## SAFETY DATA SHEET



Date of issue/Date of revision 5 December 2025

Version 3

### **Section 1. Identification**

Product name : SIGMA ECOFLEET 290 REDBROWN

**Product code** : 000010023130

Other means of

identification

: 00331470; 00482022

Product type : Liquid.

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

Product use : Professional applications, Used by spraying.

Use of the substance/

mixture

: Antifouling products

Uses advised against : Not applicable.

Manufacturer : PPG Industries, Inc.

One PPG Place

Pittsburgh, PA 15272 : (412) 434-4515 (U.S.)

**Emergency telephone** 

<u>number</u>

(514) 645-1320 (Canada)

SETIQ Interior de la República: 800-00-214-00 (México) SETIQ Ciudad de México: (55) 5559-1588 (México)

**Technical Phone Number**: 888-977-4762

### Section 2. Hazards identification

**OSHA/HCS** status

: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture

: FLAMMABLE LIQUIDS - Category 3 ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (inhalation) - Category 4

SKIN IRRITATION - Category 2 SERIOUS EYE DAMAGE - Category 1 SKIN SENSITIZATION - Category 1 CARCINOGENICITY - Category 1B

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 Percentage of the mixture consisting of ingredient(s) of unknown acute toxicity: 8.2% (oral), 23.7% (dermal), 31.9% (inhalation)

**GHS** label elements

**Hazard pictograms** 









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#### **Product name SIGMA ECOFLEET 290 REDBROWN**

#### Section 2. Hazards identification

Signal word

: Danger

**Hazard statements** 

: Flammable liquid and vapor.

Harmful if swallowed or if inhaled.

Causes skin irritation.

May cause an allergic skin reaction. Causes serious eve damage.

May cause cancer.

May cause damage to organs through prolonged or repeated exposure. (lungs)

#### **Precautionary statements**

**Prevention** 

: Dotain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use only outdoors or in a well-ventilated area. Do not breathe vapor. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace.

Response

Exposed or concerned: Get medical advice or attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell. IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. Rinse mouth. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. If skin irritation or rash occurs: Get medical advice or attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.

Storage

: Store locked up.

**Disposal** 

: Dispose of contents and container in accordance with all local, regional, national and international regulations.

Supplemental label elements

: Sanding and grinding dusts may be harmful if inhaled. Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Inhalation of vapor/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or death. Avoid contact with skin and clothing. Wash thoroughly after handling. Emits toxic fumes when heated.

Hazards not otherwise classified

: Prolonged or repeated contact may dry skin and cause irritation.

### Section 3. Composition/information on ingredients

Substance/mixture

: Mixture

**Product name** 

: SIGMA ECOFLEET 290 REDBROWN

Other means of identification

: 00331470; 00482022

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# Section 3. Composition/information on ingredients

Ingredient name	Synonyms	%	CAS number
dicopper oxide	copper (I) oxide; Copper oxide (Cu2O); Copper oxide; Cuprous oxide; copper(I) oxide containing by weight 78 % or more of copper and not more than 0,03 % of chloride; catalyst containing by weight of — 52 % (+/- 10 %) of cuprous oxide (CAS RN 1317-39-1), — 38 % (+/- 10 %) of cupric oxide (CAS RN 1317-38-0) and — 10 % (+/- 5 %) of metallic copper (CAS RN 7440-50-8); C.I. 77402; dicopper oxide; copper(1+) oxidocopper; Red copper oxide; Copper protoxide; Copper oxide, red	10 - 30	1317-39-1
rosin	colophony; Disproportionated rosin; Gum rosin; resin acids; Rosin core solder; rosin-based solder flux; ROSIN CORE SOLDER PYROLYSIS PRODUCTS; Rosin (wood); Rosin core solder thermal decomposition products; COLOPHONIUM; 3,4,5,6,7,8-Hexahydro- 2H-1-benzopyran-2-one	7 - 13	8050-09-7
zinc oxide	CI 77947; Zinc oxide fume; Zinc peroxide; Zinc, oxide Fume; ZINC OXIDE (ZNO); FLOWERS OF ZINC; zinc oxide, nanoparticles, uncoated; zinc oxide, nanoparticles, coated with [3-(methacryloxy)propyl] trimethoxysilane; C.I. Pigment White 4; Zinc monoxide; Zinc white	7 - 13	1314-13-2
4-methylpentan-2-one	isobutyl methyl ketone; 2-Pentanone, 4-methyl-; METHYL ISOBUTYL KETONE; 4-Methyl-2-pentanone; Isopropyl acetone; Hexone (Methyl isobutyl ketone); Hexone; 4-Methyl 2-pentanone; MIBK; isopropylacetone; MIK; methyl iso-butyl ketone; methyl 2-methylpropyl ketone; 4-methyl- 2-oxopentane	5 - 10	108-10-1
Solvent naphtha (petroleum), light aromatic	Low boiling point naphtha - unspecified; Solvent naphtha (petroleum), light arom; Solvent naphtha, petroleum, light aromatic; Aromatic hydrocarbon solvents - medium flashpoint; Light aromatic solvent naphtha; Solvent naphtha, light aromatic; Solvent naphtha (petroleum), light aromatic; Light aromatic solvent naphtha (petroleum) (C8 to C10); Solvent naphtha, petroleum, light arom.;	5 - 10	64742-95-6

