



Material Safety Data Sheet

According to Regulation (EC) No 1907/2006 (REACH) and its amendment (EU) 2020/878 (Annex II)

Hydrocarbon Resin ER-800

MSDS No.:408.01

Revision Date:18/12/2025

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

- **Product Name:** Hydrocarbon Resin ER-800
- **Chemical Name:** Naphtha (petroleum), light steam-cracked, debenzenized, polymers
- **Synonyms:** Petroleum resin; cyclodiene resin
- **CAS Number:** 69430-35-9

1.2. Relevant identified uses of the substance or mixture and uses advised against

- **Identified uses:** Additives for adhesives, paints, coatings, inks

1.3. Details of the supplier of the safety data sheet

| | |
|---------------------|--|
| Company Name | EcoGreen Chemicals (Zhangzhou) Co., Ltd. |
| Address | No.518, Shugang Road, Gulei Port Economic Development Zone, Zhangzhou China. |
| Postal Code | 363216 |
| Tel | +86-596-3747119 |
| Fax | +86-596-3747119 |
| Email | info@ecogreen.com |
| Web | http://www.ecogreen.com |

1.4. Emergency telephone number

- **Company emergency number:** +86-596-3747119
- **China National Poisons Control Centre:** +86-10-63131122

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

- **Classification according to Regulation (EC) No 1272/2008 (CLP):** Not classified as hazardous.
- **Other classifications:** None.

2.2. Label elements

- **According to CLP Regulation, labelling is not required.**
- **Hazard pictograms:** None.



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- **Signal word:** None.
- **Hazard statements (H-phrases):** None.
- **Precautionary statements (P-phrases):** None.

2.3. Other hazards

- **Results of PBT and vPvB assessment:** Not applicable (PBT: No, vPvB: No).
- **Endocrine disrupting properties:** Not applicable.
- **Other physical hazards:** May form combustible dust concentrations in air (during processing/handling). Material can accumulate static charges which may cause an ignition. Spilled pellets present a slipping hazard.
- **Health hazards:** If dust is generated, it could scratch the eyes and cause minor irritation to the respiratory tract. When heated, vapors/fumes may cause respiratory tract irritation.
- **Environmental hazards:** No significant hazards identified.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

- **Chemical Name:** Hydrocarbons, C6-20, polymers
- **CAS No.:** 69430-35-9
- **Concentration:** ≥ 99.5%
- **Note:** This material is defined as a complex substance (UVCB). May contain varying levels of antioxidants. No hazardous substances requiring disclosure based on available data.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

- **Inhalation:** At ambient temperatures, no adverse effects expected. In case of exposure to vapors/aerosols at elevated temperatures, move to fresh air. If breathing is difficult, administer oxygen. If breathing stops, give artificial respiration. Seek medical attention if irritation persists.
- **Skin contact:** Wash with soap and water. For contact with hot material: Immediately cool affected area with plenty of cold water for several minutes. Cover with a sterile dressing. Seek medical attention for burns.
- **Eye contact:** Rinse immediately with plenty of water for at least 15 minutes, holding eyelids open. Seek immediate medical attention.
- **Ingestion:** Rinse mouth with water. Do NOT induce vomiting. Seek medical advice if discomfort occurs.
- **Most important symptoms and effects:** No specific symptoms known.
- **Note to physician:** Treat symptomatically.

4.2. Indication of any immediate medical attention and special treatment needed: None.



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SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

- **Suitable:** Water fog, foam, dry chemical, carbon dioxide (CO₂).
- **Unsuitable:** Do not use straight water jets.

5.2. Special hazards arising from the substance or mixture

- **Hazardous combustion products:** Flammable hydrocarbons, carbon oxides, smoke, fumes.
- Containers may rupture under fire conditions.
- Fine dust dispersed in air can form explosive mixtures.

5.3. Advice for firefighters

- Wear self-contained breathing apparatus (SCBA) and full protective gear.
- Cool exposed containers with water spray to prevent re-ignition and rupture.
- Prevent runoff from fire control from entering drains or watercourses.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

- Avoid dust generation. Wear appropriate protective equipment (see Section 8).
- Ventilate the area.

