

## MATERIAL SAFETY DATA SHEET

# UltraPerse W180

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

#### Identification of the substance or preparation

**Product name** : UltraPerse W180  
**Product code** : UP-W180  
**EINECS number** : Mixture.  
**Use of the substance/preparation** : Manufacture of personal care products.  
 Manufacture of cosmetics.

#### Company/undertaking identification

**Supplier** : Dynamo Chemicals Co. Ltd.  
 Suite C1019, Building 1, 151  
 Chuansha Rd, Shanghai,  
 201201, China

**Telephone no.** : +86-21-61556836, +86-13774313779

**Fax no.** : +86-21-51862903

**E-mail (Safety Data Sheet)** : info@dynamochem.com :

**Emergency telephone number of the company** : +86-21-61556836

See section 16.

### 2. Hazards identification

The preparation is classified as dangerous according to Directive 1999/45/EC and its amendments.

**Classification** : Xi; R36

**Human health hazards** : Irritating to eyes.

See section 11 for more detailed information on health effects and symptoms.

### 3. Composition/information on ingredients

**Substance/preparation** : Preparation

**Chemical family**: Acid. Polymer. Organic.

Ingredient name	CAS number	%	EC number	Classification
Polymeric alkoxybate	37280-82-3	60 - 100		Xi; R36
See section 16 for the full text of the R-phrases declared above				

Occupational exposure limits, if available, are listed in section 8.

## 4. First-aid measures

### First-aid measures

- Inhalation** : Move exposed person to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Obtain medical attention if symptoms occur. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Ingestion** : Wash out mouth with water. Remove dentures if any. Move exposed person to fresh air. Keep person warm and at rest. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Obtain medical attention if symptoms occur. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Obtain medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Eye contact** : Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

See section 11 for more detailed information on health effects and symptoms.

## 5. Fire-fighting measures

### Extinguishing media

- Suitable** : Use an extinguishing agent suitable for the surrounding fire.
- Special exposure hazards** : No specific hazard.
- Hazardous thermal decomposition products** : These products are carbon oxides (CO, CO<sub>2</sub>), phosphates.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.



## 6. Accidental release measures

- Personal precautions** : Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment.
- Environmental precautions** : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.
- Methods for cleaning up** : If emergency personnel are unavailable, contain spilt material. For small spills, add absorbent (soil may be used in the absence of other suitable materials), scoop up material and place in a sealable, liquid-proof container for disposal. For large spills, dyke spilt material or otherwise contain material to ensure runoff does not reach a waterway. Place spilt material in an appropriate container for disposal.

## 7. Handling and storage

- Handling** : Do not get in eyes or on skin or clothing. Keep container closed. Use only with adequate ventilation. Avoid breathing vapour or mist. Wash thoroughly after handling.
- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store below 0°C (32°F).
- Packaging materials**
- Recommended** : Use original container.

## 8. Exposure controls/personal protection

- Exposure limit values** : Not available.
- Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.
- Exposure controls**
- Occupational exposure controls** : No special ventilation requirements. Good general ventilation should be sufficient to control airborne levels. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.
- Respiratory protection** : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.  
Recommended: organic vapour filter (Type A)
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.  
>8 hour/hours (breakthrough time): Viton; <1 hour/hours (breakthrough time): nitrile rubber
- Eye protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.  
Recommended: splash goggles
- Skin protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.  
Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Protective clothing (pictograms)** :
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- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## 9. Physical and chemical properties

### General information

#### Appearance

- Physical state** : Liquid.
- Colour** : Tan. (Light.)
- Odour** : Aromatic. (Slight.)

