

Printing date 20.12.2022 Revision: 20.12.2022

1 Identification

- · Product identifier
- · Trade name: ROOFKOTE 370 METAPRIME GRAY
- Relevant identified uses of the substance or mixture and uses advised against No further relevant information available.
- · Details of the supplier of the safety data sheet
- · Manufacturer/Supplier:

Treasure Island Industrial Corp. No.2. 3rd Ave. S. Osmena Blvd. North Reclamation Area Cebu City 6000 **PHILIPPINES**

doo@treasureisland.com.ph

- · Further information obtainable from: Product safety department
- Emergency telephone number: During normal opening times: +63 32 232 05 13

2 Hazard identification

· Classification of the substance or mixture



Skin Sens. 1 H317 May cause an allergic skin reaction.

Acute Tox. 5 H303 May be harmful if swallowed. Acute Tox. 5 H333 May be harmful if inhaled. H316 Causes mild skin irritation. Skin Corr. 3 *Aquatic Acute 3* H402 Harmful to aquatic life.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

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



Xi; Sensitising

R43: May cause sensitisation by skin contact.

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

- · Label elements
- · Labelling according to EU guidelines:

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

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· Code letter and hazard designation of product:



Xi Irritant

· Hazard-determining components of labelling:

reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

· Risk phrases:

- 43 May cause sensitisation by skin contact.
- 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

· Safety phrases:

- 2 Keep out of the reach of children.
- 24 Avoid contact with skin.
- 29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.
- 37 Wear suitable gloves.
- 46 If swallowed, seek medical advice immediately and show this container or label.
- · Other hazards
- · Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- · vPvB: Not applicable.

3 Composition / information on ingredients

- · Chemical characterisation: Mixtures
- · **Description:** Mixture of substances listed below with nonhazardous additions

Dangerous compo	onents:	
	Hydrated Magnesium Silicate	
	★ Xi R38	
	♦ Skin Irrit. 2, H315	
CAS: 1317-65-3	Calcium Carbonate	
	♠ Acute Tox. 4, H302 Acute Tox. 5, H333; Skin Corr. 3, H316; Eye Irritation 2B, H320	
CAS: 13463-67-7	titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter $\leq 10 \ \mu m$]	
	& Carc. 2, H351 Acute Tox. 5, H333	
CAS: 111-76-2	Normal Butyl Cellusolve	
	 Flam. Liq. 3, H226 Eye Dam. 1, H318 ↑ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315 	

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		(Contd. of pa
CAS: 9004-62-0	2-hydroxyethyl cellulose T Repr. Cat. 1 R60-61 Xn R20/21/22 Xn R42/43 Xi R36	
	Resp. Sens. 1, H334; Repr. 1A, H360; Asp. Tox. 2, H305 Skin Sens. 1, H317 Acute Tox. 5, H303; Acute Tox. 5, H313; Acute Tox. 5, H333; Eye Irritation 2B, H320	
	poly(oxy-1,2-ethanediyl), alpha-(phenylmethyl)-omega-(1,1,3,3-tetramethylbutyl)phenoxy- T R25 C R34 Xn R21/22 Xi R36/37 Acute Tox. 2, H300; Acute Tox. 3, H311 Skin Corr. 1B, H314; Eye Dam. 1, H318 TSTOT SE 3, H335	
CAS: 7664-41-7	Ammonia ☐ T R23 ☐ C R34 ☐ N R50 R10 ☐ Press. Gas C, H280 ☐ T 2 H231	
	Acute Tox. 3, H331 Skin Corr. 1B, H314 Aquatic Acute 1, H400 Acute Tox. 4, H302 Flam. Gas 2, H221	
CAS: 330-54-1	diuron(ISO) Xn R22-40-48/22 N R50/53 Carc. Cat. 3 ♦ Carc. 2, H351; STOT RE 2, H373 Aquatic Acute 1, H400; Aquatic Chronic 1, H410	
	1) Acute Tox. 4, H302	



