Safety Data Sheet



Date of issue Version 7

3 July 2025

Section 1. Product and company identification

Product name : SIGMA AQUACOVER 45 APMYELLOW312505

Product code : 249290.20
Other means of identification : Not available.

Product type : 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 Industrial do Brasil – Tintas e Vernizes Ltda

Via Anhanguera KM 106, Bairro Sao Judas Tadeu

Sumare / SP, Brasil

55 19 2103-6000 (Recepção e Portaria)

Email address: : fds@ppg.com

Emergency telephone number : 0800 707 1767 / 0800 707 7022 – Empresa Ambipar response (24hs)

0800 014 8110 / (011)2661-8571 – CEATOX - Centro de Assistência Toxicológica

(atendimento 24hs)

Section 2. Hazards identification

Classification of the substance or mixture Target organs

: AQUATIC HAZARD (ACUTE) - Category 2 AQUATIC HAZARD (LONG-TERM) - Category 2

: Contains material which may cause damage to the following organs: blood, lungs, upper respiratory tract, central nervous system (CNS), eye, lens or cornea.

Percentage of the mixture consisting of ingredient(s) of unknown hazards to the

aquatic environment: 4%

GHS label elements

Hazard pictograms :



Signal word : No signal word.

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Section 2. Hazards identification

: Toxic to aquatic life with long lasting effects. **Hazard statements**

Precautionary statements

Prevention : Avoid release to the environment.

: Collect spillage. Response **Storage** : Not applicable.

Disposal : Dispose of contents and container in accordance with all local, regional, national

and international regulations.

result in classification

identification

Other hazards which do not : Contains isothiazolinones. May cause allergic reaction.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture Other means of : Not available.

Ingredient name	%	CAS number/other identifiers	Classification
titanium dioxide	≥10 - ≤20	13463-67-7	CARCINOGENICITY - Category 2
(2-methoxymethylethoxy)propanol	≥1 - ≤3	34590-94-8	FLAMMABLE LIQUIDS - Category 4
isobutyric acid, monoester with 2,2,4-trimethylpentane-1,3-diol	≥1 - ≤3	25265-77-4	AQUATIC HAZARD (ACUTE) - Category 3
tetraamminezinc(2+) carbonate	≤0.26	38714-47-5	SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SKIN SENSITIZATION - Category 1 AQUATIC HAZARD (ACUTE) - Category 1 AQUATIC HAZARD (LONG-TERM) - Category 1
ammonia	≤0.19	1336-21-6	ACUTE TOXICITY (oral) - Category 4 SKIN CORROSION - Category 1B SERIOUS EYE DAMAGE - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 AQUATIC HAZARD (ACUTE) -
4,5-dichloro-2-octyl-2H-isothiazol-	<0.1	64359-81-5	Category 1 ACUTE TOXICITY (oral) - Category 4
3-one			ACUTE TOXICITY (dermal) - Category 4 ACUTE TOXICITY (inhalation) - Category 2 SKIN CORROSION - Category 1 SERIOUS EYE DAMAGE - Category

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Section 3. Composition/information on ingredients

occion of composition	-	on on mgroun	
			1 SKIN SENSITIZATION - Category 1A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 AQUATIC HAZARD (ACUTE) - Category 1 AQUATIC HAZARD (LONG-TERM) - Category 1
1,2-benzisothiazol-3(2H)-one	<0.1	2634-33-5	ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (inhalation) - Category 2 SKIN IRRITATION - Category 2 SERIOUS EYE DAMAGE - Category 1 SKIN SENSITIZATION - Category 1A AQUATIC HAZARD (ACUTE) - Category 1 AQUATIC HAZARD (LONG-TERM) - Category 1
3-iodo-2-propynyl butylcarbamate	≤0.067	55406-53-6	ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (dermal) - Category 5 ACUTE TOXICITY (inhalation) - Category 2 SERIOUS EYE DAMAGE - Category 1 SKIN SENSITIZATION - Category 1B SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1 AQUATIC HAZARD (ACUTE) - Category 1 AQUATIC HAZARD (LONG-TERM) - Category 1
octamethylcyclotetrasiloxane	≤0.036	556-67-2	FLAMMABLE LIQUIDS - Category 3 ACUTE TOXICITY (dermal) - Category 5 TOXIC TO REPRODUCTION - Category 2 AQUATIC HAZARD (LONG-TERM) - Category 1
pyrithione zinc	<0.01	13463-41-7	ACUTE TOXICITY (oral) - Category 3 ACUTE TOXICITY (dermal) - Category 5 ACUTE TOXICITY (inhalation) - Category 2 SERIOUS EYE DAMAGE - Category 1 TOXIC TO REPRODUCTION -

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Section 3. Compo	sition/information on i	ngredients	
		TOXICITY EXPOSUR AQUATIC Category 1	TARGET ORGAN (REPEATED RE) - Category 1 HAZARD (ACUTE) - HAZARD (LONG-TERM) -

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 : Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.