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# Section 3. Composition/information on ingredients

	AROMATIC PETROLUEM DISTILLATE; SOLVENT, AROMATIC PETROLEUM		
diiron trioxide	Iron oxide (Fe2O3); Iron oxide; C.I. Pigment Red 101; Ferric oxide; Iron oxide, anhydrous; Iron oxide, red; Iron sesquioxide; Iron trioxide; iron oxide pigment; Iron oxide dust and fume (as Fe); Rouge	3 - 7	1309-37-1
1,2,4-trimethylbenzene	Benzene, 1,2,4-trimethyl-; .pseudoCumene; Pseudocumene; psi-Cumene; Asymmetrical trimethylbenzene; hemimellitene; solution of more than 61% but not more than 63% by weight of methylcyclopentadienyl manganese tricarbonyl (CAS RN 12108-13-3) in an aromatic hydrocarbon solvent, containing by weight not more than:—4,9% of 1,2,4-trimethylbenzene (CAS RN 95-63-6),—4,9% of naphthalene (91-20-3), and—0,5% of 1,3,5-trimethylbenzene (108-67-8); Trimethylbenzene; unsym-Trimethylbenzene; Trialkyl(C1-4) benzene; Tri-or tetramethylbenzene	1 - 5	95-63-6
Propane, 1-(ethenyloxy)-2-methyl-, polymer with chloroethene	Polymer of chloroethene / 2-methyl-1- (vinyloxy)propane; Vinyl chloride-Vinyl alkyl ether copolymer; 1-(Ethenyloxy) -2-methylpropane polymer with chloroethene; POLYMER, PROPANE, 1- (ETHENYLOXY)-2-METHYL WITH CHLOROETHENE; Copolymer of vinyl chloride and isobutyl vinyl ether	1 - 5	25154-85-2
zineb (ISO)	zinc ethylenebis (dithiocarbamate); zinc ethylenebis(dithiocarbamate) (polymeric); zineb; Z-78; Zinc, [[2-[(dithiocarboxy) amino]ethyl]carbamodithioato(2-)kappa. S,.kappa.S']-; zinc ethylenebisdithiocarbamate; zinc ethylenebisdithiocarbamate, polymeric; [{2-[(disulfanylmethyl)amino] ethyl}carbamodithioato(3-)-k2S,S']zincate (1-); Zinc, (ethylenebis(dithiocarbamato))-; Carbamodithioic acid, 1,2-ethanediylbis,zinc complex	1 - 5	12122-67-7
Calcite	Calcite (Ca(CO3)); Calcite, nanoparticles; Lceland spar	1 - 5	13397-26-7
xylene	Benzene, dimethyl-; Xylol; Benzene, dimethyl-, mixed isomers; xylene, mixed	1 - 5	1330-20-7

# Section 3. Composition/information on ingredients

•			
	isomers, pure; xylene, crude; photosensitive emulsion consisting of cyclized polyisoprene containing: — 55 % or more but not more than 75 % by weight of xylene (CAS RN 1330-20-7) and — 12 % or more but not more than 18 % by weight of ethylbenzene (CAS RN 100-41-4); Benzene, dimethyl-,; Xylene (mixed); xylene (total); Xylenes; Dimethylbenzene		
12-hydroxyoctadecanoic acid, reaction products with 1,3-benzenedimethanamine and hexamethylenediamine	E96095; Octadecanoic acid, 12-hydroxy-, reaction products with 1,3-benzenedimethanamine and hexamethylenediamine; 12-hydroxyoctadecanoic acid reaction products with 1,3-benzenedimethanamine and hexamethylenediamine	0.5 - 1.5	220926-97-6
ethylbenzene	Benzene, ethyl-; Phenylethane; Ethylbenzol; photosensitive emulsion consisting of cyclized polyisoprene containing: — 55 % or more but not more than 75 % by weight of xylene (CAS RN 1330-20-7) and — 12 % or more but not more than 18 % by weight of ethylbenzene (CAS RN 100-41-4); EB; Mono-(or di-) methyl (ethyl,bromoallyl, bromopropyloxycarbonyl) orchloropropyloxycarbonyl) benzene	0.1 - 1	100-41-4
cumene	Benzene, (1-methylethyl)-; Isopropylbenzene; 2-Phenyl propane; Cumol; 1-methylethylbenzene; Cumene (I); Benzene, (1-methylethyl)- (I); Benzene, 1-methylethyl-; isopropylbenzol; (1-methyl/ethyl)benzene; (1-Methylethyl) benzene	0.1 - 1	98-82-8

SUB codes represent substances without registered CAS Numbers.

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

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

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#### Section 4. First aid measures

If ingestion, irritation, any type of overexposure or symptoms of overexposure occur during or persists after use of this product, contact a POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN immediately; have Safety Data Sheet information available. Never give anything by mouth to an unconscious or convulsing person.

#### **Description of necessary first aid measures**

**Eye contact**: Check for and remove any contact lenses. Immediately flush eyes with running water for

at least 15 minutes, keeping eyelids open. Seek immediate medical attention.