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		(Contd. of pa
CAS: 10605-21-7	carbendazim (ISO)	
	😡 T Muta. Cat. 2, Repr. Cat. 2 R46-60-61	
	N R50/53	
	♦ Muta. 1B, H340; Repr. 1B, H360	
	Aquatic Acute 1, H400; Aquatic Chronic 1, H410	
	♦ Skin Sens. 1, H317	
CAS: 26530-20-1	2-octyl-2H-isothiazol-3-one	
	₩ T R23/24	
	<u> C R34</u>	
	X Xn R22	
	★ Xi R43	
	N R50/53	
	Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 2, H330	
	Skin Corr. 1A, H314; Eye Dam. 1, H318	
	Aquatic Acute 1, H400; Aquatic Chronic 1, H410	
	(!) Skin Sens. 1A, H317	
	Specific concentration limit: Skin Sens. 1A; H317: C≥ 0.0015 %	
CAS: 55965-84-9	reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-	
	500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	
	₩ T R23/24/25	
	5 C R34	
	X Xi R43	
	₹ N R50/53	
	Acute Tox. 3, H301; Acute Tox. 2, H310; Acute Tox. 2, H330	
	♦ Skin Corr. 1C, H314; Eye Dam. 1, H318	
	Aquatic Acute 1, H400; Aquatic Chronic 1, H410	
	♦ Skin Sens. 1A, H317	
	Specific concentration limits: Skin Corr. 1C; H314: C≥ 0.6 %	
	Skin Irrit. 2; H315: 0.06 % ≤ C < 0.6 %	
	Eye Dam. 1; H318: C ≥ 0.6 %	
	Eye Irrit. 2; H319: 0.06 % ≤ C < 0.6 %	
	Skin Sens. 1A; H317: $C \ge 0.0015 \%$	

4 First-aid measures

- · Description of first aid measures
- · After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

- · After skin contact: Immediately wash with water and soap and rinse thoroughly.
- · After eye contact: Rinse opened eye for several minutes under running water.
- · After swallowing: If symptoms persist consult doctor.
- Information for doctor:
- · Most important symptoms and effects, both acute and delayed No further relevant information available.

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· Indication of any immediate medical attention and special treatment needed No further relevant information available.

5 Fire-fighting measures

- · Extinguishing media
- · Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.
- · Special hazards arising from the substance or mixture No further relevant information available.
- · Advice for firefighters
- · Protective equipment: No special measures required.

6 Accidental release measures

- · Personal precautions, protective equipment and emergency procedures Not required.
- · Environmental precautions:

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

Dilute with plenty of water.

Do not allow to enter sewers/surface or ground water.

· Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Ensure adequate ventilation.

· Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

- · Handling:
- · Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

- Information about fire and explosion protection: No special measures required.
- · Conditions for safe storage, including any incompatibilities
- · Storage:
- Requirements to be met by storerooms and receptacles: No special requirements.
- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions: None.
- · Specific end use(s) No further relevant information available.

8 Exposure controls / personal protection

· Additional information about design of technical facilities: No further data; see item 7.

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Ingredients with limit values that require monitoring at the workplace:			
CAS: 111-7	76-2 Normal Butyl Cellusolve		
PEL (USA)	Long-term value: 240 mg/m³, 50 ppm Skin		
REL (USA)	Long-term value: 24 mg/m³, 5 ppm Skin		
TLV (USA)	Long-term value: 20 ppm BEI, A3		
CAS: 7664-	-41-7 Ammonia		
PEL (USA)	Long-term value: 35 mg/m³, 50 ppm		
REL (USA)	Short-term value: 27 mg/m³, 35 ppm Long-term value: 18 mg/m³, 25 ppm		
TLV (USA)	Short-term value: 35 ppm Long-term value: 25 ppm		
CAS: 330-5	54-1 diuron(ISO)		
REL (USA)	Long-term value: 10 mg/m³		
TLV (USA)	Long-term value: 10 mg/m³ A4		

Ingredients with biological limit values:

CAS: 111-76-2 Normal Butyl Cellusolve

BEI (USA) 200 mg/g creatinine

Medium: urine Time: end of shift

Parameter: Butoxyacetic acid (BAA) (with hydrolysis)

- · Additional information: The lists valid during the making were used as basis.
- · Exposure controls
- · Personal protective equipment:
- · General protective and hygienic measures:

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

· Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

· Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

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· Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Eye protection: Goggles recommended during refilling