Inhalation : Remove to fresh air. Keep person warm and at rest. If not 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.

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

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large

Specific treatments: quantities have been ingested or inhaled.

No specific treatment.

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

Potential acute health effects

Eye contact
 Inhalation
 Skin contact
 No known significant effects or critical hazards.
 No known significant effects or critical hazards.
 Ingestion
 No known significant effects or critical hazards.
 No known significant effects or critical hazards.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

media

Suitable extinguishing

: Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing : None known.

media . None known

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Section 5. Fire-fighting measures

Specific hazards arising from the chemical

: In a fire or if heated, a pressure increase will occur and the container may burst. This material is 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.

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

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. 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. 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. 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.

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Section 7. Handling and storage

Precautions for safe handling

: Fut 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. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

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: 5 to 35°C (41 to 95°F). Store in accordance with local regulations. 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. 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
Manium dioxide	ACGIH TLV (United States, 1/2024) TWA 8 hours: 2.5 mg/m³. Form: respirable fraction, finescale particles.
(2-methoxymethylethoxy)propanol	ACGIH TLV (United States, 1/2024) [(2-Methoxymethylethoxy)propanol]
	Absorbed through skin. TWA 8 hours: 100 ppm. TWA 8 hours: 606 mg/m³.
	STEL 15 minutes: 150 ppm. STEL 15 minutes: 909 mg/m³.
	ACGIH TLV (United States, 1/2024)
	[dipropylene glycol methyl ether] TWA 8 hours: 50 ppm.
ammonia	Ministry of Labor and Employment (Brazil, 11/2001) [Ammonia] TWA 8 hours: 20 ppm.
	TWA 8 hours: 14 mg/m³.

Appropriate engineering controls Environmental exposure controls

- : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
- : 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.

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Section 8. Exposure controls/personal protection

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. Wash contaminated clothing before reusing. Ensure that eyewash stations and

safety showers are close to the workstation location.

Eye protection **Skin protection Hand protection**

: Safety glasses with side shields.

: 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.

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.

Appropriate footwear and any additional skin protection measures should be Other skin protection

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

Appearance

Physical state : Liquid. Color Various Odor : Amine-like. pН : Not available. **Melting point** : Not available. **Boiling point**

: >37.78°C (>100°F)

: Closed cup: 120°C (248°F) Flash point

: Not available. **Evaporation rate** : Not available. Flammability (solid, gas) Lower and upper explosive : Not available.

(flammable) limits

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

Relative density : 1.25

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Section 9. Physical and chemical properties

Solubility(ies) : Media Result

cold water Partially soluble

Partition coefficient: n-

octanol/water

: Not applicable.

Auto-ignition temperature : 20
Decomposition temperature : N

: 207°C (404.6°F)
: Not available.

Viscosity : Dynamic (room temperature): Not available.

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

Viscosity : 60 - 100 s (ISO 6mm)

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.

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 metal oxide/oxides

Section 11. Toxicological information

Information on toxicological effects

This section contains information about toxicological effects and routes of exposure for the substances or mixtures that have these data or information available. There might be substances listed in section 3 of this SDS that will not have the information available.

Sased on available data, the classification criteria are not met.

Acute toxicity

Product/ingredient name	Result	Dose
titanium dioxide	Rat - Oral - LD50	>5000 mg/kg
	Rabbit - Dermal - LD50	>5000 mg/kg
	Rat - Inhalation - LC50 Dusts and	>6.82 mg/l [4 hours]
	mists	
isobutyric acid, monoester with	Rat - Oral - LD50	6.5 g/kg
2,2,4-trimethylpentane-1,3-diol		
	Rabbit - Dermal - LD50	>15.2 g/kg
ammonia	Rat - Oral - LD50	350 mg/kg
4,5-dichloro-2-octyl-2H-isothiazol-3-one	Rat - Oral - LD50	567 mg/kg

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Section 11. Toxicological information

