# **SAFETY DATA SHEET**

pPG

Safety Data Sheet according to GB/T 16483-2008 and GB/T 17519-2013

Date of issue/Date of revision 23 February 2024

Version 1.06

Section 1. Chemical product and company identification			
Product code	: 000001011146		
Product name	: SIGMAZINC 19		
Product name	: SIGMAZINC 19		
Other means of identification	<b>:</b> 136782; 00136783; 00156721		
Product type	: Liquid.		
Relevant identified uses o	of the substance or mixture and uses advised against		
Product use	: Professional applications, Used by spraying.		
Use of the substance/ mixture	: Coating.		
Uses advised against	: Not applicable.		
Supplier's details	: PPG Coatings (Kunshan) Co., Ltd 53 Jinyang Road, Lujia Town, 215331 Kunshan City, Jiangsu Province, P.R. China Tel: 86 512 57678859 Fax: 86 512 57678857		
Emergency telephone number (with hours of operation)	: 00 86 532 83889090		

### Section 2. Hazards identification

Classification of the substance or mixture according to GB 13690-2009 and GB 30000-2013

#### Emergency overview

Liquid. Gray. Characteristic. Flammable liquid and vapor. Causes mild skin irritation. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. If skin irritation occurs: Get medical advice or attention. See Section 12 for environmental precautions.

AQUATIC HAZARD (ACUTE) - Category 1 AQUATIC HAZARD (LONG-TERM) - Category 1	Classification of the substance or mixture	: FLAMMABLE LIQUIDS - Category 3 SKIN CORROSION/IRRITATION - Category 3 AQUATIC HAZARD (ACUTE) - Category 1 AQUATIC HAZARD (LONG-TERM) - Category 1
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#### GHS label elements