**Inhalation** : Remove 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.

Skin contact : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water

or use recognized skin cleanser. Do NOT use solvents or thinners.

Ingestion : If swallowed, seek medical advice immediately and show this container or label. Keep

person warm and at rest. Do NOT induce vomiting.

#### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

**Eye contact** : Causes serious eye damage.

Inhalation : Harmful if inhaled.

**Skin contact**: Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.

**Ingestion**: Harmful if swallowed.

#### Over-exposure signs/symptoms

**Eye contact**: Adverse symptoms may include the following:

pain watering redness

**Inhalation** : No specific data.

**Skin contact**: Adverse symptoms may include the following:

pain or irritation

redness dryness cracking

blistering may occur

**Ingestion**: Adverse symptoms may include the following:

stomach pains

#### Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : In case of inhalation of decomposition products in a fire, symptoms may be delayed.

The exposed person may need to be kept under medical surveillance for 48 hours.

**Specific treatments** : No specific treatment.

**Protection of first-aiders**: No action shall be taken involving any personal risk or without suitable training. If it is

suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water

before removing it, or wear gloves.

#### See toxicological information (Section 11)

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#### **Product name SIGMA ECOFLEET 290 REDBROWN**

### Section 5. Fire-fighting measures

#### **Extinguishing media**

Suitable extinguishing

media

**Unsuitable extinguishing** 

media

: Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.

: Do not use water jet.

Specific hazards arising from the chemical

: Flammable liquid and vapor. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.

Hazardous thermal decomposition products

: Decomposition products may include the following materials:

carbon oxides nitrogen oxides sulfur oxides

halogenated compounds metal oxide/oxides

Special protective actions for fire-fighters

: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

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.

### Section 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders

: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**Environmental precautions** 

: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

#### Methods and materials for containment and cleaning up

**Small spill** 

: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

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### Section 6. Accidental release measures

#### Large spill

: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

### Section 7. Handling and storage

#### **Precautions for safe handling**

#### **Protective measures**

: Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

#### **Special precautions**

: Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Vapors are heavier than air and may spread along floors. If this material is part of a multiple component system, read the Safety Data Sheet(s) for the other component or components before blending as the resulting mixture may have the hazards of all of its parts.

# Advice on general occupational hygiene

: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

# Conditions for safe storage, : including any incompatibilities

: Store between the following temperatures: 0 to 35°C (32 to 95°F). Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

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# Section 8. Exposure controls/personal protection

#### **Control parameters**

#### **Occupational exposure limits**

Ingredient name	Exposure limits
dicopper oxide	ACGIH TLV (United States, 1/2025) [copper fume]
rosin	TWA 8 hours: 0.2 mg/m³. Form: Fume.  ACGIH TLV (United States, 1/2025) [resin acids] Skin sensitizer, Inhalation sensitizer.  TWA 8 hours: 0.001 mg/m³ (as total Resin
zinc oxide	acids). Form: Inhalable fraction.  ACGIH TLV (United States, 1/2025)  TWA 8 hours: 2 mg/m³. Form: Respirable fraction.
	STEL 15 minutes: 10 mg/m³. Form: Respirable fraction.  OSHA PEL (United States, 5/2018)  TWA 8 hours: 15 mg/m³. Form: Total dust.  TWA 8 hours: 5 mg/m³. Form: Respirable fraction.  TWA 8 hours: 5 mg/m³. Form: Fume.
4-methylpentan-2-one	ACGIH TLV (United States, 1/2025) TWA 8 hours: 20 ppm. STEL 15 minutes: 75 ppm. OSHA PEL (United States, 5/2018) TWA 8 hours: 100 ppm. TWA 8 hours: 410 mg/m³.
Solvent naphtha (petroleum), light aromatic diiron trioxide	None.  ACGIH TLV (United States, 1/2025)  TWA 8 hours: 5 mg/m³. Form: Respirable fraction.  OSHA PEL (United States, 5/2018)  TWA 8 hours: 15 mg/m³. Form: Total dust. TWA 8 hours: 5 mg/m³. Form: Respirable fraction.
1,2,4-trimethylbenzene	ACGIH TLV (United States, 1/2025) TWA 8 hours: 10 ppm.
Propane, 1-(ethenyloxy)-2-methyl-, polymer with chloroethene zineb (ISO) Calcite	None. None. CA Alberta Provincial (Canada, 3/2023) [Calcium carbonate] OEL 8 hours: 10 mg/m³.
xylene	ACGIH TLV (United States, 1/2025) [p-xylene and mixtures containing p-xylene] Ototoxicant. TWA 8 hours: 20 ppm. OSHA PEL (United States, 5/2018) [Xylenes] TWA 8 hours: 100 ppm. TWA 8 hours: 435 mg/m³.
12-hydroxyoctadecanoic acid, reaction products with	ACGIH TLV (United States)

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### Section 8. Exposure controls/personal protection

1,3-benzenedimethanamine and hexamethylenediamine TWA: 10 mg/m<sup>3</sup>. Form: Inhalable particle. TWA: 3 mg/m³ (inhalable dust). Form:

Respirable particle.