	Rabbit - Dermal - LD50	3.9 g/kg
	Rat - Inhalation - LC50 Dusts and	0.16 mg/l [4 hours]
	mists	
1,2-benzisothiazol-3(2H)-one	Rat - Oral - LD50	450 mg/kg
	Rat - Inhalation - LC50 Dusts and	0.21 mg/l [4 hours]
	mists	
3-iodo-2-propynyl butylcarbamate	Rabbit - Dermal - LD50	>2 g/kg
	Rat - Oral - LD50	1470 mg/kg
	Rat - Inhalation - LC50 Dusts and	0.67 mg/l [4 hours]
	mists	
octamethylcyclotetrasiloxane	Rat - Oral - LD50	>4800 mg/kg
	Rat - Dermal - LD50	>2375 mg/kg
	Rat - Inhalation - LC50 Vapor	36 g/m³ [4 hours]
pyrithione zinc	Rat - Oral - LD50	177 mg/kg
	Rabbit - Dermal - LD50	>2 g/kg
	Rat - Inhalation - LC50 Dusts and	0.14 mg/l [4 hours]
	mists	

Conclusion/Summary Irritation/Corrosion

: Based on available data, the classification criteria are not met.

Product/ingredient name	Species	Dose	Score
3-iodo-2-propynyl butylcarbamate	Rabbit - Eyes - Severe irritant	-	-
pyrithione zinc	Rabbit - Eyes - Cornea opacity	Duration of treatment/exposure: 24 hours Observation period: 24 hours	Irritation score: 4

Conclusion/Summary

Skin
 Eased on available data, the classification criteria are not met.
 Eased on available data, the classification criteria are not met.
 Respiratory
 Eased on available data, the classification criteria are not met.

Sensitization

Product/ingredient name	Species	Result
,2-benzisothiazol-3(2H)-one	Guinea pig - skin OECD 406	Result: Sensitizing

Conclusion/Summary

Skin : Based on available data, the classification criteria are not met.

Respiratory : Based on available data, the classification criteria are not met.

Mutagenicity

Conclusion/Summary: Sased on available data, the classification criteria are not met.

Carcinogenicity

Conclusion/Summary: Based on available data, the classification criteria are not met.

Classification

Product/ingredient name	OSHA	IARC	NTP
titanium dioxide	-	2B	-

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Section 11. Toxicological information

Carcinogen Classification code:

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

Conclusion/Summary : Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure)

Name	•	Route of exposure	Target organs
ammonia	Category 3		Respiratory tract irritation
4,5-dichloro-2-octyl-2H-isothiazol-3-one	Category 3		Respiratory tract irritation

: Based on available data, the classification criteria are not met. **Conclusion/Summary**

Specific target organ toxicity (repeated exposure)

Name		Route of exposure	Target organs
3-iodo-2-propynyl butylcarbamate pyrithione zinc	Category 1 Category 1	-	trachea

: Based on available data, the classification criteria are not met. **Conclusion/Summary**

Target organs : Contains material which may cause damage to the following organs: blood, lungs,

upper respiratory tract, central nervous system (CNS), eye, lens or cornea.

Aspiration hazard

Not available.

Conclusion/Summary : Based on available data, the classification criteria are not met.

Information on the likely

routes of exposure

: Not available.

Potential acute health effects

Eye contact : No known significant effects or critical hazards. Inhalation : No known significant effects or critical hazards. : No known significant effects or critical hazards. **Skin contact** : No known significant effects or critical hazards. Ingestion

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data. **Inhalation** : No specific data. : No specific data. **Skin contact** : No specific data. Ingestion

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Section 11. Toxicological information

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. For many products, TiO2 is utilized as a raw material in a liquid coating formulation. In this case, the TiO2 particles are bound in a matrix with no meaningful potential for human exposure to unbound particles of TiO2 when the product is applied with a brush or roller. Sanding the coating surface or mist from spray applications may be harmful depending on the duration and level of exposure and require the use of appropriate personal protective equipment and/or engineering controls (see Section 8). 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

effects

There are no data available on the mixture itself.

Potential delayed effects

There are no data available on the mixture itself.

Long term exposure

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 effects

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)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
sobutyric acid, monoester with 2,2,4-trimethylpentane-1,3-diol	6500	N/A	N/A	N/A	N/A
ammonia	350	N/A	N/A	N/A	N/A
4,5-dichloro-2-octyl-2H-isothiazol-3-one	567	1100	N/A	N/A	0.16
1,2-benzisothiazol-3(2H)-one	450	N/A	N/A	N/A	0.21
3-iodo-2-propynyl butylcarbamate	1470	2500	N/A	0.5	0.67
octamethylcyclotetrasiloxane	N/A	2500	N/A	36	N/A

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pyrithior	ne zinc	221	2500	N/A	N/A	0.14	\Box

Other information : Not available.

