SAFETY DATA SHEET

Plant-Based Multi Surface Primer and Undercoat

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name

Plant-Based Multi Surface Primer and Undercoat

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

Relevant identified uses of the substance or mixture

Primer

Uses advised against

None known.

1.3. Details of the supplier of the safety data sheet

Company and address

John Myland Ltd.
26 Rothschild St,
Norwood
SE27 0HQ London
England
Tel: +44 (0) 208 670 9161
mylands.com

Contact person

Mylands

E-mail

info@mylands.co.uk

Revision

27/01/2025

SDS Version

3.0

Date of previous version

28/06/2024 (2.0)

1.4. Emergency telephone number

Healthcare professionals: Dial 0344 892 0111 to reach The National Poisons Information Service (NPIS) (24 hour service)
General public:
England - Dial 111 to reach NHS 111 (24 hour service)
Scotland - Dial 112 to reach NHS 24 (24 hour service)
Wales - Dial 111 or 0845 4647 to reach NHS Direct (24 hour service)
See section 4 “First aid measures”.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Aquatic Chronic 2; H411, Toxic to aquatic life with long lasting effects.

2.2. Label elements

Hazard pictogram(s)



Signal word

Not applicable.

Hazard statement(s)

Toxic to aquatic life with long lasting effects. (H411)

Precautionary statement(s)

General

Keep out of reach of children. (P102)

Prevention

Avoid release to the environment. (P273)

Response

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. (P301+P330+P331)
IF ON SKIN: Wash with plenty of water and soap. (P302+P352)
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)
Collect spillage. (P391)

Storage

Store in a dry place. Store in a closed container. (P402+P404)

Disposal

Dispose of contents/container in accordance with local regulation (P501)

Hazardous substances

trizinc bis(orthophosphate)

Additional labelling

EUH208, Contains reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.

2.3. Other hazards

▼Additional warnings

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification. This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2023/707.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
trizinc bis(orthophosphate)	CAS No.: 7779-90-0 EC No.: 231-944-3 UK-REACH: Index No.: 030-011-00-6	3-5%	Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	
triethylamine	CAS No.: 121-44-8 EC No.: 204-469-4 UK-REACH: Index No.: 612-004-00-5	<1%	Flam. Liq. 2, H225 Acute Tox. 4, H302 Acute Tox. 3, H311 Skin Corr. 1A, H314 Eye Dam. 1, H318 Acute Tox. 3, H331 STOT SE 3, H335	[1]
zinc oxide	CAS No.: 1314-13-2 EC No.: 215-222-5 UK-REACH: Index No.: 030-013-00-7	<0.25%	Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	
2-(2-butoxyethoxy)ethanol	CAS No.: 112-34-5 EC No.: 203-961-6	<0.1%	Eye Irrit. 2, H319	

	UK-REACH: Index No.: 603-096-00-8

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

[1] European occupational exposure limit.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact

IF ON SKIN: Wash with plenty of water and soap.
Remove contaminated clothing and shoes. Ensure to wash exposed skin thoroughly with water and soap. DO NOT use solvents or thinners.
If skin irritation occurs: Get medical advice/attention.

Eye contact

If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

Ingestion

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.
In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

Burns

Not applicable.

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

Sensitisation: This product contains substances, which may trigger allergic reaction upon dermal contact.
Manifestation of allergic reactions typically takes place within 12-72 hours after exposure.

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

Treat symptomatically.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.
Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

5.3. ▼Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.
Hazchem Code: ●3Z

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Ensure adequate ventilation, especially in confined areas.
Contaminated areas may be slippery.

6.2. Environmental precautions
Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities.

6.3. Methods and material for containment and cleaning up
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.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections
See section 13 “Disposal considerations” on handling of waste.
See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
It is recommended to install waste collection trays in order to prevent emissions to the waste water system and surrounding environment.
Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities
Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material
Keep only in original packaging.