ACGIH TLV (United States, 1/2025) ethylbenzene

Ototoxicant.

TWA 8 hours: 20 ppm.

OSHA PEL (United States, 5/2018)

TWA 8 hours: 100 ppm. TWA 8 hours: 435 mg/m<sup>3</sup>.

ACGIH TLV (United States, 1/2025)

TWA 8 hours: 5 ppm.

OSHA PEL (United States, 5/2018) Absorbed

through skin.

TWA 8 hours: 50 ppm. TWA 8 hours: 245 mg/m<sup>3</sup>.

Key to abbreviations

Α = Acceptable Maximum Peak

ACGIH = American Conference of Governmental Industrial Hygienists. SR = Respiratory sensitization = Ceiling Limit SS = Skin sensitization С

F = Fume **IPEL** = Internal Permissible Exposure Limit STEL = Short term Exposure limit values TD = Total dust

= Potential skin absorption

**OSHA** Occupational Safety and Health Administration.

TLV = Threshold Limit Value TWA = Time Weighted Average

R = Respirable = OSHA 29 CFR 1910.1200 Subpart Z - Toxic and Hazardous Substances

#### Consult local authorities for acceptable exposure limits.

# procedures

**Recommended monitoring**: Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

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#### Appropriate engineering controls

cumene

: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

#### **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.

#### Individual protection measures

**Hygiene measures** 

: 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. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

#### **Eye/face protection** Skin protection

: Chemical splash goggles and face shield.

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### Section 8. Exposure controls/personal protection

Hand protection : Chemi

: 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. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Gloves : butyl rubber

**Body 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. When there is a risk of ignition from static electricity, wear antistatic protective clothing. For the greatest protection from static discharges, clothing

should include anti-static overalls, boots and gloves.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a

specialist before handling this product.

Respiratory protection : 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. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

The respiratory protection shall be in accordance to 29 CFR 1910.134.

### Section 9. Physical and chemical properties

**Appearance** 

Physical state : Liquid.

Color : Brownish-red.

Odor : Aromatic.

pH : Not applicable.Melting point : Not available.

**Boiling point** : >37.78°C (>100°F)

Flash point : Closed cup: 31°C (87.8°F)

Auto-ignition temperature : Not available.

Decomposition temperature : Not available.

Flammability : Not available.

Lower and upper explosive

(flammable) limits

: Not available.

Vapor pressure : Not available.
Vapor density : Not available.

Relative density : 1.68

Density ( lbs / gal ) : 14.02

Media Result

Solubility(ies) : cold water Not soluble

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### Section 9. Physical and chemical properties

Partition coefficient: n-

octanol/water

: Not applicable.

Viscosity : Dynamic (room temperature): Not available.

Kinematic (room temperature): Not available. Kinematic (40°C (104°F)): >21 mm²/s (>21 cSt)

% Solid. (w/w) : 74.236

**Particle characteristics** 

Median particle size : Not applicable.

### Section 10. Stability and reactivity

**Reactivity**: No specific test data related to reactivity available for this product or its ingredients.

**Chemical stability**: The product is stable.

Possibility of hazardous reactions

: Under normal conditions of storage and use, hazardous reactions will not occur.

**Conditions to avoid** 

: When exposed to high temperatures may produce hazardous decomposition products.

Refer to protective measures listed in sections 7 and 8.

**Incompatible materials** 

: Keep away from the following materials to prevent strong exothermic reactions:

oxidizing agents, strong alkalis, strong acids.

Hazardous decomposition

products

: Depending on conditions, decomposition products may include the following materials: carbon oxides nitrogen oxides sulfur oxides halogenated compounds metal oxide/

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oxides

### Section 11. Toxicological information

#### <u>Information on toxicological effects</u> Acute toxicity

Product/ingredient name	Result	Dose
of copper oxide	Rat - Oral - LD50	500 mg/kg
	Rat - Dermal - LD50	>2000 mg/kg
	Rat - Inhalation - LC50 Dusts and mists	3.34 mg/l [4 hours]
rosin	Rat - Oral - LD50	7600 mg/kg
	Rat - Dermal - LD50	>2000 mg/kg
zinc oxide	Rat - Oral - LD50	>5000 mg/kg
	Rat - Dermal - LD50	>2000 mg/kg
	Rat - Inhalation - LC50 Dusts and mists	>5700 mg/m³ [4 hours]
4-methylpentan-2-one	Rat - Oral - LD50	2.08 g/kg
	Rabbit - Dermal - LD50	>5000 mg/kg
	Rat - Inhalation - LC50 Vapor	11 mg/l [4 hours]
Solvent naphtha (petroleum), light aromatic	Rat - Oral - LD50	8400 mg/kg
	Rabbit - Dermal - LD50	3.48 g/kg