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Dose / Exposure
titanium dioxide	Acute - LC50 - Fresh water	Daphnia - <i>Daphnia magna</i>	>100 mg/l [48 hours]
isobutyric acid, monoester with 2,2,4-trimethylpentane- 1,3-diol	Acute - LC50	Fish	33 mg/l [96 hours]
4,5-dichloro-2-octyl-2H- isothiazol-3-one	Acute - EC50 - Marine water	Algae - Diatom - <i>Nitzschia</i> pungens	267.368 μg/l [96 hours]
	Chronic - NOEC - Marine water	Algae - Diatom - <i>Nitzschia</i> pungens	19.789 µg/l [96 hours]
	Acute - LC50 - Marine water	Crustaceans - Brine shrimp - Artemia sp.	0.318 mg/l [48 hours]
	Acute - LC50 - Fresh water	Fish	0.0027 mg/l [96 hours]
	Chronic - NOEC - Fresh water	Fish	0.00056 mg/l [97 days]
1,2-benzisothiazol-3(2H)-one	Acute - EC50	Algae	0.11 mg/l [72 hours]
, ,	Chronic - NOEC	Algae - Trout	0.0403 mg/l [72 hours]
	Acute - EC50	Daphnia	2.9 mg/l [48 hours]
	Acute - LC50	Fish	2.15 mg/l [96 hours]
3-iodo-2-propynyl butylcarbamate	Acute - LC50	Fish - Trout	0.067 mg/l [96 hours]
•	Chronic - NOEC	Fish - Trout	0.049 mg/l [96 hours]
	Acute - EC50 - Fresh water	Daphnia - Water flea - Daphnia magna	0.186 mg/l [48 hours]
	Chronic - EC10	Algae - Green algae - Raphidocelis subcapitata - Exponential growth phase	0.025 mg/l [72 hours]
	Acute - EC50	Algae - Green algae - Raphidocelis subcapitata - Exponential growth phase	0.039 mg/l [72 hours]
octamethylcyclotetrasiloxane	Chronic - NOEC - Fresh water	Daphnia - Water flea - Daphnia magna	100 mg/l [21 days]
pyrithione zinc	Acute - LC50	Daphnia	0.0082 mg/l [48 hours]
• •	Chronic - NOEC	Daphnia	0.0027 mg/l [21 days]
	Acute - EC50 - Marine water	Algae - Diatom - <i>Nitzschia</i> pungens	5.513 µg/l [96 hours]
	Chronic - NOEC - Marine water	Algae - Diatom - <i>Nitzschia</i> pungens	1.889 µg/l [96 hours]

Conclusion/Summary: Not available.

Persistence/degradability

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Product/ingredient name	Test	Result	Dose / Inoculum
sobutyric acid, monoester with 2,2,4-trimethylpentane-	OECD 301B	>76% [28 days] - Readily	
3-iodo-2-propynyl butylcarbamate	-	25% [28 days] - Inherent	
pyrithione zinc	-	39% [28 days]	

Conclusion/Summary: Not available.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
sobutyric acid, monoester with 2,2,4-trimethylpentane-	-	-	Readily
1,2-benzisothiazol-3(2H)-one 3-iodo-2-propynyl butylcarbamate	-	-	Not readily Inherent
pyrithione zinc	-	50%; <28 day(s)	Not readily

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
√Z-methoxymethylethoxy)	0.004	-	Low
propanol			
,,	3.2	-	Low
with 2,2,4-trimethylpentane-			
1,3-diol			
1,2-benzisothiazol-3(2H)-one	0.7	-	Low
octamethylcyclotetrasiloxane	6.488	-	High
pyrithione zinc	0.9	0.9	Low

Mobility in soil

Soil/Water partition coefficient

: Not available.

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

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Section 13. Disposal considerations

handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	Brazil (ANTT)	IMDG	IATA
UN number	UN3082	UN3082	UN3082
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
	(tetraamminezinc(2+) carbonate)	(tetraamminezinc(2+) carbonate)	(tetraamminezinc(2+) carbonate)
Transport hazard class(es)	9	9	9
Packing group	III	III	III
Environmental hazards	Yes.	Yes.	Yes.
Marine pollutant substances	Not applicable.	(tetraamminezinc(2+) carbonate)	Not applicable.

Additional information

Brazil : This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg,

provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.

Risk number

IMDG : This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg,

provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.

: This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, **IATA**

provided the packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.

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 : ABNT NBR 14725: 2023 (April 2025)

English (US) **Brazil** 14/15
 Code
 249290.20
 Date of issue
 3 July 2025
 Version
 7

Product name SIGMA AQUACOVER 45 APMYELLOW312505

Section 16. Other information

History

Date of previous issue : 6/25/2025

Version : 7
Prepared by : 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

Indicates information that has changed from previously issued version.

Disclaimer

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.

English (US) Brazil 15/15