Information on basic physical and chem	nical proparties	
Information on basic physical and chem General Information	nicai properties	
Appearance:		
Form:	Fluid	
Colour:	According to product specification	
Odour:	Characteristic	
Odour threshold:	Not determined.	
pH-value:	Not determined.	
Change in condition		
Melting point/freezing point:	Undetermined.	
Initial boiling point and boiling range	2: 100 °C	
Flash point:	Not applicable.	
Flammability (solid, gas):	Not applicable.	
Decomposition temperature:	Not determined.	
Auto-ignition temperature:	Product is not selfigniting.	
Explosive properties:	Product does not present an explosion hazard.	
Explosion limits:		
Lower:	Not determined.	
Upper:	Not determined.	
Vapour pressure at 20 °C:	23 hPa	
Density at 20 °C:	1.34 g/cm^3	
Bulk density:	1 kg/m^3	
Relative density	Not determined.	
Vapour density	Not determined.	
Evaporation rate	Not determined.	
Solubility in / Miscibility with		
water:	Fully miscible.	
Partition coefficient: n-octanol/water:	Not determined.	
Viscosity:		
Dynamic:	Not determined.	



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Kinematic:	Not determined.
· Solvent content: Organic solvents: Water: VOC (EC)	1.9 % 42.0 % 1.91 %
Solids content:	55.2 %
· Other information	No further relevant information available.

10 Stability and reactivity

- · Reactivity No further relevant information available.
- · Chemical stability
- · Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · Possibility of hazardous reactions No dangerous reactions known.
- · Conditions to avoid No further relevant information available.
- · Incompatible materials: No further relevant information available.
- · Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

- · Information on toxicological effects

		vant for classification:
CAS: 1340		unium dioxide [in powder form containing 1 % or more of particles with aerodynamic imeter ≤ 10 µm]
Oral	LD50	>20,000 mg/kg (rat)
Dermal	LD50	>10,000 mg/kg (rabbit)
Inhalative	LC50/4 h	>6.82 mg/l (rat)
CAS: 111-	76-2 Norn	nal Butyl Cellusolve
Oral	LD50	1,200 mg/kg (ATE)
		1,480 mg/kg (rat)
Dermal	LD50	400 mg/kg (rab)
CAS: 7664	1-41-7 Ami	monia
Oral	LD50	350 mg/kg (rat)
Inhalative	LC50/4 h	2,000 mg/l (rat)
CAS: 2653	30-20-1 2-a	octyl-2H-isothiazol-3-one
Oral	LD50	125 mg/kg (ATE)
	LD50	311 mg/kg (ATE)
Dermal	2200	

- Primary irritant effect:
- · Skin corrosion/irritation No irritant effect.

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- · Serious eye damage/irritation No irritating effect.
- · Respiratory or skin sensitisation Sensitisation possible through skin contact.
- · Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Irritant

12 Ecological information

- · Toxicity
- · Aquatic toxicity: No further relevant information available.
- · Persistence and degradability No further relevant information available.
- Behaviour in environmental systems:
- · Bioaccumulative potential No further relevant information available.
- · Mobility in soil No further relevant information available.
- · Ecotoxical effects:
- · Remark: Harmful to fish
- · Additional ecological information:
- · General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

Harmful to aquatic organisms

- · Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- · vPvB: Not applicable.
- · Other adverse effects No further relevant information available.

13 Disposal considerations

- · Waste treatment methods
- · Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- · Uncleaned packaging:
- · Recommendation: Disposal must be made according to official regulations.
- · Recommended cleansing agents: Water, if necessary together with cleansing agents.

14 Transport information

- · UN-Number
- · ADR, IMDG, IATA Void
- · UN proper shipping name
- · ADR, IMDG, IATA Void

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· Transport hazard class(es)		
· ADR, ADN, IMDG, IATA · Class	Void	
· Packing group · ADR, IMDG, IATA	Void	
· Environmental hazards:	Not applicable.	
· Transport in bulk according to Annex and the IBC Code	II of Marpol Not applicable.	
· UN "Model Regulation":	Void	

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13 K	0011	atory ini	ormation

Safety, health and environmental regulations/legislation specific for the substance or mixture