#### **Product name SIGMA ECOFLEET 290 REDBROWN**

### **Section 11. Toxicological information**

diiron trioxide  Rat - Oral - LD50 Rat - Inhalation - LC50 Dusts and mists  1,2,4-trimethylbenzene  Rat - Oral - LD50 Rat - Oral - LD50 Rat - Inhalation - LC50 Vapor Rat - Oral - LD50 Soundly it is in the interval of the interva				
mists 1,2,4-trimethylbenzene  1,2,4-trimethylbenzene  Rat - Oral - LD50 Rat - Inhalation - LC50 Vapor Rat - Oral - LD50	rioxide	Rat - Oral - LD50	10 g/kg	I
1,2,4-trimethylbenzene  Rat - Oral - LD50 Rat - Inhalation - LC50 Vapor Rat - Oral - LD50		Rat - Inhalation - LC50 Dusts and	>5 mg/l [4 hours]	
Rat - Inhalation - LC50 Vapor		mists		
zineb (ISO) xylene Rat - Oral - LD50  >2000 mg/kg 1.7 g/kg >2000 mg/kg  >2000 mg/kg  >2000 mg/kg  >2000 mg/kg	imethylbenzene	Rat - Oral - LD50	5 g/kg	
xylene  Rat - Oral - LD50 Rabbit - Dermal - LD50 12-hydroxyoctadecanoic acid, reaction products with 1,3-benzenedimethanamine and hexamethylenediamine  Rat - Oral - LD50 1.7 g/kg >2000 mg/kg  Rat - Dermal - LD50 >2000 mg/kg	·	Rat - Inhalation - LC50 Vapor	18000 mg/m³ [4 hours]	
xylene  Rat - Oral - LD50 Rabbit - Dermal - LD50 12-hydroxyoctadecanoic acid, reaction products with 1,3-benzenedimethanamine and hexamethylenediamine  Rat - Oral - LD50 1.7 g/kg >2000 mg/kg  Rat - Dermal - LD50 >2000 mg/kg	ISO)	Rat - Oral - LD50	>2000 mg/kg	
Rabbit - Dermal - LD50	,	Rat - Oral - LD50	4.3 g/kg	
12-hydroxyoctadecanoic acid, reaction products with 1,3-benzenedimethanamine and hexamethylenediamine   Rat - Oral - LD50   >2000 mg/kg   >2		Rabbit - Dermal - LD50		
products with 1,3-benzenedimethanamine and hexamethylenediamine Rat - Dermal - LD50 >2000 mg/kg	roxyoctadecanoic acid, reaction	Rat - Oral - LD50		
Rat - Dermal - LD50 >2000 mg/kg	ts with 1,3-benzenedimethanamine			
	xamethylenediamine			
Rat - Inhalation - LC50 Dusts and 3.56 mg/l [4 hours]	·	Rat - Dermal - LD50	>2000 mg/kg	
		Rat - Inhalation - LC50 Dusts and	3.56 mg/l [4 hours]	
mists		mists		
ethylbenzene Rat - Oral - LD50 3.5 g/kg	nzene	Rat - Oral - LD50	3.5 g/kg	
Rabbit - Dermal - LD50 17.8 g/kg		Rabbit - Dermal - LD50	17.8 g/kg	
Rat - Inhalation - LC50 Vapor 17.8 mg/l [4 hours]		Rat - Inhalation - LC50 Vapor	17.8 mg/l [4 hours]	
cumene Rabbit - Dermal - LD50 12.3 g/kg	e	Rabbit - Dermal - LD50	12.3 g/kg	
Rat - Oral - LD50 2260 mg/kg		Rat - Oral - LD50	2260 mg/kg	
Rat - Inhalation - LC50 Vapor 39000 mg/m³ [4 hours]		Rat - Inhalation - LC50 Vapor	39000 mg/m³ [4 hours]	

**Product Conclusion** There are no data available on the mixture itself.

#### **Skin corrosion/irritation**

Product/ingredient name	Species	Dose	Score
<b>x</b> ýlene	Rabbit - Skin - Moderate irritant	Amount/concentration applied: 500 mg	-
		Duration of treatment/exposure: 24 hours	

**Conclusion/Summary** 

Serious eye damage/eye irritation

**Conclusion/Summary** 

**Respiratory corrosion/irritation** 

There are no data available on the mixture itself.

There are no data available on the mixture itself.

There are no data available on the mixture itself.

**Conclusion/Summary** There are no data available on the mixture itself.

#### **Sensitization**

Product/ingredient name	Species	Result
<b>z</b> íneb (ISO)	Guinea pig - skin	Result: Sensitizing

#### Skin

Ingredient name	Summary	
zíneb (ISO)	Weakly positive.	
Conclusion/Summary	: There are no data available on the mixture itself.	
Respiratory		

**Conclusion/Summary Mutagenicity** 

**Conclusion/Summary** There are no data available on the mixture itself.

Carcinogenicity

**Conclusion/Summary** There are no data available on the mixture itself.

Classification

**United States** Page: 13/22

#### **Product name SIGMA ECOFLEET 290 REDBROWN**

### **Section 11. Toxicological information**

Product/ingredient name	OSHA	IARC	NTP
✓-methylpentan-2-one	-	2B	-
diiron trioxide	-	3	-
zineb (ISO)	-	3	-
xylene	-	3	-
ethylbenzene	-	2B	-
cumene	-	2B	Reasonably anticipated to be a human carcinogen.