6.2. Environmental precautions

- Prevent entry into sewers, waterways, and soil.
- Notify authorities if a significant spill enters the environment.

6.3. Methods and material for containment and cleaning up

- **For dry spills:** Collect spilled material mechanically (e.g., with a clean shovel) and place in a suitable container for disposal.
- Avoid creating dust clouds.
- **For spills into water:** Contain if possible. The material will sink. Seek expert advice.

6.4. Reference to other sections: See Sections 8 and 13.



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SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

- Minimize dust generation and accumulation. Use local exhaust ventilation.
- Implement grounding and bonding procedures to prevent static charge accumulation.
- Use non-sparking tools in areas where dust is present.
- Avoid prolonged exposure to elevated temperatures.
- Keep away from heat, sparks, open flames, and hot surfaces.

7.2. Conditions for safe storage, including any incompatibilities

- Store in a cool, dry, well-ventilated place.
- Keep containers tightly closed.
- Storage temperature: Store below the softening point to prevent caking/agglomeration.
- Incompatible materials: Strong oxidizing agents.
- Suitable packaging: Paper/plastic composite bags, polyethylene, polypropylene.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

- Occupational exposure limits: Not established.
- DNELs/PNECs: Not determined.

8.2. Exposure controls

- **Engineering measures:** Use closed systems and local exhaust ventilation. Ensure equipment is designed to prevent dust explosions.
- **Personal protective equipment (PPE):**
 - Respiratory protection:** In case of inadequate ventilation or dust generation, use a dust mask (EN 149 FFP2/FFP3 or equivalent). For emergency situations, use self-contained breathing apparatus.
 - Hand protection:** Wear protective gloves (e.g., nitrile rubber) to prevent mechanical irritation.
 - Eye protection:** Safety glasses with side shields.
 - Skin and body protection:** Wear appropriate work clothing.
- **Hygiene measures:** Wash hands thoroughly after handling. Do not eat, drink, or smoke in work area.



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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

| Property | Value/Description |
|---|---|
| Physical State | Solid |
| Appearance | Yellow, Granule, Powder, Flake. |
| Odor | None to Mild. |
| pH | Not applicable. |
| Oxidizing Properties | Not an oxidizer. |
| Boiling Point, °C | Not applicable. |
| Vapor Density (Air = 1) | Not applicable. |
| Vapor Pressure (at 20 °C), mmHg | Not applicable. |
| Heat Of Combustion, kJ/mol | Not determined. |
| Critical Temperature, °C | Not determined. |
| Critical Pressure, MPa | Not applicable. |
| Partition Coefficient (n-Octanol/Water) | Not applicable. |
| Flash Point, °C/°F | 200 / 392 (Cleveland Open cup Flash Point). |
| Tg, °C | Not determined. |
| Viscosity(@160°C), cPs | 1500-2500. |
| Auto Ignition Temperature, °C | Not determined. |
| Decomposition Temperature, °C | Not determined. |
| Combustion Limits, %(V/V) | Not determined. |
| Lower Flammability Limit, %(V/V) | Not determined. |
| Solubility in Water | Negligible. |
| Other Physical And Chemical Properties | See the TDS. |

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity: Stable under normal conditions.

10.2. Chemical stability: Stable.

10.3. Possibility of hazardous reactions: Hazardous polymerization will not occur.

10.4. Conditions to avoid: Excessive heat, open flames, ignition sources.

10.5. Incompatible materials: Strong oxidizing agents.

10.6. Hazardous decomposition products: Carbon oxides, smoke, fumes upon incomplete combustion.

SECTION 11: TOXICOLOGICAL INFORMATION

| | |
|----------------|---|
| Acute toxicity | Acute Oral (LD ₅₀ , rat): Not determined; Acute Dermal (LD ₅₀ , rabbit): Not determined. |
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|--|-----------------|
| Skin corrosion/irritation | Not determined. |
| Serious eye damage/irritation | Not determined. |
| Respiratory or skin sensitization | Not determined. |
| Germ cell mutagenicity | Not determined. |
| Carcinogenicity | Not determined. |
| Reproductive toxicity | Not determined. |
| STOT-single exposure | Not determined. |
| STOT-repeated exposure | Not determined. |
| Aspiration hazard | Not determined. |
| Endocrine disrupting properties | Not identified. |