### Important health, safety and environmental information

- pH** : 1.9 (Conc. (% w/w): 100) [Acidic.]
- Boiling point** : >325°C (617°F)
- Melting point** : -5°C (23°F)
- Pour point** : -5°C
- Flash point** : Not applicable.
- Density** : 1.09 g/cm<sup>3</sup> (15.6°C / 60.1°F)

## 9. Physical and chemical properties

**Solubility** : Soluble in cold water, hot water.

## 10. Stability and reactivity

**Stability** : The product is stable.

**Materials to avoid** : Reactive or incompatible with the following materials: oxidizing materials, acids and alkalis.

## 11. Toxicological information

### Potential acute health effects

**Inhalation** : No known significant effects or critical hazards.

**Ingestion** : No known significant effects or critical hazards.

**Skin contact** : No known significant effects or critical hazards.

**Eye contact** : Irritating to eyes.

### Acute toxicity

<u>Product/ingredient name</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
Polymeric alkoxyate	LD50	>5000 mg/kg	Oral	Rat
	LD50	>2000 mg/kg	Dermal	Rabbit

### Potential chronic health effects

**Carcinogenicity** : No known significant effects or critical hazards.

**Mutagenicity** : No known significant effects or critical hazards.

**Reproductive toxicity** : No known significant effects or critical hazards.

### Over-exposure signs/symptoms

**Target organs** : Contains material which causes damage to the following organs: eye, lens or cornea, hands.

## 12. Ecological information

### Ecotoxicity data

<u>Product/ingredient name</u>	<u>Species</u>	<u>Period</u>	<u>Result</u>
Polymeric alkoxyate	Fish (LC50)	96 hour/hours	>320 mg/l
	Algae (EC50)	96 hour/hours	>100 mg/l

### Other ecological information

#### Persistence/degradability

<u>Product/ingredient name</u>	<u>BOD<sub>5</sub></u>	<u>COD</u>	<u>ThOD</u>
UltraPerse 180	<0.006 g O <sub>2</sub> /g [0.25 d]	1.4 g O <sub>2</sub> /g	-

<u>Product/ingredient name</u>	<u>Aquatic half-life</u>	<u>Photolysis</u>	<u>Biodegradability</u>
UltraPerse 180	-	-	Not readily
Polymeric alkoxyate	-	-	Not readily

**Other adverse effects** : No known significant effects or critical hazards.

## 13. Disposal considerations

**Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

**Hazardous waste** : Yes.

## 14. Transport information

### International transport regulations

## 14. Transport information

Regulatory information	UN number	Proper shipping name	Class	PG*	Label	Additional information
<b>ADR/RID Class</b>	UN3265	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Polymeric alkoxyate)	8	III		<b>Hazard identification number</b> 80 <b>Limited quantity</b> LQ19 <b>CEFIC Tremcard</b> 80GC3-II+III
<b>ADNR Class</b>	UN3265	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Polymeric alkoxyate)	8	III		-
<b>IMDG Class</b>	UN3265	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Polymeric alkoxyate)	8	III		<b>Emergency schedules (EmS)</b> F-A, S-B
<b>IATA Class</b>	UN3265	Corrosive liquid, acidic, organic, n.o.s. (Polymeric alkoxyate)	8	III		

**Subsidiary class** : -

PG\* : Packing group

## 15. Regulatory information

### EU regulations

**Hazard symbol/symbols** :



Irritant

**Risk phrases** : R36- Irritating to eyes.

**Safety phrases** : S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S39- Wear eye/face protection.

**Product use** : Classification and labelling have been performed according to EU Directives 67/548/EEC and 1999/45/EC (including amendments) and the intended use.  
- Industrial applications.

## 16. Other information

**Full text of R-phrases referred to in sections 2 and 3 - United Kingdom (UK)** : R36- Irritating to eyes.

**Full text of classifications referred to in sections 2 and 3 - United Kingdom (UK)** : Xi - Irritant

### History

**Date of printing** : August 28, 2014

**Date of issue** : August 28, 2014

**Date of previous issue** : October 21, 2014

**Version** : 1

Indicates information that has changed from previously issued version.

## 16. Other information (continued)

**Notice to reader:**

*To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.*

*Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*