Philippines Inven	tory of Chemicals and Chemical Substances
CAS: 7732-18-5	water, distilled, conductivity or of similar purity
CAS: 57516-68-4	STYRENE ACRYLATE COPOLYMER
CAS: 1317-65-3	Calcium Carbonate
CAS: 13463-67-7	titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter \leq 10 μ m]
CAS: 111-76-2	Normal Butyl Cellusolve
CAS: 845-10-3	sodium 2-(p-(dimethylamino)phenylazo)benzoate
CAS: 7631-86-9	Fumed Silica
CAS: 12227-89-3	Iron Oxide Black
CAS: 21645-51-2	aluminium hydroxide
CAS: 9004-62-0	2-hydroxyethyl cellulose
CAS: 111-46-6	Diethylene Glycol
CAS: 8042-47-5	White mineral oil, petroleum
CAS: 1314-23-4	zirconium dioxide
CAS: 60864-33-7	poly(oxy-1,2-ethanediyl), alpha-(phenylmethyl)-omega-(1,1,3,3-tetramethylbutyl)phenoxy-
CAS: 7664-41-7	Ammonia
CAS: 330-54-1	diuron(ISO)
CAS: 10605-21-7	carbendazim (ISO)
CAS: 9036-19-5	Polyethylene glycol octylphenyl ether
CAS: 3586-55-8	(Ethylendioxy)dimethanol
CAS: 26530-20-1	2-octyl-2H-isothiazol-3-one
	Polyethylene Glycol
CAS: 55965-84-9	reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl 2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

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- · Directive 2012/18/EU
- · Named dangerous substances ANNEX I None of the ingredients is listed.
- · Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

•	Relevant	t phrases
	H221	Flamm

able gas. H226 Flammable liquid and vapour.

Contains gas under pressure; may explode if heated. H280

H300 Fatal if swallowed. H301 Toxic if swallowed.

H302 Harmful if swallowed.

H303 May be harmful if swallowed.

May be harmful if swallowed and enters airways. H305

H310 Fatal in contact with skin. H311 Toxic in contact with skin.

H312 Harmful in contact with skin.

H313 May be harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation. H316 Causes mild skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H320 Causes eye irritation. H330 Fatal if inhaled.

H331 Toxic if inhaled.

Harmful if inhaled. H332

H333 May be harmful if inhaled.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335 May cause respiratory irritation.

H340 May cause genetic defects. H351 Suspected of causing cancer.

H360 May damage fertility or the unborn child.

H373 May cause damage to organs through prolonged or repeated exposure.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

R10 Flammable.

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

Harmful in contact with skin and if swallowed. R21/22

R22 Harmful if swallowed.

R23 Toxic by inhalation.

Toxic by inhalation and in contact with skin.

R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.

Toxic if swallowed. R25 R34 Causes burns.

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* Data compared to the previous version altered.

(Contd. of page 11) R36 Irritating to eyes. R36/37 Irritating to eyes and respiratory system. R36/38 Irritating to eyes and skin. R38 Irritating to skin. R40 Limited evidence of a carcinogenic effect. R42/43 May cause sensitisation by inhalation and skin contact. R43 May cause sensitisation by skin contact. May cause heritable genetic damage. R46 R48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed. R50 Very toxic to aquatic organisms. R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R60 May impair fertility. R61 May cause harm to the unborn child. · Department issuing SDS: Product safety department · Contact: Mr. Ong · Abbreviations and acronyms: ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Flam. Gas 2: Flammable gases - Category 2 Press. Gas C: Gases under pressure - Compressed gas Flam. Liq. 3: Flammable liquids - Category 3 Acute Tox. 2: Acute toxicity - Category 2 Acute Tox. 4: Acute toxicity - Category 4 Acute Tox. 3: Acute toxicity - Category 3 Acute Tox. 5: Acute toxicity - Category 5 Skin Corr. 1A: Skin corrosion/irritation - Category 1A Skin Corr. 1B: Skin corrosion/irritation - Category 1B Skin Corr. 1C: Skin corrosion/irritation – Category 1C Skin Irrit. 2: Skin corrosion/irritation – Category 2 Skin Corr. 3: Skin corrosion/irritation – Category 3 Eye Dam. 1: Serious eye damage/eye irritation - Category 1 Eye Irritation 2B: Serious eye damage/eye irritation – Category 2B Resp. Sens. 1: Respiratory sensitisation – Category 1 Skin Sens. 1: Skin sensitisation - Category 1 Skin Sens. 1A: Skin sensitisation – Category 1A Muta. 1B: Germ cell mutagenicity - Category 1B Carc. 2: Carcinogenicity - Category 2 Repr. 1A: Reproductive toxicity - Category 1A Repr. 1B: Reproductive toxicity - Category 1B STOT SE 3: Specific target organ toxicity (single exposure) - Category 3 STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2 Asp. Tox. 2: Aspiration hazard - Category 2 Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard - Category 1 Aquatic Acute 3: Hazardous to the aquatic environment - acute aquatic hazard - Category 3 Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard - Category 1 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard - Category 3