SAFETY DATA SHEET



Date of issue

7 July 2024

Version 8

Section 1. Product and company identification

Product name
Product code
Other means of identification
Product type

- : SIGMA ECOFLEET 290 REDBROWN
- : 00139362
- : Not available.
- : Liquid.

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

Identified uses

Coating. Paints. Painting-related materials.

Uses advised against	Reason
Not applicable.	

Supplier's details:	
Supplier	 PPG Industries Colombia Ltda Calle 51 # 40-13 Municipio de Itagüí Antioquia, Colombia (57) (4) 3787400 (Porteria)
Email address:	: HazComLatam@ppg.com
Emergency telephone number	: Colombia: 01 8000 916012 (CISPROQUIM) + 571 288 6012 (CISPROQUIM) Ecuador: 1800-59-3005 (CISPROQUIM) Peru: 080-050-847 (CISPROQUIM)

Section 2. Hazards identification

Classification of the substance or mixture	 AMMABLE LIQUIDS - Category 3 ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (dermal) - Category 5 ACUTE TOXICITY (inhalation) - Category 4 SKIN IRRITATION - Category 2 SERIOUS EYE DAMAGE - Category 1 SKIN SENSITIZATION - Category 2 CARCINOGENICITY - Category 2 ACUTE CATEGORY 2 CARCINOGENICITY - Category 2 ACUTE CATEGORY 3 ACUTE CATEGORY 4 ACUTE CAT
	CARCINOGENICITY - Category 2 AQUATIC HAZARD (ACUTE) - Category 1
	AQUATIC HAZARD (LONG-TERM) - Category 1

7 July 2024

Section 2. Hazards identification

Target organs	: Contains material which causes damage to the following organs: brain. Contains material which may cause damage to the following organs: blood, kidneys, lungs, the nervous system, liver, bladder, gastrointestinal tract, cardiovascular system, upper respiratory tract, skin, central nervous system (CNS), ears, eye, lens or cornea.
	Percentage of the mixture consisting of ingredient(s) of unknown acute oral toxicity: 6.4%
	Percentage of the mixture consisting of ingredient(s) of unknown acute dermal toxicity: 13.5%

Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 23.9%

Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 8%

GHS label elements	
Hazard pictograms	
Signal word	: Danger
Hazard statements	 Flammable liquid and vapor. Harmful if swallowed or if inhaled. May be harmful in contact with skin. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. Suspected of causing cancer. Very toxic to aquatic life with long lasting effects.
Precautionary statements	
Prevention	: Øbtain special instructions before use. 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 explosion-proof electrical, ventilating or lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Avoid release to the environment. Avoid breathing vapor. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.
Response	: Collect spillage. IF exposed or concerned: Get medical advice or attention. IF INHALED: Call a POISON CENTER or doctor if you feel unwell. Take off contaminated clothing and wash it before reuse. IF ON SKIN: Call a POISON CENTER or doctor if you feel unwell. Wash with plenty of 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	: 🖻 tore in a well-ventilated place. Keep cool.
Disposal	: Dispose of contents and container in accordance with all local, regional, national and international regulations.
Other hazards which do not result in classification	: Prolonged or repeated contact may dry skin and cause irritation.

Section 3. Composition/information on ingredients

Substance/mixture Other means of identification

CAS number

: Mixture

: Not available.

CAS number/other identifiers

: Not applicable.

Ingredient name	%	CAS number
dicopper oxide	30 - <60	1317-39-1
xylene	10 - <12.5	1330-20-7
rosin	10 - <12.5	8050-09-7
zinc oxide	10 - <12.5	1314-13-2
4-methylpentan-2-one	7 - <10	108-10-1
Propane, 1-(ethenyloxy)-2-methyl-, polymer with chloroethene	5 - <7	25154-85-2
diiron trioxide	3 - <5	1309-37-1
diuron (ISO)	3 - <5	330-54-1
ethylbenzene	2 - <3	100-41-4
Talc , not containing asbestiform fibres	1 - <2	14807-96-6
copper oxide	1 - <2	1317-38-0
copper	0.5 - <1	7440-50-8

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.