Storage conditions
Dry, cool and well ventilated

Incompatible materials
Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)
This product should only be used for applications quoted in section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. ▼Control parameters
titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]
Long term exposure limit (8 hours) (mg/m^3): 10(inhalable)/4(respirable)

Mono Propylene Glycol
Long term exposure limit (8 hours) (ppm): 150(total)
Long term exposure limit (8 hours) (mg/m^3): 474(total)/10(particulates)

triethylamine
Long term exposure limit (8 hours) (ppm): 2
Long term exposure limit (8 hours) (mg/m^3): 8
Short term exposure limit (15 minutes) (ppm): 4
Short term exposure limit (15 minutes) (mg/m^3): 17
Annotations:
Sk = Can be absorbed through the skin and lead to systemic toxicity.

Aluminium hydroxide
Long term exposure limit (8 hours) (mg/m^3): 2

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002.

EH40/2005 Workplace exposure limits (Fourth Edition 2020).

▼DNEL

Aluminium hydroxide

Duration:	Route of exposure:	DNEL:
Long term – Local effects - Workers	Inhalation	10.76 mg/m³
Long term – Systemic effects - Workers	Inhalation	10.76 mg/m³
Long term – Systemic effects - General population	Oral	4.74 mg/kg bw/day

Mono Propylene Glycol

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Inhalation	10 mg/m³
Long term – Local effects - Workers	Inhalation	10 mg/m³
Long term – Systemic effects - General population	Inhalation	50 mg/m³
Long term – Systemic effects - Workers	Inhalation	168 mg/m³

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Inhalation	28 µg/m³
Long term – Local effects - Workers	Inhalation	170 µg/m³

triethylamine

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - Workers	Dermal	12.1 mg/kg bw/day
Long term – Local effects - Workers	Inhalation	8.4 mg/m³
Long term – Systemic effects - Workers	Inhalation	8.4 mg/m³
Short term – Local effects - Workers	Inhalation	12.6 mg/m³
Short term – Systemic effects - Workers	Inhalation	12.6 mg/m³

trizinc bis(orthophosphate)

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	83 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	83 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	2.5 mg/m³
Long term – Systemic effects - Workers	Inhalation	5 mg/m³
Long term – Systemic effects - General population	Oral	830 µg/kg bw/day

zinc oxide

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	83 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	83 mg/kg bw/day
Long term – Local effects - Workers	Inhalation	500 µg/m³
Long term – Systemic effects - General population	Inhalation	2.5 mg/m³
Long term – Systemic effects - Workers	Inhalation	5 mg/m³
Long term – Systemic effects - General population	Oral	830 µg/kg bw/day

▼PNEC

Mono Propylene Glycol

Route of exposure:	Duration of Exposure:	PNEC:

Freshwater	260 mg/L
Freshwater sediment	572 mg/kg
Intermittent release (freshwater)	183 mg/L
Marine water	26 mg/L
Marine water sediment	57.2 mg/kg
Sewage treatment plant	20 g/L
Soil	50 mg/kg

triethylamine

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		110 µg/L
Freshwater sediment		1.575 mg/kg
Intermittent release (freshwater)		80 µg/L
Marine water		11 µg/L
Marine water sediment		158 µg/kg
Sewage treatment plant		100 mg/L
Soil		250 µg/kg

trizinc bis(orthophosphate)

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		14.4-85 µg/L
Freshwater sediment		146.9-867.4 mg/kg
Marine water		7.2-42.5 µg/L
Marine water sediment		162.2-957.7 mg/kg
Sewage treatment plant		100-590.5 µg/L
Soil		83.1-490.7 mg/kg

zinc oxide

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		14.4-17.9 µg/L
Freshwater sediment		146.9-182.8 mg/kg
Marine water		7.2-9 µg/L
Marine water sediment		162.2-201.9 mg/kg
Sewage treatment plant		100-124.5 µg/L
Soil		83.1-103.4 mg/kg

8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios

There are no exposure scenarios implemented for this product.

Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.
Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

Measures to avoid environmental exposure

Keep damming materials near the workplace. If possible, collect spillage during work.

Individual protection measures, such as personal protective equipment

Generally

Use only UKCA marked protective equipment.

Respiratory Equipment

Type	Class	Colour	Standards
Respiratory protection is not needed in the event of adequate ventilation.			

Skin protection

Recommended	Type/Category	Standards	
Dedicated work clothing should be worn.	-	-	

Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
Cotton/Nitril	-	> 240	EN374-2, EN374-3, EN388	

Eye protection

Type	Standards	
Safety glasses with side shields.	EN166	

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

Liquid

Colour

Various colours

▼Odour / Odour threshold

No relevant or available data due to the nature of the product.

