

SECTION 1: Identification of the substance/mixture and of the company/undertaking
1.1. Product identifier

Trade name : RainTite

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

Use of the substance/mixture : Water repellent

1.3. Details of the supplier of the safety data sheet

 Approved Industries
 38 Leuning StreetSouth
 Hackensack, NJ 07606
 201-489-510

1.4. Emergency telephone number

General: : 911

SECTION 2: Hazards identification
2.1. Classification of the substance or mixture
GHS-US classification

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412

2.2. Label elements

Hazard statements (GHS-US) : Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.

 Precautionary statements (GHS-US) : P273 - Avoid release to the environment.
 : P501 - Dispose of contents/container in accordance with regulations on hazardous waste or packaging and packaging waste respectively.

2.3. Other hazards

 Product does not meet PBT/vPvB criteria
 Endocrine-disrupting properties: The product does not meet the criteria.

2.4. Unknown acute toxicity (GHS-US)

No data available

SECTION 3: Composition/information on ingredients
3.1. Substance

Not applicable

Full text of H-phrases: see section 16

3.2. Mixture

Name	Product identifier	%	GHS-US classification
1,2-benzisothiazol-3(2H)-one	(CAS No) 2634-33-5	<1	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Dam. 1: H318; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Danger
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol -3-one (3:1)	(CAS No) 55965-84-9	<1	Acute Tox. 2: H310+H330; Acute Tox. 3: H301; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Dam. 1: H318; Skin Corr. 1C: H314; Skin Sens. 1A: H317; EUH071 - Dange
Isotridecanol, ethoxylated< 2.5 mol EO	(CAS No) 69011-36-5	<1	Aquatic Acute 1: H400; Aquatic Chronic 3: H412 - Warning

Pro Strength RainTite

Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

Name	Product identifier	%	GHS-US classification
Pyrithione zinc	(CAS No) 13463-41-7	<1	Acute Tox. 2: H330; Acute Tox. 3: H301; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Dam. 1: H318; Repr. 1B: H360D; STOT RE 1: H372 - Danger
octhilinone (ISO)	(CAS No) 26530-20-1	<1	Acute Tox. 2: H330; Acute Tox. 3: H301 +H311; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Dam. 1: H318; Skin Corr. 1: H314; Skin Sens. 1A: H317; EUH071 - Danger

4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Ensure fresh air breathing. Allow the victim to rest. In all cases of doubt, or when symptoms persist, seek medical advice.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Seek medical attention if irritation develops.
First-aid measures after eye contact	: Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Give water to drink if victim is completely conscious/alert. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries	: May cause drowsiness or dizziness. Overexposure may be irritating to the respiratory system. Causes skin irritation.
Symptoms/injuries after inhalation	: Inhalation of mist may cause mild irritation to upper respiratory tract. May cause drowsiness or dizziness.
Symptoms/injuries after skin contact	: Causes skin irritation.
Symptoms/injuries after eye contact	: Causes serious eye irritation.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters	: Do not enter fire area without proper protective equipment, including respiratory protection.
Other information	: Special danger of slipping by leaking/spilling product. Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide, nitrogen oxides (NOx). Silicon oxide.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid contact with skin, eyes and clothes. Avoid inhalation of vapour and spray mist. Stop leak if safe to do so. Spilled material may present a slipping hazard.

6.1.1. For non-emergency personnel

Protective equipment	: Wear protective clothing as described in Section 8 of this safety data sheet.
Emergency procedures	: Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment	: Equip cleanup crew with proper protection.
Emergency procedures	: Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

Pro Strength RainTite

Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. Dispose of contents/container to comply with applicable local, national and international regulations.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Keep out of reach of children. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Keep container closed when not in use.

Hygiene measures : Do not eat, drink or smoke when using this product. Avoid contact with skin and eyes. Use good personal hygiene practices. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Separate working clothes from town clothes. Launder separately. Wash contaminated clothing prior to re-use.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep locked up and out of reach of children. Keep container closed when not in use. Keep only in the original container in a cool well ventilated place. Store away from freezing (avoid freezing during storage). Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

Incompatible materials : Strong acids, bases. Oxidizing agents.

