

Material Safety Data Sheet

ExtraPerse 600R

1. PRODUCT AND COMPANY IDENTIFICATION

| | |
|-----------------------|---|
| Trade name: | ExtraPerse 600R |
| Material uses: | Industrial applications: Manufacture of personal care products. |
| Supplier: | Dynamo Chemicals Co. Ltd. |
| Address: | Suite C1019, Building 1, 151 Chuansha Rd, Shanghai, 201201, China |
| Phone: | +86-21-31390737 |
| Fax: | +86-21-51862903 |

2. HAZARDS IDENTIFICATION

Physical state: Liquid. (Viscous liquid.)

Odor: Characteristic. (Slight.)

OSHA/HCS status: While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.

Emergency overview: No specific hazard

Route of entry: Dermal contact. Eye contact. Inhalation. Ingestion.

Potential acute health effects

Eyes: Slightly irritating to the eyes.

Skin: Slightly irritating to the skin.

Inhalation: No known significant effects or critical hazards.

Ingestion: No known significant effects or critical hazards.

Medical conditions aggravated by overexposure: Repeated skin exposure can produce local skin destruction or dermatitis. Repeated or prolonged contact with spray or mist may produce chronic eye irritation and severe skin irritation

See toxicological information (section 11)

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Name | CAS number | Percentage (%) |
|---------|------------|----------------|
| Polymer | 27924-99-8 | 60 - 100 |

4.FIRST AID MEASURES

Eye contact: Irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 15 minutes. Obtain medical attention.

Skin contact: Remove contaminated clothing. Wash skin with water. If symptoms develop, obtain medical attention.

Inhalation: Remove patient from exposure. Obtain medical attention if ill effects occur.

Ingestion: Wash out mouth with water and give 200-300 ml (half a pint) of water to drink. Do not induce vomiting. Obtain medical attention if ill effects occur.

Medical advice: Symptomatic treatment and supportive therapy as indicated.

5.FIRE FIGHTING MEASURES

Special hazards: Combustible. If involved in a fire, it may emit noxious and toxic fumes.

Protective equipment: A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

Extinguishing agents: water spray, foam, dry powder or CO₂.

6.ACCIDENTAL RELEASE MEASURES

Personal precautions: Ensure suitable personal protection during removal of spillages.

Methods for cleaning up: Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a container for disposal. Wash the spillage area clean. Washings must be prevented from entering surface water drains.

7.HANDLING AND STORAGE

Safe handling advice: Use only in well ventilated areas. Avoid contact with skin and eyes. Avoid inhalation of high concentrations of vapours.

Requirements for storage rooms: Keep container tightly closed.

8.EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits

No Occupational Exposure Limit Assigned.

Additional information on technical system design

Technical measures: Wear protective equipment to comply with good occupational hygiene practice.

Personal protection

Respiratory protect.: Wear suitable respiratory protective equipment if exposure to high levels of material are likely.

Eye protection: Wear eye/face protection.

Hand protection: Wear suitable gloves.

Body protection: Wear suitable protective clothing

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: viscous liquid / waxy solid

Colour: amber / brown

Odour: characteristic

Boiling point: Decomposes below boiling point.

Pour point: approx. 20 °C

Thermal decomposition: > 250 °C

Flash point: approx. 188 °C Method: closed cup

Autoignition temperature: No data.

Explosion limits:

lower: No data. upper: No data.

Specific gravity: approx. 0.93 at 20 °C Solubility: Solubility in/with water at 20 °C: insoluble

Solubility in/with other soluble in: hydrocarbon solvents , aromatic solvents, ketones , esters

pH-value (quant.): approx. 5.6

Partition coeff.: log P No data.

Oxidizing properties : None known.

Explosive properties : None known.

10. STABILITY AND REACTIVITY

Hazardous reactions (conditions to avoid): None known

Hazardous reactions (materials to avoid): None known

Hazardous decomposition products: See 'Fire Fighting Measures'.

11.TOXICOLOGICAL INFORMATION

ACUTE TOXICITY (IRRITATION, SENSITISATION ETC.)

Inhalation Symptoms: Unlikely route of exposure.

Skin contact Symptoms: Slight/mild irritant following a single application to rabbit skin. Severe/extremely severe irritant following repeated applications to rabbit skin. May cause skin irritation.

Eye contact Symptoms: Slight/mild irritant to rabbit eyes. May cause eye irritation in man.

Ingestion Symptoms: By analogy with a similar substance this material is unlikely to be harmful.

12.ECOLOGICAL INFORMATION

ELIMINATION

DOC removal

Degradability: > 90 %

Period: 28 day(s)

Method: MITI protocol

MOBILITY

Solubility

Results: The product is essentially insoluble in water.

ECOTOXICITY

Toxicity to fish

LC50 rainbow trout

Dose: > 180 mg/l

Period: 96 hours

Assessment: Low toxicity to fish.

Toxicity to bacteria

EC10 Sewage sludge organisms

Dose: > 100 mg/l

Period: 3 Hours

Assessment: Low toxicity to bacteria.

Method: ETAD 103

BIOCHEMICAL OXYGEN DEMAND

13.DISPOSAL CONSIDERATIONS

Disposal should be in accordance with local, state or national legislation.

14.TRANSPORT INFORMATION

Road transport ADR/RID

Not a dangerous substance as defined in the above regulation.

Maritime transport IMDG

Not a dangerous substance as defined in the above regulations

Air transport ICAO/IATA

Not a dangerous substance as defined in the above regulations

15.REGULATORY INFORMATION**Classification according to EEC directives**

Classification: Not Classified as Dangerous for Supply/Use.

S-phrases: (S24) Avoid contact with skin

16.OTHER INFORMATION

This data sheet was prepared in accordance with Directive 91/155/EEC.

The information on this sheet is not a specification, it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage and use of the product. It is not applicable to unusual or non-standard uses of the product nor where instructions or recommendations are not followed.