SUB codes represent substances without registered CAS Numbers.

Section 4. First aid measures

Description of necessary fir	aid measu	<u>ires</u>
Eye contact		or and remove any contact lenses. Immediately flush eyes with running r at least 15 minutes, keeping eyelids open. Seek immediate medical n.
Inhalation	irregular	e to fresh air. Keep person warm and at rest. If not breathing, if breathing is or if respiratory arrest occurs, provide artificial respiration or oxygen by personnel.
Skin contact		e contaminated clothing and shoes. Wash skin thoroughly with soap and use recognized skin cleanser. Do NOT use solvents or thinners.
Ingestion		wed, seek medical advice immediately and show this container or label. rson warm and at rest. Do NOT induce vomiting.
Indication of immediate med	al attentio	n and special treatment needed, if necessary
Notes to physician Specific treatments	The exp	of inhalation of decomposition products in a fire, symptoms may be delayed. osed person may need to be kept under medical surveillance for 48 hours. ific treatment.
Protection of first-aiders	No actio is suspe mask or providing	n shall be taken involving any personal risk or without suitable training. If it cted that fumes are still present, the rescuer should wear an appropriate self-contained breathing apparatus. It may be dangerous to the person g aid to give mouth-to-mouth resuscitation. Wash contaminated clothing nly with water before removing it, or wear gloves.
Potential acute health effect		

ntial acute neaith

Code	00139362	Date of issue	7 July 2024	Version 8	
Product nam	ie	SIGMA ECOFLEET 290 REDBROWN			

Section 4. First aid measures

Eye contact	: Causes serious eye damage.
Inhalation	: Harmful if inhaled.
Skin contact	 May be harmful in contact with skin. Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.
Ingestion	: Harmful if swallowed.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media	
Suitable extinguishing media	: Use dry chemical, CO ₂ , water spray (fog) or foam.
Unsuitable extinguishing media	: Do not use water jet.
Specific hazards arising from the chemical	: Flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. This material is very toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon oxides nitrogen 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). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

Section 6. Accidental release measures

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.
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	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. Avoid release to the environment. 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.
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. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

<u>Control parameters</u> <u>Occupational exposure limits</u> 8

Section 8. Exposure controls/personal protection

Ingredient name	Exposure limits
dícopper oxide	ACGIH TLV (United States, 7/2023). [copper fume]
xylene	TWA: 0.2 mg/m ³ 8 hours. Form: Fume ACGIH TLV (United States, 7/2023). [p-
	xylene and mixtures containing p-xylene] Ototoxicant.
rosin	TWA: 20 ppm 8 hours. ACGIH TLV (United States, 7/2023). [resin acids] Skin sensitizer. Inhalation
	sensitizer. TWA: 0.001 mg/m³, (as total Resin acids) 8
zina avida	hours. Form: Inhalable fraction
zinc oxide	ACGIH TLV (United States, 7/2023). STEL: 10 mg/m ³ 15 minutes. Form:
	Respirable fraction TWA: 2 mg/m³ 8 hours. Form: Respirable
4-methylpentan-2-one	fraction ACGIH TLV (United States, 7/2023).
	STEL: 75 ppm 15 minutes. TWA: 20 ppm 8 hours.
diiron trioxide	ACGIH TLV (United States, 7/2023). TWA: 5 mg/m ³ 8 hours. Form: Respirable
diuron (ISO)	fraction ACGIH TLV (United States, 7/2023).
	TWA: 10 mg/m ³ 8 hours.
ethylbenzene	ACGIH TLV (United States, 7/2023). Ototoxicant.
Talc , not containing asbestiform fibres	TWA: 20 ppm 8 hours. ACGIH TLV (United States, 7/2023).
copper oxide	TWA: 2 mg/m ³ 8 hours. Form: Respirable ACGIH TLV (United States, 7/2023).
	[copper fume] TWA: 0.2 mg/m³ 8 hours. Form: Fume
· · · · · · · · · · · · · · · · · · ·	appropriate monitoring standards. Reference to for methods for the determination of hazardous red.
	ation. Use process enclosures, local exhaust g controls to keep worker exposure to airborne
contaminants below any reco also need to keep gas, vapor	mmended or statutory limits. The engineering controls or dust concentrations below any lower explosive
	work process equipment should be checked to ensure
cases, fume scrubbers, filters	nents of environmental protection legislation. In some or engineering modifications to the process to reduce emissions to acceptable levels.