Heat and ignition sources : Remove all sources of ignition.

Special rules on packaging : Correctly labelled.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

There are no applicable occupational exposure limits for the substances contained in the product

8.2. Exposure controls

Appropriate engineering controls : Ensure adequate ventilation. Positive pressure in interior of occupied buildings during exterior application. A washing facility/water for eye and skin cleaning purposes should be present.

Personal protective equipment : Avoid all unnecessary exposure. Gloves. Protective clothing. Protective goggles. The following pictograms represent the minimum requirements for personal protective equipment.



Hand protection : Wear protective gloves.

Eye protection : Wear chemical splash goggle.

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : Work in well-ventilated zones or use proper respiratory protection. In fine dispersion/spraying/misting: Wear appropriate mask. If this material is handled at elevated temperature or under mist forming conditions, approved respiratory protection equipment should be used.

Environmental exposure controls : Avoid discharge to the environment.

Other information : Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Appearance : Milky

Pro Strength RainTite

Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

Colour	: White.
Odour	: Odourless
Odour threshold	: No data available
pH	: 7 - 8
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: < 0 °C (32 ° F)
Boiling point	: 100 °C (212 ° F)
Flash point	: No data available
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1 g/cm ³ (8.345 lb/gal) :
Solubility	Water: Soluble
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Not established.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases. Strong oxidizers.

10.6. Hazardous decomposition products

Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide, SiO₂. Nitrogen oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

1,2-benzisothiazol-3(2H)-one (2634-33-5)	
LD50 oral rat	500 mg/kg
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9)	
LD50 oral rat	64 mg/kg
Pyrithione zinc (13463-41-7)	
LC50 oral rat	300 mg/kg
octhilinone (ISO) (26530-20-1)	
LD50 oral	125 mg/kg

Pro Strength RainTite

Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

11.2. Information on other hazards:

Endocrine disrupting properties
Endocrine-disrupting properties: The product does not meet the criteria.
Other information:
Not relevant

SECTION 12: Ecological information

12.1. Toxicity

1,2-benzisothiazol-3(2H)-one (2634-33-5)	
LC50 fishes 1	>0.1 - 1 mg/L (96 h)
EC50 crustacean	>0.1 - 1 mg/L (48 h)
EC50 algae	> 0.1 - 1 mg/L (72 h)
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9)	
LC50 fishes 1	>0.001 - 0.01 mg/L (96 h)
EC50 crustacean	>0.001 - 0.01 mg/L (48 h)
EC50 algae	> 0.001 - 0.01 mg/L (72 h)
Pyrithione zinc (13463-41-7)	
LC50 fishes 1	0,003 mg/L (96 h)
EC50 crustacean	0,008 mg/L (48 h)
EC50	Not relevant
octhilinone (ISO) (26530-20-1)	
LC50 fishes 1	>0.001 - 0.01 mg/L (96 h)
EC50 crustacean	>0.001 - 0.01 mg/L (48 h)
EC50 algae	> 0.001 - 0.01 mg/L (72 h)
Isotridecanol, ethoxylated< 2.5 mol EO (69011-36-5)	
LC50 fishes 1	>0.1 - 1 mg/L (96 h)
EC50 crustacean	>0.1 - 1 mg/L (48 h)
EC50 algae	> 0.1 - 1 mg/L (72 h)

12.2. Persistence and degradability

Standard Watertite	
Persistence and degradability	Not relevant.

12.3. Bioaccumulative potential

1,2-benzisothiazol-3(2H)-one (2634-33-5)	
BCF	2
Pow Log	1.45
Potential	Low

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with DOT

No dangerous good in sense of transport regulations

Additional information

Other information : No supplementary information available.

Pro Strength RainTite

Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

ADR

Transport document description :

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

1,2-benzisothiazol-3(2H)-one (2634-33-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Pyrithione zinc (13463-41-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

octhilinone (ISO) (26530-20-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Isotridecanol, ethoxylated< 2.5 mol (69011-36-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

CANADA

1,2-benzisothiazol-3(2H)-one (2634-33-5)

Listed on the Canadian DSL (Domestic Substances List) inventory.

Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9)

Listed on the Canadian DSL (Domestic Substances List) inventory.

Pyrithione zinc (13463-41-7)

Listed on the Canadian DSL (Domestic Substances List) inventory.

octhilinone (ISO) (26530-20-1)

Listed on the Canadian DSL (Domestic Substances List) inventory.

Isotridecanol, ethoxylated< 2.5 mol (69011-36-5)

Listed on the Canadian DSL (Domestic Substances List) inventory.

EU-Regulations

1,2-benzisothiazol-3(2H)-one (2634-33-5)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances.

Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances.

Pyrithione zinc (13463-41-7)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances.

octhilinone (ISO) (26530-20-1)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances.

Isotridecanol, ethoxylated< 2.5 mol (69011-36-5)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances.

Classification according to Regulation (EC) No. 528/2012 [CLP]

Contains a preservative to protect the initial properties of the treated article. Contains 1,2-benzisothiazol-3(2H)-one, Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1),Pyrithione zinc, octhilinone (ISO).

Classification according to Directive 67/548/EEC or 1999/45/EC

No information available

Pro Strength RainTite

Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

1,2-benzisothiazol-3(2H)-one (2634-33-5)

Listed on the AICS (the Australian Inventory of Chemical Substances)
Listed on Inventory of Existing Chemical Substances (IECSC)
Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory.
Listed on the Korean ECL (Existing Chemical List) inventory.
Listed on New Zealand - Inventory of Chemicals (NZIoC)
Listed on Inventory of Chemicals and Chemical Substances (PICCS)

Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9)

Listed on IARC (International Agency for Research on Cancer)
Listed on the AICS (the Australian Inventory of Chemical Substances)
Listed on Inventory of Existing Chemical Substances (IECSC)
Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory.
Listed on the Korean ECL (Existing Chemical List) inventory.
Listed on New Zealand - Inventory of Chemicals (NZIoC)
Listed on Inventory of Chemicals and Chemical Substances (PICCS)
Listed on the Canadian Ingredient Disclosure List

Pyrithione zinc (13463-41-7)

Listed on IARC (International Agency for Research on Cancer)
Listed on the AICS (the Australian Inventory of Chemical Substances)
Listed on Inventory of Existing Chemical Substances (IECSC)
Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory.
Listed on the Korean ECL (Existing Chemical List) inventory.
Listed on New Zealand - Inventory of Chemicals (NZIoC)
Listed on Inventory of Chemicals and Chemical Substances (PICCS)
Listed on the Canadian Ingredient Disclosure List

octhilinone (ISO) (26530-20-1)

Listed on IARC (International Agency for Research on Cancer)
Listed on the AICS (the Australian Inventory of Chemical Substances)
Listed on Inventory of Existing Chemical Substances (IECSC)
Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory.
Listed on the Korean ECL (Existing Chemical List) inventory.
Listed on New Zealand - Inventory of Chemicals (NZIoC)
Listed on Inventory of Chemicals and Chemical Substances (PICCS)
Listed on the Canadian Ingredient Disclosure List

Isotridecanol, ethoxylated< 2.5 mol (69011-36-5)

Listed on IARC (International Agency for Research on Cancer)
Listed on the AICS (the Australian Inventory of Chemical Substances)
Listed on Inventory of Existing Chemical Substances (IECSC)
Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory.
Listed on the Korean ECL (Existing Chemical List) inventory.
Listed on New Zealand - Inventory of Chemicals (NZIoC)
Listed on Inventory of Chemicals and Chemical Substances (PICCS)
Listed on the Canadian Ingredient Disclosure List

SECTION 16: Other information

Other information : None.

Full text of H-phrases: see section

16:	Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
	Carc. 1A	Carcinogenicity, Category 1A
	Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
	Flam. Liq. 2	flammable liquids Category 2
	Skin Corr. 1B	skin corrosion/irritation Category 1B
	Skin Irrit. 2	skin corrosion/irritation Category 2
	H225	Highly flammable liquid and vapour
	H302	Harmful if swallowed
	H314	Causes severe skin burns and eye damage
	H315	Causes skin irritation
	H319	Causes serious eye irritation
	H350	May cause cancer

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product