### Section 2. Hazards identification

from heat, hot surfaces, sparks, open flames and other ignition sources. No         smoking, Use explosion-proof electrical, ventilating or lighting equipment. Use         sparking tools. Take action to prevent static discharges. Keep container tightly         closed. Avoid release to the environment.         Response       : Collect spillage. IF ON SKIN (or hair): Take off immediately all container tightly         suitable extinguishing       : Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.         media       :         Storage       : Store in a well-ventilated place. Keep cool.         Disposal       : Dispose of contents and container in accordance with all local, regional, nationa and international regulations.         Physical and chemical       : Flammable liquid and vapor.         hazards       : Causes mild skin irritation.         Symptoms related to the physical, chemical and toxicological characteristics         Eye contact       : Adverse symptoms may include the following: pain or irritation watering redness         Inhalation       : No specific data.         Skin contact       : Adverse symptoms may include the following: irritation redness         Ingestion       : No specific data.         Delayed and immediate effects and also chronic effects from short and long term exposure         Short term exposure       Potential immediate         Potential delayed effects       : Not available	Section 2. Hazards	
Hazard statements       : Flammable liquid and vapor. Causes mild skin irritation. Very toxic to aquatic life. Very toxic to aquatic life         Precautionary statements       Prevention       : Wear protective gloves, protective clothing and eye or face protection. Keep aw from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating or lighting equipment. Use sparking tools. Take action to prevent static discharges. Keep container tightly closed. Avoid release to the environment.         Response       : Collect spillage. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. If skin irritation occurs. Get medical advice or attention.         suitable extinguishing       : Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.         media       : Dispose of contents and container in accordance with all local, regional, nationa and international regulations.         Physical and chemical hazards       : Flammable liquid and vapor.         Health hazards       : Causes mild skin irritation.         Symptoms related to the physical. chemical and toxicological characteristics Eye contact       : Adverse symptoms may include the following: irritation redness         Inhalation       : No specific data.         Skin contact       : Adverse symptoms may include the following: irritation redness         Ingestion       : No specific data.         Delayed and immediate effects and also chronic effects from short and long term exposure         Short term exposure	Signal word	: Warning
Prevention       : Wear protective gloves, protective clothing and eye or face protection. Keep aw from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating or lighting equipment. Use sparking tools. Take action to prevent static discharges. Keep container tightly closed. Avoid release to the environment.         Response       : Collect spillage. IF ON SKIN (or hair): Take off immediately all contaminated clothing, Rinse skin with water. If skin irritation occurs: Get medical advice or attention.         Suitable extinguishing       : Use dry chemical, CO2, water spray (fog) or foam.         media       : Storage         Storage       : Store in a well-ventilated place. Keep cool.         Disposal       : Dispose of contents and container in accordance with all local, regional, nationa and international regulations.         Physical and chemical nad international regulations.       : Flammable liquid and vapor.         Azards       : Causes mild skin irritation.         Symptoms related to the physical, chemical and toxicological characteristics         Eye contact       : Adverse symptoms may include the following: pain or irritation watering redness         Inhalation       : No specific data.         Skin contact       : Adverse symptoms may include the following: irritation redness         Ingestion       : No specific data.         Delayed and immediate effects and also chronic effects from short and long term exposure         Short term expo	-	Causes mild skin irritation. Very toxic to aquatic life.
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Suitable extinguishing media       : Use dry chemical, CO2, water spray (fog) or foam.         media       : Use dry chemical, CO2, water spray (fog) or foam.         media       : Use dry chemical, CO2, water spray (fog) or foam.         media       : Dispose of contents and container in accordance with all local, regional, national and international regulations.         Physical and chemical and chemical       : Flammable liquid and vapor.         hazards       : Causes mild skin irritation.         Symptoms related to the physical, chemical and toxicological characteristics         Eye contact       : Adverse symptoms may include the following: pain or irritation watering redness         Inhalation       : No specific data.         Skin contact       : Adverse symptoms may include the following: irritation redness         Ingestion       : No specific data.         Short term exposure       : Not available.         Potential delayed effects       : Not available.         Effects       : Not available.		smoking. Use explosion-proof electrical, ventilating or lighting equipment. Use non- sparking tools. Take action to prevent static discharges. Keep container tightly
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Eye contact       : Adverse symptoms may include the following: pain or irritation watering redness         Inhalation       : No specific data.         Skin contact       : Adverse symptoms may include the following: irritation redness         Ingestion       : Adverse symptoms may include the following: irritation redness         Ingestion       : No specific data.         Delayed and immediate effects and also chronic effects from short and long term exposure         Short term exposure Potential immediate       : Not available. effects         effects Potential delayed effects       : Not available.         Long term exposure       : Not available.	Health hazards	: Causes mild skin irritation.
pain or irritation         watering         redness         Inhalation       : No specific data.         Skin contact       : Adverse symptoms may include the following:         irritation       redness         Ingestion       : No specific data.         Delayed and immediate effects and also chronic effects from short and long term exposure         Short term exposure         Potential immediate       : Not available.         effects       : Not available.         Long term exposure       : Not available.	Symptoms related to the phy	vsical, chemical and toxicological characteristics
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irritation       redness         Ingestion       : No specific data.         Delayed and immediate effects and also chronic effects from short and long term exposure         Short term exposure         Potential immediate       : Not available.         effects         Potential delayed effects       : Not available.         Long term exposure	Inhalation	: No specific data.
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Short term exposure         Potential immediate       : Not available.         effects       .         Potential delayed effects       : Not available.         Long term exposure       .	Ingestion	: No specific data.
Short term exposure         Potential immediate       : Not available.         effects       .         Potential delayed effects       : Not available.         Long term exposure       .	Delayed and immediate effect	cts and also chronic effects from short and long term exposure
effects Potential delayed effects : Not available. Long term exposure	Short term exposure	
Long term exposure		: Not available.
Long term exposure	Potential delayed effects	: Not available.
	Long term exposure	
Potential immediate : Not available. effects	Potential immediate	: Not available.

### Section 2. Hazards identification

Potential delayed effects : Not available.

**Environmental hazards** : Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

Other hazards which do not : None known.

result in classification

### Section 3. Composition/information on ingredients

Substance/mixture	1	Mixture
Other means of identification	:	0136782; 00136783; 00156721

#### **CAS number/other identifiers**

CAS number : Not applicable.	able.		
Ingredient name	%	CAS number	
zínc dust	40 - <70	7440-66-6	
2-methoxy-1-methylethyl acetate	10 - <25	108-65-6	
xylene isomers mixture	1 - <10	1330-20-7	
ethylbenzene	0.1 - <1	100-41-4	
zinc oxide	0.1 - <1	1314-13-2	

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 first aid measures			
Eye contact	<ul> <li>Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.</li> </ul>		
Inhalation	<ul> <li>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.</li> </ul>		
Skin contact	<ul> <li>Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.</li> </ul>		
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 :	No known significant effects or critical hazards.	
Inhalation :	No known significant effects or critical hazards.	
Skin contact :	Causes mild skin irritation.	
Ingestion :	No known significant effects or critical hazards.	
Over-exposure signs/symptoms		

### Section 4. First aid measures

Eye contact	verse symptoms may include the following: n or irritation tering Iness	
Inhalation	specific data.	
Skin contact	verse symptoms may include the following: ation Iness	
Ingestion	specific data.	
Indication of immediate me	ention and special treatment needed, if necessary	<u>'</u>
Notes to physician	eat symptomatically. Contact poison treatment specia antities have been ingested or inhaled.	list immediately if large
Specific treatments	specific treatment.	
Protection of first-aiders	action shall be taken involving any personal risk or wi by be dangerous to the person providing aid to give mo	5

See toxicological information (Section 11)

Section 5. Fire-fighting measures		
Extinguishing media		
Suitable extinguishing media	: Use dry chemical, CO <sub>2</sub> , 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 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	<ul> <li>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</li> </ul>	

### 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. Avoid breathing 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.	

