

Safety Data Sheet

According to Regulation (EC) No 1907/2006

KEYCURE POL-ONE

Version 1.0

Issue date: 16/05/2016

Revision date: 16/05/2016

SDS Record Number: CSSS-TCO-010-119805

Section 1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:

Identification on the label/Trade name: KEYCURE POL-ONE
Additional identification: Not available
Identification of the product: CAS#163702-01-0; EC#402-990-3
Index Number: Not available
REACH registration No.: Not available

1.2 Relevant identified uses of the substance and uses advised against:

1.2.1 Identified uses:

Main suggested applications are in the manufacturing of: powder coatings; clear lacquers for wood, plastic, paper, metal, optical fibres; adhesives; printing inks; printing plates and photoresists.

1.2.2 Uses advised against:

Not available

1.3 Details of the supplier of the safety data sheet:

Supplier(Only representative): -
Supplier(Manufacturer): UV Chem-Keys Co., Ltd
Address: RM-304, Tongsheng Mansion, No 458,Fushan Road, Pudong district, Shanghai, China Zip Code: 200120
Contact person(E-mail): m.w@uvchemkeys.com
Telephone: +86-21-38680172
Fax: +86-21-38680173

1.4 Emergency telephone Number:

+86-21-38680172

Available outside office hours? YES NO

Section 2 Hazards Identification

2.1 Classification of the substance/mixture:

2.1.1 Classification:

The mixture is classified as following according to REGULATION (EC) No 1272/2008:

REGULATION (EC) No 1272/2008	
Hazard classes/Hazard categories	Hazard codes
Aquatic Chronic 4	H413

For full text of H- phrases: see section 2.2.

2.2 label elements:

Hazard Pictograms: No hazard pictogram is used.
Signal Word(S): No signal word is used.
Hazard Statement: H413: May cause long lasting harmful effects to aquatic life.
Precautionary statement: P273: Avoid release to the environment.

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P501: Dispose of contents/container in according with local regulation.

2.3 Other hazards:

Not available.

Section 3 Composition/information on ingredients

Substance/Mixture: Mixture

Ingredient(s):

Chemical Name	Registration No.	CAS No.	EC No.	Concentration
Oligo [2-hydroxy-2-methyl-1-[4-(1-methylvinyl) phenyl] propanone]	N/A	163702-01-0	402-990-3	100%

Section 4 First aid measures

4.1 Description of first aid measures:

In all cases of doubt, or when symptoms persist, seek medical attention.

4.1.1 In case of inhalation:

If overcome by exposure, remove victim to fresh air immediately. Give oxygen or artificial respiration as needed. Obtain emergency medical attention. Prompt action is essential.

4.1.2 In case of skin contact:

Remove contaminated clothing. Wash skin thoroughly with mild soap & water. Flush with lukewarm water for 15 minutes. If sticky, use waterless cleaner first.

4.1.3 In case of eyes contact:

Immediately flush eyes with water for at least 20 – 30 minutes. Retract eyelids often. Obtain medical attention immediately.

4.1.4 In case of ingestion:

If large amount swallowed, give lukewarm water (pint) if victim completely conscious/alert. Do not induce vomiting. Aspiration risk exceeds systemic poisoning risk. Obtain emergency medical attention.

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

The product is not classified as harmful to human health effect.

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

If skin irritation or rash occurs, get medical advice/attention.

Section 5 Fire-Fighting measures

5.1 Extinguishing media:

Suitable extinguishing media: Carbon dioxide, dry chemical, foam. Water spray. Water, fog.

Unsuitable extinguishing media: Not available.

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products formed under fire conditions. - Oxides of carbon.

5.3 Advice for firefighters:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

6.1.1 For non-emergency personnel: Do not breathe dust. Remove all sources of ignition. Avoid contact with skin, eyes and clothing. For personal protection see section 8.

6.1.2 For emergency responders: Wear an appropriate NIOSH/MSHA approved respirator if dust is generated.

6.2 Environmental Precautions:	Do not flush into surface water, sanitary sewer or ground water system.
6.3 Methods for Containment and Cleaning up:	Contain the spill. Dike area to prevent spreading. Extinguish all sources of ignition. May contaminate water supplies and be toxic to aquatic life. Prevent runoff into drains, sewers, and other waterways. Use mechanical handling equipment. Collect the spilled product into suitable containers, which must be tightly sealed and properly labeled. Avoid dust formation.
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 information on disposal.

Section 7 Handling and storage

7.1 Precautions for safe handling:	
7.1.1 Protective measures:	Keep container closed when not in use. Observe local regulations. For precautions see section 2.
7.1.2 Advice on general occupational hygiene:	Do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.
7.2 Conditions for safe storage, including any incompatibilities:	Store containers in a dark, cool (not lower than 5c/41f), dry, well ventilated location. Keep containers tightly closed away from strong oxidizers and radiation. Prevent contamination by foreign materials. Product may crystallize at temperatures below 5c/41f. Product should be kept in opaque, plastic containers.
7.3 Specific end use(s):	Not applicable.