**Carcinogen Classification** 

IARC: 1, 2A, 2B, 3, 4

code:

NTP: Known to be a human carcinogen; Reasonably anticipated to be a human carcinogen

OSHA: +

Not listed/not regulated: -

#### **Reproductive toxicity**

**Conclusion/Summary** 

: There are no data available on the mixture itself.

#### Specific target organ toxicity (single exposure)

Product/ingredient name	Result
4-methylpentan-2-one	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)
	(Narcotic effects) - Category 3
Solvent naphtha (petroleum), light aromatic	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)
	(Narcotic effects) - Category 3
1,2,4-trimethylbenzene	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)
	(Respiratory tract irritation) - Category 3
zineb (ISO)	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)
	(Respiratory tract irritation) - Category 3
xylene	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)
	(Respiratory tract irritation) - Category 3
cumene	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)
	(Respiratory tract irritation) - Category 3

#### Specific target organ toxicity (repeated exposure)

Product/ingredient name	Result
12-hydroxyoctadecanoic acid, reaction products with 1,3-benzenedimethanamine and hexamethylenediamine	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (lungs) (inhalation) - Category 2
ethylbenzene	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (hearing organs) - Category 2
cumene	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

#### **Target organs**

: Contains material which causes damage to the following organs: brain, central nervous system (CNS).

Contains material which may cause damage to the following organs: blood, kidneys, lungs, the nervous system, liver, gastrointestinal tract, upper respiratory tract, skin, eye, lens or cornea.

#### **Aspiration hazard**

Product/ingredient name	Result
Solvent naphtha (petroleum), light aromatic	ASPIRATION HAZARD - Category 1
xylene	ASPIRATION HAZARD - Category 1
ethylbenzene	ASPIRATION HAZARD - Category 1
cumene	ASPIRATION HAZARD - Category 1

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#### **Product name SIGMA ECOFLEET 290 REDBROWN**

### **Section 11. Toxicological information**

#### Information on the likely routes of exposure

#### Potential acute health effects

**Eye contact** : Causes serious eye damage.

Inhalation : Harmful if inhaled.

**Skin contact**: Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.

Ingestion : Harmful if swallowed.

#### **Over-exposure signs/symptoms**

**Eye contact**: Adverse symptoms may include the following:

pain watering redness

Inhalation : No specific data.

**Skin contact**: Adverse symptoms may include the following:

pain or irritation

redness dryness cracking

blistering may occur

**Ingestion**: Adverse symptoms may include the following:

stomach pains

#### Delayed and immediate effects and also chronic effects from short and long term exposure

**Conclusion/Summary** 

There are no data available on the mixture itself. Exposure to component solvent vapor concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. There is some evidence that repeated exposure to organic solvent vapors in combination with constant loud noise can cause greater hearing loss than expected from exposure to noise alone. If splashed in the eyes, the liquid may cause irritation and reversible damage. Ingestion may cause nausea, diarrhea and vomiting. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of

exposure and eye contact.

Short term exposure

**Potential immediate**: There are no data available on the mixture itself.

effects

**Potential delayed effects**: There are no data available on the mixture itself.

Long term exposure

**Potential immediate** : There are no data available on the mixture itself.

effects

Potential delayed effects: There are no data available on the mixture itself.

Potential chronic health effects

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#### **Product name SIGMA ECOFLEET 290 REDBROWN**

### **Section 11. Toxicological information**

**Conclusion/Summary** : There are no data available on the mixture itself.

General : May cause damage to organs through prolonged or repeated exposure. Prolonged

or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis. Once sensitized, a severe allergic reaction may occur when

subsequently exposed to very low levels.

**Carcinogenicity**: May cause cancer. Risk of cancer depends on duration and level of exposure.

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

#### **Numerical measures of toxicity**

#### **Acute toxicity estimates**

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
SIGMA ECOFLEET 290 REDBROWN	1573.6	3214.9	N/A	57.5	3.7
dicopper oxide	500	2500	N/A	N/A	3.34
rosin	7600	2500	N/A	N/A	N/A
zinc oxide	N/A	2500	N/A	N/A	N/A
4-methylpentan-2-one	2080	N/A	N/A	11	1.5
Solvent naphtha (petroleum), light aromatic	8400	3480	N/A	N/A	N/A
diiron trioxide	10000	N/A	N/A	N/A	N/A
1,2,4-trimethylbenzene	5000	N/A	N/A	18	1.5
zineb (ISO)	2500	N/A	N/A	N/A	N/A
xylene	4300	1700	N/A	11	1.5
12-hydroxyoctadecanoic acid, reaction products with 1,3-benzenedimethanamine and hexamethylenediamine	2500	2500	N/A	N/A	3.56
ethylbenzene	3500	17800	N/A	17.8	1.5
cumene	2260	12300	N/A	39	N/A

### **Section 12. Ecological information**

#### **Toxicity**

Product/ingredient name	Result	Species
dicopper oxide	LC50	Fish
	0.003 mg/l [96 hours]	
zinc oxide	Acute - EC50 - Fresh water	Daphnia - Water flea - Daphnia
	OECD	magna - Neonate
	Age: <24 hours	
	0.481 mg/l [48 hours]	
	Intoxication	
	Acute - EC50	Algae
	0.17 mg/l [72 hours]	
	Chronic - NOEC - Fresh water	Algae
	0.017 mg/l [72 hours]	
4-methylpentan-2-one	Acute - LC50	Fish
	>179 mg/l [96 hours]	
Solvent naphtha (petroleum), light aromatic	Acute - LC50	Fish