Individual protection measures

Section 8. Expos	ure controls/personal protection
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 protection Skin protection	: Chemical splash goggles and face shield.
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. 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 anti-static 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.

Section 9. Physical and chemical properties

<u>Appearance</u>	
Physical state	: Liquid.
Color	: Brownish-red.
Odor	: Characteristic.
рН	: Not applicable.
Melting point	: Not available.
Boiling point	: >37.78°C (>100°F)
Flash point	: Closed cup: 24°C (75.2°F)
Evaporation rate	: Not available.
Flammability (solid, gas)	: Not available.
Lower and upper explosive (flammable) limits	: Not available.
Vapor pressure	: Not available.
Vapor density	: Not available.
Relative density	: 1.76

Section 9. Physical and chemical properties

Solubility(ies)		Media Result				
Solubility(les)		old water Not soluble				
Partition coefficient: n- octanol/water	:	Not applicable.				
Auto-ignition temperature	:	Not available.				
Decomposition temperature	:	Not available.				
Viscosity	:	Kinematic (40°C (104°F)): >21 mm²/s (>21 cSt)				

Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients	3.
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.	
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 mate carbon oxides nitrogen oxides halogenated compounds metal oxide/oxides	rials

Section 11. Toxicological information

Information on toxicological effects

Acute	toxicity
/ touto	toxioity

Product/ingredient name	Result	Species	Dose	Exposure
dícopper oxide	LC50 Inhalation Dusts and mists	Rat	3.34 mg/l	4 hours
	LD50 Dermal	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	500 mg/kg	-
xylene	LD50 Dermal	Rabbit	1.7 g/kg	-
-	LD50 Oral	Rat	4.3 g/kg	-
rosin	LD50 Dermal	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	7600 mg/kg	-
zinc oxide	LC50 Inhalation Dusts and mists	Rat	>5700 mg/m ³	4 hours
	LD50 Dermal	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
4-methylpentan-2-one	LC50 Inhalation Vapor	Rat	11 mg/l	4 hours
	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	2.08 g/kg	-
diiron trioxide	LC50 Inhalation Dusts and mists	Rat	>5 mg/l	4 hours
	LD50 Oral	Rat	10 g/kg	-
diuron (ISO)	LD50 Dermal	Rat	>5 g/kg	-
	LD50 Oral	Rat	1 g/kg	-
ethylbenzene	LC50 Inhalation Vapor	Rat	17.8 mg/l	4 hours
	LD50 Dermal	Rabbit	17.8 g/kg	-
	LD50 Oral	Rat	3.5 g/kg	-
		English (US) Colombia	8/1

Code	00139362	Date of	fissue	7 July 2024	Version	8
Product nam	e	SIGMA ECOFLEET 290 REDBROWN				

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copper oxide copper	LD50 Oral LC50 Inhalation Dusts and mists		Rat Rat		>2000 mg/kg >5.11 mg/l		hours	
Conclusion/Summary	: There ar	e no data ava	ailable on	the mix	xture itsel	0		
Product/ingredient name	Result		Spec	ies	Score	e Expo	sure	Observation
xylene	Skin - Mod	erate irritant	Rabb	it	-	24 hou mg	urs 500	-
Conclusion/Summary					I			
Skin	: There ar	e no data ava	ailable on	the mix	xture itsel	f.		
Eyes	: There ar	e no data ava	ailable on	the mix	xture itsel	f.		
Respiratory	: There ar	e no data ava	ailable on	the mix	xture itsel	f.		
Sensitization								
Not available.								
Conclusion/Summary								
Skin	: There ar	e no data ava	ailable on	the mix	xture itsel	f.		
Respiratory	: There ar	e no data ava	ailable on	the mix	xture itsel	f.		
Mutagenicity								
Not available.								
Conclusion/Summary	• There or	e no data ava	ailable on	the mix	vtura iteal	f		
Conclusion/Summary	. There ar	e no uala ava				1.		
Not available.								
Conclusion/Summary	: There ar	e no data ava	ailable on	the mix	xture itsel	f.		
<u>Classification</u>								
Product/ingredient name	OSHA	IARC N	ТР					
x ylene	-	3 -						
4-methylpentan-2-one	-	2B -						
diiron trioxide	-	3 - 2B -						
ethylbenzene	-	20 -						
Carcinogen Classification								
IARC: 1, 2A, 2B, 3,	4							