Section 8 Exposure Controls/Personal Protection

8.1 Control parameters:	
8.1.1 Occupational exposure limits:	Not available.
8.1.2 Additional exposure limits under the conditions of use:	Not available.
8.1.3 DNEL/DMEL and PNEC-Values:	Not available.
8.2 Exposure controls:	
8.2.1 Appropriate engineering controls:	Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
8.2.2 Individual protection measures, such as personal protective equipment:	
Eye/face protection:	Contact lenses should not be worn. Splash proof chemical goggles and face shield must be worn when possibility of splashing, spraying liquid, airborne particles or vapor exist.
Hand protection:	Use suitable chemically resistant gloves. It is important that gloves have an inner cotton lining. Please contact your glove manufacturer for further assistance. Impervious gloves should be worn to protect against allergic skin reaction.
Body protection:	Rubber safety boots. Wear impervious protective clothing including head And face protection. Equipment must be cleaned. Thoroughly after each use. Do not expose open cuts or Sores to product.
Respiratory protection:	Where exposure through inhalation may occur from use, NIOSH/MSHA approved respiratory protection equipment is recommended.
Thermal hazards:	Wear suitable protective clothing to prevent heat.
8.2.3 Environmental exposure controls:	Avoid discharge into the environment. According to local regulations, Federal and official regulations.

Section 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Appearance:	Powder
Colour:	Off white
Odour:	Faint characteristic odor
Odour threshold:	Not available
pH:	Not available
Melting point/range (°C):	100 - 110°C
Boiling point/range (°C):	> 300 °C
Flash point (°C):	> 200 °C
Evaporation rate:	Not available
Flammability limit - lower (%):	Not available
Flammability (solid, gas):	Not available
Ignition temperature (°C):	Not available
Upper/lower flammability/explosive limits:	Not available
Vapour pressure(25 °C):	< 0.002 Pa
Vapour density:	Not available
Relative density:	1.12
Bulk density (kg/m ³):	Not available
Water solubility (g/l):	Insoluble
n-Octanol/Water (log Po/w):	log Pow=4.53
Auto-ignition temperature:	426 °C
Decomposition temperature:	Not available
Viscosity, dynamic (mPa.s):	Not available
Explosive properties:	Not available
Oxidising properties:	Not available
Molecular Formula:	Not available
Molecular Weight:	Not available

9.2. Other information:

Fat solubility(solvent– oil to be specified) etc:	Soluble in most common organic solvents, prepolymers; compatible with resins
Surface tension:	Not available
Dissociation constant in water(pKa):	Not available
Oxidation-reduction Potential:	Not available
Specific gravity:	Not available

Section 10 Stability and reactivity

10.1 Reactivity:	The substance is stable under normal storage and handling conditions.
10.2 Chemical stability:	Stable at room temperature in closed containers under normal storage and handling conditions.
10.3 Possibility of hazardous reactions:	No dangerous reactions known.
10.4 Conditions to avoid:	Incompatible materials. Heat, sparks & open flame. High temperatures, direct sunlight, ultraviolet radiation.
10.5 Incompatible materials:	Strong bases. Strong oxidizing agents.
10.6 Hazardous decomposition products:	Acrid fumes and smoke. Carbon monoxide & carbon.

Section 11 Toxicological information

11.1 Information on toxicological effects:

Acute toxicity:

LD50(Oral, Rat): > 2000 mg/kg bw

LD50(Dermal, Rabbit): Not available

LC50(Inhalation, Rat): Not available

Skin corrosion/Irritation: Not classified

Serious eye damage/irritation: Not classified

Respiratory or skin sensitization: Not classified

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive toxicity: Not classified

STOT- single exposure: Not classified

STOT-repeated exposure: Not classified

Aspiration hazard: Not classified

Section 12 Ecological information

12.1 Toxicity:

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	> 3.7 mg/L	96h	Fish	OECD 203	N/A	N/A
EC50	> 3.7 mg/L	24h	Daphnia	OECD 202	N/A	N/A
EC50	N/A	72h	Algae	OECD 201	N/A	N/A

12.2 Persistence and degradability: Not rapidly biodegradable.

12.3 Bioaccumulative potential: Not available.

12.4 Mobility in soil: The product is insoluble in water.

12.5 Results of PBT&vPvB assessment: Not available.

12.6 Other adverse effects: May cause long lasting harmful effects to aquatic life.

Section 13 Disposal considerations

13.1 Waste treatment methods: The material should be disposed of by incineration in a chemical incinerator in compliance with national and regional requirements.

Section 14 Transport information

	Land transport(ADR/RID)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN-Number	Not regulated	Not regulated	Not regulated
UN Proper shipping name	Not regulated	Not regulated	Not regulated
Transport hazard Class	Not regulated	Not regulated	Not regulated
Packaging group	Not regulated	Not regulated	Not regulated
Environmental hazards	No	No	No
Special precautions for user	See section 2.2	See section 2.2	See section 2.2
Transport in bulk according to	Not regulated	Not regulated	Not regulated

Annex II of Marpol and the IBC Code			
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Section 15 Regulation information

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

Relevant information regarding authorization: Not applicable.

Relevant information regarding restriction: Not applicable.

Other EU regulations: Employment restrictions concerning young person must be observed. For use only by technically qualified individuals.

Other National regulations: Not applicable

15.2 Chemical Safety Assessment has been carried out? YES NO

Section 16 Other information

16.1 Indication of changes:

Version 1.0 Amended by (EU) 2015/830

16.2 Training instructions:

Not applicable.

16.3 Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

16.4 Notice to reader:

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

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