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### **Product name SIGMA ECOFLEET 290 REDBROWN**

# Section 12. Ecological information

	8.2 mg/l [96 hours]	
diiron trioxide	Acute - EC50	Daphnia
	OECD 202	
	>100 mg/l [48 hours]	
12-hydroxyoctadecanoic acid, reaction	Acute - LC50	Fish - Oncorhynchus mykiss
products with 1,3-benzenedimethanamine	OECD [Fish, Acute Toxicity Test]	(rainbow trout)
and hexamethylenediamine	>100 mg/l [96 hours]	,
	Acute - EC50	Daphnia - <i>Daphnia magna (Water</i>
	OECD [Daphnia sp. Acute	flea)
	Immobilization Test and	,
	Reproduction Test]	
	>100 mg/l [48 hours]	
	Acute - EC50	Algae - Pseudokirchneriella
	OECD [Alga, Growth Inhibition	subcapitata (microalgae)
	Test]	, , ,
	>100 mg/l [72 hours]	
	Chronic - NOEC	Daphnia - <i>Daphnia magna (Water</i>
	OECD [Daphnia Magna	flea)
	Reproduction Test]	,
	≥50 mg/l [21 days]	
	Chronic - NOEC	Algae - Pseudokirchneriella
	OECD [Alga, Growth Inhibition	subcapitata
	Test]	
	100 mg/l [72 hours]	
ethylbenzene	Acute - EC50 - Fresh water	Daphnia
	1.8 mg/l [48 hours]	
	Chronic - NOEC - Fresh water	Daphnia - Ceriodaphnia dubia
	1 mg/l	
	!	<u> </u>

Conclusion/Summary : Not available.

#### Persistence and degradability

Product/ingredient name	Result
<b></b> #-methylpentan-2-one	OECD 301F 83% [28 days] - Readily
12-hydroxyoctadecanoic acid, reaction products with 1,3-benzenedimethanamine and hexamethylenediamine	OECD [Ready Biodegradability - Closed Bottle Test] 9% [29 days] - Not readily
ethylbenzene	79% [10 days] - Readily

**Conclusion/Summary** : Not available.

**Bioaccumulative potential** 

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#### **Product name SIGMA ECOFLEET 290 REDBROWN**

### **Section 12. Ecological information**

Product/ingredient name	LogPow	BCF	Potential
<b>k</b> sin	1.9 to 7.7	-	High
4-methylpentan-2-one	1.9	-	Low
1,2,4-trimethylbenzene	3.63	120.23	Low
zineb (ISO)	1.3	-	Low
xylene	3.12	7.4 to 18.5	Low
12-hydroxyoctadecanoic	>6	-	High
acid, reaction products with			
1,3-benzenedimethanamine			
and hexamethylenediamine			
ethylbenzene	3.6	79.43	Low
cumene	3.55	35.48	Low

#### **Mobility in soil**

Soil/Water partition coefficient

: Not available.

### Section 13. Disposal considerations

**Disposal methods** 

: The generation of waste should be avoided or minimized wherever possible. 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. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees. Section 6. Accidental release measures

### 14. Transport information

	DOT	IMDG	IATA
UN number	UN1263	UN1263	UN1263
UN proper shipping name	PAINT	PAINT	PAINT
Transport hazard class (es)	3	3	3
Packing group	III	III	III

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#### **Product name SIGMA ECOFLEET 290 REDBROWN**

### 14. Transport information

Environmental hazards	No.	Yes.	Yes. The environmentally hazardous substance mark is not required.
Marine pollutant substances	Not applicable.	(dicopper oxide)	Not applicable.
Product RQ (lbs)	6404.9	Not applicable.	Not applicable.
RQ substances	(xylene)	Not applicable.	Not applicable.

#### **Additional information**

**DOT** : Package sizes shipped in quantities less than the product reportable quantity are not subject to the

RQ (reportable quantity) transportation requirements.

**IMDG** : The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg.

**IATA** : The environmentally hazardous substance mark may appear if required by other transportation

regulations.

Special precautions for user : Transport within user's premises: always transport in closed containers that are

upright and secure. Ensure that persons transporting the product know what to do in

the event of an accident or spillage.

Transport in bulk according : Not applicable.

to IMO instruments

### Section 15. Regulatory information

#### **United States**

United States inventory (TSCA 8b): At least one component is not listed and at least one component is inactive.

#### **SARA 302/304**

SARA 304 RQ : Not applicable.

Composition/information on ingredients

No products were found.