NTP: Known to be a human carcinogen; Reasonably anticipated to be a human carcinogen OSHA: + Not listed/not regulated: -

Reproductive toxicity

Not available.

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

Teratogenicity

Not available.

Conclusion/Summary : There are no data available on the mixture itself. Specific target organ toxicity (single exposure)

Section 11. Toxicological information

Name	Category	Route of exposure	Target organs
x ylene	Category 3	-	Respiratory tract irritation
4-methylpentan-2-one	Category 3	-	Narcotic effects
Talc , not containing asbestiform fibres	Category 3	-	Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Name	•••	Route of exposure	Target organs
	Category 2 Category 2	-	- hearing organs

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Target organs
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: Contains material which causes damage to the following organs: brain. Contains material which may cause damage to the following organs: blood, kidneys, lungs, the nervous system, liver, bladder, gastrointestinal tract, cardiovascular system, upper respiratory tract, skin, central nervous system (CNS), ears, eye, lens or cornea.

Aspiration hazard

Name	Result
4-methylpentan-2-one	ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 2 ASPIRATION HAZARD - Category 1

Information on the likely routes of exposure	: Not available.
Potential acute health effect	
Eye contact	: Causes serious eye damage.
Inhalation	: Harmful if inhaled.
Skin contact	: May be harmful in contact with skin. Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.
Ingestion	: Harmful if swallowed.
Symptoms related to the ph	sical, chemical and toxicological characteristics
Eye contact	: Adverse symptoms may include the following: pain watering redness
Inhalation	: 🕅 specific data.
Skin contact	: Adverse symptoms may include the following: pain or irritation redness dryness cracking blistering may occur

7 July 2024

Section 11. Toxicological information

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.
<u>Short term exposure</u>	
Potential immediate effects	: There are no data available on the mixture itself.
Potential delayed effects	: There are no data available on the mixture itself.
<u>Long term exposure</u>	
Potential immediate effects	: There are no data available on the mixture itself.
Potential delayed effects	: There are no data available on the mixture itself.
Potential chronic health eff	ects
Not available.	
General	: 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	Suspected of causing cancer. Risk of cancer depends on duration and level of

- **Carcinogenicity** : Suspected of causing 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)
		English (U	S) Colomb	ia	11/15

Code 00139362 Product name SIGMA ECOFLEET 290 REDBR	Date of issue ROWN	7 Ju	uly 2024	Versi	on 8
Section 11. Toxicological ir	formation				
SIGMA ECOFLEET 290 REDBROWN	1191.2	2922.1	N/A	40.3	3.0
dicopper oxide	500	2500	N/A	N/A	3.34
xylene	4300	1700	N/A	11	1.5
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
diiron trioxide	10000	N/A	N/A	N/A	N/A
diuron (ISO)	1000	N/A	N/A	N/A	N/A
ethylbenzene	3500	17800	N/A	17.8	1.5
copper oxide	2500	N/A	N/A	N/A	N/A

Other information

: Not available.