SECTION 12: ECOLOGICAL INFORMATION

| | |
|---|--|
| Toxicity | Material -- Not expected to be harmful to aquatic organisms. Material -- Not expected to be harmful to terrestrial organisms. |
| Persistence and degradability | Biodegradation: Material -- Expected to be persistent. |
| Bioaccumulative potential | Material -- Potential to bioaccumulate is low. |
| Mobility in soil | Majority of components -- Expected to partition to sediment and wastewater solids. Minimally volatile. |
| Results of PBT and vPvB assessment | Not a PBT or vPvB substance. |
| Endocrine disrupting properties | The product does not contain substances with endocrine disrupting properties. |
| Other hazards | Not determined. |

SECTION 13: DISPOSAL CONSIDERATIONS

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|--------------------------------|--|
| Waste treatment methods | Dispose of in accordance with all applicable local, national, and international regulations. Incineration in a permitted waste incineration plant is an option. Do not contaminate water or soil with waste. |
| Uncleaned packaging: | Dispose of as product waste. |

SECTION 14: TRANSPORT INFORMATION

| | |
|-----------------------------------|------------------------------|
| UN Number | Not regulated for transport. |
| UN Proper Shipping Name | Not regulated for transport. |
| Transport Hazard Class(es) | Not regulated for transport. |



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| Packing Group | Not regulated for transport. |
| Environmental Hazards | Not classified as a Marine Pollutant. |
| Special precautions | No special requirements. |

SECTION 15: REGULATORY INFORMATION

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

- Directive 2012/18/EU
- Named dangerous substances - ANNEX I: Substance is not listed.
- Seveso category: Not applicable
- Qualifying quantity (tonnes) for the application of lower-tier requirements: Not applicable
- Qualifying quantity (tonnes) for the application of upper-tier requirements: Not applicable

| | |
|--|--------------------------|
| REGULATION (EU) 2019/1021 on persistent organic pollutants (POP) | Substance is not listed. |
| Regulation (EU) No 649/2012 | Substance is not listed. |

- REGULATION (EU) 2019/1148:

| | |
|--|--------------------------|
| Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3)) | Substance is not listed. |
| AnnexII - REPORTABLE EXPLOSIVES PRECURSORS | Substance is not listed. |
| Regulation (EC) No 273/2004 on drug precursors | Substance is not listed. |
| Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors | Substance is not listed. |
| REGULATION (EC) No 1005/2009 on substances that deplete the ozone layer – ANNEX I (Ozone- depleting potential) | Substance is not listed. |

- Other regulations, limitations and prohibitive regulations:

| | |
|--|--------------------------|
| SVHC Candidate List of REACH Regulation Annex XIV Authorisation (14/6/2023) | Substance is not listed. |
| REACH Regulation Annex XVII Restriction (8/6/2023) See Section 16 for information about restriction of use. | Substance is not listed. |
| REACH Regulation Annex XIV Authorisation List (8/4/2022) | Substance is not listed. |

15.2. Chemical safety assessment: A Chemical Safety Assessment (CSA) has not been carried out for this substance.



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SECTION 16: OTHER INFORMATION

· Recommended restriction of use: Not applicable.

· The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2020/878.

· **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

DOT: U.S. Dept. of Transportation

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predictor No-Effect Concentration (REACH)

NIOSH: National Institute for Occupational Safety and Health

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

· **Disclaimer:**

The information contained herein is based on the present state of our knowledge and is intended to describe the product for safety handling. It does not constitute a warranty of quality or property. Users are responsible to ensure safe handling practices comply with their specific conditions and applicable regulations.