material of gloves**

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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:**



Tightly sealed goggles

9 Physical and chemical properties

· **General Information**

Form:	white emulsion
Colour:	white
Odour:	mild

· **Change in condition**

Melting point/Melting range: Not available

Boiling point/Boiling range: Not available

· **Flash point:** Not available

· **Flammability (solid, gaseous):** Not available

· **Ignition temperature:** Not available

· **Self-igniting:** Product is not selfigniting.

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

· **Explosion limits:**

Lower: Not available

Upper: Not available

· **Oxidizing properties** Not available

· **Vapour pressure:** Not available

· **Density:** 1.050/ml

· **Relative density** Not available

· **Vapour density** Not available

· **Evaporation rate** Not available

· **Solubility in / Miscibility with** Not available

· **pH-value:** 5.45(10%sol)

· **Viscosity:**

Dynamic: 11cps(25)

10 Stability and reactivity

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

· **Dangerous reactions** No dangerous reactions known.

· **Dangerous decomposition products:** No dangerous decomposition products known.

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11 Toxicological information

· **Acute toxicity:**

· **LD/LC50 values relevant for classification:**

4292-10-8(carboxymethyl)dimethyl-3-[(1-oxododecyl)amino]propylammonium hydroxide

Oral	LD50	5000 mg/kg(rat)
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· **Primary irritant effect:**

· **on the skin:** Slight skin irritant and mucous membranes

· **on the eye:** Irritating effect

· **Sensitization:** Sensitization possible through skin contact

· **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Irritant

12 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.

13 Disposal considerations

· **Product:**

· **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packaging:**

· **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· **Land transport ADR/RID (cross-border)** Not Restricted

· **ADR/RID class:** -

· **Danger code (Kemler):** -

· **UN-Number:** -

· **Hazard label:** -

· **Description of goods:** -

· **Maritime transport IMDG:** Not Restricted

· **IMDG Class:** -

· **UN Number:** -

· **Label** -

· **Packaging group:** -

· **EMS Number:** -

· **Marine pollutant:** Yes

· **Proper shipping name:** -

· **Air transport ICAO-TI and IATA-DGR:** Not Restricted

· **ICAO/IATA Class:** -

· **UN/ID Number:** -

· **Label** -

· **Packaging group:** -

· **Proper shipping name:** -

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15 Regulatory information

· Sara

· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

· **TSCA (Toxic Substances Control Act):**

7732-18-5 water, distilled, conductivity or of similar purity

· **Proposition 65**· **Chemicals known to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogen categories**· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

· **Labelling according to EU guidelines:**

Observe the general safety regulations when handling chemicals.

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

· **Code letter and hazard designation of product:**

Xi Irritant

· **Risk phrases:**

36/38 Irritating to eyes and skin.

· **Safety phrases:**

2 Keep out of the reach of children.

23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).

46 If swallowed, seek medical advice immediately and show this container or label.

56 Dispose of this material and its container to hazardous or special waste collection point.

16 Other information· **Relevant R-phrases**

36/38 Irritating to eyes and skin.

The contents and format of this MSDS are in accordance with EEC Commission Directive 2001/58/EC, 1999/45/EC, 1967/548/EEC.

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