#### **SARA 311/312**

Classification : FLAMMABLE LIQUIDS - Category 3

ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (inhalation) - Category 4

SKIN IRRITATION - Category 2 SERIOUS EYE DAMAGE - Category 1 SKIN SENSITIZATION - Category 1 CARCINOGENICITY - Category 1B

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

HNOC - Defatting irritant

Composition/information on ingredients

United States Page: 19/22

### **Product name SIGMA ECOFLEET 290 REDBROWN**

# Section 15. Regulatory information

Name	%	Classification
dicopper oxide	≥20 - ≤44	ACUTE TOXICITY (oral) - Category 4
		ACUTE TOXICITY (inhalation) - Category 4
		SERIOUS EYE DAMAGE - Category 1
rosin	≥10 - ≤18	COMBUSTIBLE DUSTS
		SKIN SENSITIZATION - Category 1B
4-methylpentan-2-one	≥5.0 - ≤10	FLAMMABLE LIQUIDS - Category 2
		ACUTE TOXICITY (inhalation) - Category 4
		EYE IRRITATION - Category 2A
		CARCINOGENICITY - Category 2
		SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)
		(Narcotic effects) - Category 3
Colvent nephthe (netroleum)	>E 0 <0.6	HNOC - Defatting irritant
Solvent naphtha (petroleum),	≥5.0 - ≤9.6	FLAMMABLE LIQUIDS - Category 3 SKIN IRRITATION - Category 2
light aromatic		SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)
		(Narcotic effects) - Category 3
		ASPIRATION HAZARD - Category 1
		HNOC - Defatting irritant
1,2,4-trimethylbenzene	≥1.0 - ≤5.0	FLAMMABLE LIQUIDS - Category 3
, ,		ACUTE TOXICITY (inhalation) - Category 4
		SKIN IRRITATION - Category 2
		EYE IRRITATION - Category 2A
		SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)
		(Respiratory tract irritation) - Category 3
		HNOC - Defatting irritant
Propane, 1-(ethenyloxy)	≥1.0 - ≤5.0	COMBUSTIBLE DUSTS
-2-methyl-, polymer with		EYE IRRITATION - Category 2A
chloroethene	>4.0 45.0	COMPLICTIBLE DUCTO
zineb (ISO)	≥1.0 - ≤5.0	COMBUSTIBLE DUSTS
		SKIN SENSITIZATION - Category 1B SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)
		(Respiratory tract irritation) - Category 3
xylene	≥0.10 - ≤2.5	FLAMMABLE LIQUIDS - Category 3
Aylone	_0.10 _2.0	ACUTE TOXICITY (dermal) - Category 4
		ACUTE TOXICITY (inhalation) - Category 4
		SKIN IRRITATION - Category 2
		EYE IRRITATION - Category 2A
		SPECIFIC TARGET ORĞAN TOXICITY (SINGLE EXPOSURE)
		(Respiratory tract irritation) - Category 3
		ASPIRATION HAZARD - Category 1
12-hydroxyoctadecanoic acid,	≤1.7	COMBUSTIBLE DUSTS
reaction products with		ACUTE TOXICITY (inhalation) - Category 4
1,3-benzenedimethanamine and		SPECIFIC TARGET ORGAN TOXICITY (REPEATED
hexamethylenediamine	<1.0	EXPOSURE) - Category 2
ethylbenzene	1.0	FLAMMABLE LIQUIDS - Category 2 ACUTE TOXICITY (inhalation) - Category 4
		CARCINOGENICITY (Illinatation) - Category 4
		SPECIFIC TARGET ORGAN TOXICITY (REPEATED
		EXPOSURE) - Category 2
		ASPIRATION HAZARD - Category 1
		, , , , , , , , , , , , , , , , , , ,
		HNOC - Defatting irritant

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# Section 15. Regulatory information

			_
cumene	<1.0	FLAMMABLE LIQUIDS - Category 3	
		CARCINOGENICITY - Category 1B	
		SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)	
		(Respiratory tract irritation) - Category 3	
		SPECIFIC TARGET ORGAN TOXICITY (REPEATED	
		EXPOSURE) - Category 2	
		ASPIRATION HAZARD - Category 1	
		HNOC - Defatting irritant	

#### **SARA 313**

**Chemical name CAS** number **Concentration** 10 - 30 **Supplier notification** : dicopper oxide 1317-39-1 zinc oxide 1314-13-2 7 - 13 4-methylpentan-2-one 108-10-1 5 - 101,2,4-trimethylbenzene 1 - 5 95-63-6 zineb (ISO) 12122-67-7 1 - 5 xylene 1330-20-7 1 - 5 0.1 - 1 ethylbenzene 100-41-4 cumene 98-82-8 0.1 - 1

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

Additional environmental information is contained on the Environmental Data Sheet for this product, which can be obtained from your PPG representative.

#### California Prop. 65

MARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

### Section 16. Other information

Please refer to Section 2 of this document for GHS hazard classifications. The customer is responsible for determining the PPE code for this material.

Date of previous issue : 7/16/2025
Organization that prepared : EHS

the SDS

Key to abbreviations : ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973

as modified by the Protocol of 1978. ("Marpol" = marine pollution)

N/A = Not available SGG = Segregation Group UN = United Nations

Indicates information that has changed from previously issued version.

**Disclaimer** 

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Date of issue 5 December 2025 Version 3

**Product name SIGMA ECOFLEET 290 REDBROWN** 

### Section 16. Other information

The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by PPG, and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.

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