Section 12. Ecological information

Ecotoxicity

Product/ingredient name	Result	Species	Exposure
dicopper oxide	LC50 0.003 mg/l	Fish	96 hours
zinc oxide	Acute EC50 0.17 mg/l	Algae	72 hours
	Acute EC50 0.481 mg/l Fresh water	Daphnia - <i>Daphnia magna</i> - Neonate	48 hours
	Chronic NOEC 0.017 mg/l Fresh water	Algae	72 hours
4-methylpentan-2-one	Acute LC50 >179 mg/l	Fish	96 hours
diiron trioxide	Acute EC50 >100 mg/l	Daphnia	48 hours
diuron (ISO)	Acute EC50 0.031 mg/l	Algae	72 hours
	Acute EC50 0.022 mg/l	Algae	96 hours
	Acute EC50 0.018 mg/l	Aquatic plants	72 hours
	Acute EC50 1.4 mg/l	Daphnia	48 hours
	Acute LC50 14.7 mg/l	Fish	96 hours
	Chronic NOEC 0.0032 mg/l Fresh water	Algae - Desmodesmus subspicatus	72 hours
	Chronic NOEC 0.56 mg/l	Daphnia	21 days
	Chronic NOEC 0.41 mg/l	Fish	28 days
ethylbenzene	Acute EC50 1.8 mg/l Fresh water	Daphnia	48 hours
-	Chronic NOEC 1 mg/l Fresh water	Daphnia - Ceriodaphnia dubia	-
copper	Acute LC50 810 ppb	Fish	96 hours
	Chronic EC10 8.1 µg/l	Daphnia - <i>Daphnia magna</i> - Neonate	21 days

Persistence/degradability

Product/ingredient name	Test	Result		Dose		Inoculum
methylpentan-2-one ethylbenzene	OECD 301F -	83 % - Readily - 28 days 79 % - Readily - 10 days		-		-
Product/ingredient name	Aquatic half-life		Photolysis		Biodeg	radability
ylene 4-methylpentan-2-one ethylbenzene	- - -		- -		Readily Readily Readily	/

Bioaccumulative potential

English (US) Colombia	12/15
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Code 00139362 Product name SIGMA EC	Da COFLEET 290 REDBROWN	ate of issue	7 July 2024	Version 8
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Section 12. Ecolo	ogical information	tion		
Product/ingredient name	LogPow	BCF		Potential
Xylene rosin 4-methylpentan-2-one diuron (ISO) ethylbenzene Mobility in soil Soil/water partition coefficient (Koc)	3.12 1.9 to 7.7 1.9 2.84 3.6 : Not available.	7.4 to 18.5 - - 14.13 79.43		Low High Low Low Low
Other adverse effects	: No known signific	ant effects or critical	hazards.	
Section 13. Dispo	osal considera	tions		
Disposal methods	Disposal of this pr with the requireme and any regional l recyclable produc	oduct, solutions and ents of environmenta ocal authority require ts via a licensed was	any by-product I protection and ements. Dispos te disposal con	zed wherever possible. s should at all times comply waste disposal legislation e of surplus and non- tractor. Waste should not be ant with the requirements of

	UN	Brazil (ANTT)	IMDG	IATA
UN number	UN1263	UN1263	UN1263	UN1263
UN proper shipping name	PAINT	PAINT	PAINT	PAINT
Transport hazard class(es)	3	3	3	3
Packing group			III	
Environmental hazards	Yes. The environmentally hazardous substance mark is not required.	Yes. The environmentally hazardous substance mark is not required.	Yes.	Yes. The environmentally hazardous substance mark is not required.
Marine pollutant substances	Not applicable.	Not applicable.	(dicopper oxide)	Not applicable.

contact with soil, waterways, drains and sewers.

Additional information

Section 14. Transport information

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

Section 14. Transport information

	•		
UN	: None identified.		
Brazil	: None identified.		
Risk number	: 30		
IMDG	: The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg.		
ΙΑΤΑ	: The environmentally hazardous substance mark may appear if required by other transportation regulations.		
Special precaution	ons 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

Safety, health and	1	No known specific national and/or regional regulations applicable to this product
environmental regulations		(including its ingredients).
specific for the product		

Section 16. Other information

History Date of previous i

Date of previous issue	: 5/17/2021
Version	: 8
	EHS
Key to abbreviations	 ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association 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) RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail UN = United Nations
References	: ABNT NBR 14725-4: 2014 ANTT - National Land Transportation Agency

Indicates information that has changed from previously issued version. Disclaimer

Code	00139362		Date of issue	7 July 2024	Version	8
Product nam	e	SIGMA ECOFLEET 290 REDBROW	/N			

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.