#### 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). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. 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.

### Section 7. Handling and storage

Conditions for safe storage,	: Store between the following temperatures: 0 to 35°C (32 to 95°F). Store in
including any	accordance with local regulations. Store in a segregated and approved area. Store
incompatibilities	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.
	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

#### **Control parameters**

#### **Occupational exposure limits**

Ingredient name			Exposure limits	
vylene isomers mixture ethylbenzene			GBZ 2.1 (China, 11/2022). [Xylene (all isomers)] PC-STEL: 100 mg/m <sup>3</sup> 15 minutes. PC-TWA: 50 mg/m <sup>3</sup> 8 hours.	
			GBZ 2.1 (China, 11/2022). PC-STEL: 150 mg/m <sup>3</sup> 15 minutes.	
zinc oxide			PC-TWA: 100 mg/m <sup>3</sup> 8 hours. <b>GBZ 2.1 (China, 11/2022).</b> PC-STEL: 5 mg/m <sup>3</sup> 15 minutes. PC-TWA: 3 mg/m <sup>3</sup> 8 hours.	
Recommended monitoring procedures	; :		riate monitoring standards. Reference to hods for the determination of hazardous	
Appropriate engineering controls	:	contaminants below any recommende	ols to keep worker exposure to airborne ed or statutory limits. The engineering controls concentrations below any lower explosive	
Environmental exposure controls	:	Emissions from ventilation or work pro they comply with the requirements of cases, fume scrubbers, filters or engine equipment will be necessary to reduce		
ndividual protection measu	ires			
Hygiene measures	:	eating, smoking and using the lavator Appropriate techniques should be use	bughly after handling chemical products, before y and at the end of the working period. ed to remove potentially contaminated clothing. eusing. Ensure that eyewash stations and station location.	
Eye protection	:	Safety glasses with side shields.		
Skin protection				

### Section 8. Exposure controls/personal protection

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	: For prolonged or repeated handling, use the following type of gloves: Recommended: butyl rubber, polyvinyl alcohol (PVA), Viton®
	May be used: Chloroprene, nitrile 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	<ul> <li>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.</li> </ul>
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	:	Gray.			
Odor	:	Characteristic.	Characteristic.		
Boiling point	:	>37.78°C (>100	°F)		
Flash point	:	Closed cup: 35°	Closed cup: 35°C (95°F)		
Lower and upper explosive (flammable) limits	:	Greatest known	range: Lower: 0.8% Upper: 6.7% (xylene)		
Relative density	:	2.37			
Solubility/icc)		Media	Result		
Solubility(ies)	•	cold water	Not soluble		
Viscosity	:	Kinematic (40°C	c): >21 mm²/s		

### 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.
Incompatible materials	: Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids.
Hazardous decomposition products	: Evolves hydrogen on contact with water. Depending on conditions, decomposition products may include the following materials: carbon oxides metal oxide/oxides

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
zínc dust	LC50 Inhalation Dusts and mists	Rat	>5.4 mg/l	4 hours
	LD50 Oral	Rat	>2000 mg/kg	-
2-methoxy-1-methylethyl acetate	LC50 Inhalation Vapor	Rat	30 mg/l	4 hours
	LD50 Dermal	Rabbit	>5 g/kg	-
	LD50 Oral	Rat	6190 mg/kg	-
xylene isomers mixture	LD50 Dermal	Rabbit	1.7 g/kg	-
	LD50 Oral	Rat	4.3 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	-
zinc oxide	LC50 Inhalation Dusts and mists	Rat	>5700 mg/m <sup>3</sup>	4 hours
	LD50 Dermal	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
xylene isomers mixture	Skin - Moderate irritant	Rabbit	-	24 hours 500	-
				mg	

#### **Sensitization**

Not available.

#### **Mutagenicity**

Not available.

#### **Carcinogenicity**

Not available.

### Section 11. Toxicological information

**Reproductive toxicity** 

Not available.

#### **Teratogenicity**

Not available.

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

Name		Route of exposure	Target organs
2-methoxy-1-methylethyl acetate	Category 3	-	Narcotic effects

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

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

#### **Aspiration hazard**

Name	Result
ethylbenzene	ASPIRATION HAZARD - Category 1

Information on the likely routes of exposure	:	Not available.
Potential acute health effects	3	
Eye contact	:	No known significant effects or critical hazards.
Inhalation	:	No known significant effects or critical hazards.
Skin contact	:	Causes mild skin irritation.
Ingestion	:	No known significant effects or critical hazards.

#### Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	: No specific data.
Skin contact	: Adverse symptoms may include the following: irritation redness
Ingestion	: No specific data.

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

<u>Short term exposure</u>		
Potential immediate effects	: Not available.	
Potential delayed effects	: Not available.	
<u>Long term exposure</u>		
Potential immediate effects	: Not available.	

### Section 11. Toxicological information

Potential delayed effects	: Not available.
Potential chronic health effe	ects
General	: No known significant effects or critical hazards.
Carcinogenicity	: No known significant effects or critical hazards.
Mutagenicity	: No known significant effects or critical hazards.
Reproductive toxicity	: No known significant effects or critical hazards.

#### Numerical measures of toxicity

#### Acute toxicity estimates

Product/ingredient name	Oral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	(vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
SIGMAZINC 19	25991.3	10275.6	N/A	198.1	27.0
2-methoxy-1-methylethyl acetate	6190	N/A	N/A	30	N/A
xylene isomers mixture	4300	1700	N/A	11	1.5
ethylbenzene	3500	17800	N/A	17.8	1.5
zinc oxide	N/A	2500	N/A	N/A	N/A

#### Other information

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.

### Section 12. Ecological information

#### **Toxicity**

Product/ingredient name	Result	Species	Exposure
<b>≱</b> ínc dust	Acute EC50 0.106 mg/l Fresh water	Algae - Pseudokirchneriella subcapitata	72 hours
	Chronic EC10 6.3 µg/l	Daphnia - <i>Daphnia magna</i> - Neonate	21 days
2-methoxy-1-methylethyl acetate	Acute LC50 134 mg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
ethylbenzene	Acute EC50 1.8 mg/l Fresh water Chronic NOEC 1 mg/l Fresh water	Daphnia Daphnia - Ceriodaphnia dubia	48 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

#### Persistence/degradability

Product/ingredient name	Test	Result	Dose	Inoculum
2-methoxy-1-methylethyl acetate	-	83 % - Readily - 28 days	-	-
ethylbenzene	-	79 % - Readily - 10 days	-	-

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#### Product code 000001011146 Product name SIGMAZINC 19

### Section 12. Ecological information

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
-methoxy-1-methylethyl acetate	-	-	Readily
xylene isomers mixture ethylbenzene	-	-	Readily Readily

#### **Bioaccumulative potential**

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
P-methoxy-1-methylethyl acetate	1.2	-	Low
xylene isomers mixture ethylbenzene	3.12 3.6	7.4 to 18.5 79.43	Low Low

#### Mobility in soil

Soil/water partition	: Not available.
coefficient (Koc)	

#### Other adverse effects

: No known significant effects or critical hazards.

### 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.

	China	UN	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	ш	Ш	Ш	Ш

Product code 000001011146 Product name SIGMAZINC 19

### Section 14. Transport information

	•			
Environmental	Yes. The	Yes. The	Yes.	Yes. The
hazards	environmentally	environmentally		environmentally
	hazardous substance mark is not required.	hazardous substance mark is not required.		hazardous substance mark is not required.
	mark is not required.	mark is not required.		mark is not required.
Marine pollutant substances	Not applicable.	Not applicable.	(Zinc powder - zinc dust (stabilized))	Not applicable.

### Additional information

China inventory (IECSC)

CN	: None identified.
UN	: None identified.
IMDG	: The marine pollutant mark is not required when transported in sizes of $\leq 5$ L or $\leq 5$ kg.
ΙΑΤΑ	: 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

References	<ul> <li>Production Safety Law of the People's Republic of China Code of Occupational Disease Prevention of the People's Republic of China Environmental Protection Law of the People's Republic of China Fire Control Law of the People's Republic of China Regulations on the Control over Safety of Dangerous Chemicals Occupational exposure limits for hazardous agents in the workplace chemical hazardous agents (GBZ2.1) General rule for classification and hazard communication of chemicals (GB13690) Safety data sheet for chemical products - Content and order of sections (GB/ T16483) Guidance on the compilation of safety data sheet for chemical products (GB/ T17519) General rule for preparation of precautionary label for chemicals (GB15258) Safety rules for classification, precautionary labeling and precautionary statements of chemicals (GB30000.2-29)</li> </ul>

: All components are listed or exempted.

### Section 16. Other information

<u>History</u>	
Date of issue/Date of revision	: 23 February 2024
Date of previous issue	: 11/29/2022
Version	: 1.06
	EHS

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### Section 16. Other information

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

**Indicates information that has changed from previously issued version.** 

#### Notice to reader

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.