▼pH

No relevant or available data due to the nature of the product.

▼Density (g/cm^3)

No relevant or available data due to the nature of the product.

▼Kinematic viscosity

No relevant or available data due to the nature of the product.

Particle characteristics

Does not apply to liquids.

Phase changes

▼Melting point/Freezing point (°C)

No relevant or available data due to the nature of the product.

Softening point/range (°C)

Does not apply to liquids.

▼Boiling point (°C)
No relevant or available data due to the nature of the product.

▼Vapour pressure
No relevant or available data due to the nature of the product.

▼Relative vapour density
No relevant or available data due to the nature of the product.

▼Decomposition temperature (°C)
No relevant or available data due to the nature of the product.

Data on fire and explosion hazards

▼Flash point (°C)
No relevant or available data due to the nature of the product.

▼Flammability (°C)
No relevant or available data due to the nature of the product.

▼Auto-ignition temperature (°C)
No relevant or available data due to the nature of the product.

▼Lower and upper explosion limit (% v/v)
No relevant or available data due to the nature of the product.

Solubility

▼Solubility in water
No relevant or available data due to the nature of the product.

▼n-octanol/water coefficient (LogKow)
No relevant or available data due to the nature of the product.

▼Solubility in fat (g/L)
No relevant or available data due to the nature of the product.

9.2. Other information

▼Oxidizing properties
No relevant or available data due to the nature of the product.

Other physical and chemical parameters
No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity
No data available.

10.2. Chemical stability
The product is stable under the conditions, noted in section 7 “Handling and storage”.

10.3. Possibility of hazardous reactions
None known.

10.4. Conditions to avoid
None known.

10.5. Incompatible materials
Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. ▼Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 as retained and amended in UK law

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

Skin corrosion/irritation
Based on available data, the classification criteria are not met.

Serious eye damage/irritation
Based on available data, the classification criteria are not met.

Respiratory sensitisation
Based on available data, the classification criteria are not met.
Skin sensitisation
Based on available data, the classification criteria are not met.
Germ cell mutagenicity
Based on available data, the classification criteria are not met.
Carcinogenicity
Based on available data, the classification criteria are not met.
Reproductive toxicity
Based on available data, the classification criteria are not met.
STOT-single exposure
Based on available data, the classification criteria are not met.
STOT-repeated exposure
Based on available data, the classification criteria are not met.
Aspiration hazard
Based on available data, the classification criteria are not met.

11.2. Information on other hazards

Long term effects
None known.
Endocrine disrupting properties
This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.
Other information
titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] has been classified by IARC as a group 2B carcinogen.

SECTION 12: Ecological information

12.1. Toxicity

Toxic to aquatic life with long lasting effects.

12.2. Persistence and degradability

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

12.3. Bioaccumulative potential

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

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Endocrine disrupting properties

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

12.7. Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.
This product contains substances, which may cause adverse long-term effects to the aquatic environment.

SECTION 13: Disposal considerations

Waste treatment methods
Product is covered by the regulations on hazardous waste.
HP 14 – Ecotoxic
Dispose of contents/container to an approved waste disposal plant.
Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.
EWC code
Not applicable.
Specific labelling

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: Transport information

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (trizinc bis(orthophosphate))	Transport hazard class: 9 Label: 9 Classification code: M6 	III	Yes	Limited quantities: 5 L Tunnel restriction code: (-) See below for additional information.
IMDG	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (trizinc bis(orthophosphate))	Transport hazard class: 9 Label: 9 Classification code: M6 	III	Yes	Limited quantities: 5 L EmS: F-A S-F See below for additional information.
IATA	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (trizinc bis(orthophosphate))	Transport hazard class: 9 Label: 9 Classification code: M6 	III	Yes	See below for additional information.

* Packing group

** Environmental hazards

▼Additional information

This product is within scope of the regulations of transport of dangerous goods.
These substances when carried in single or combination packaging's containing a net quantity per single or inner packaging of 5 L or less for liquids or having a net mass per single or inner packaging of 5 kg or less for solids, are not subject to any other provisions of ADR/IMDG/IATA provided the packaging's meet the general provisions of 4.1.1.1, 4.1.1.2, 4.1.1.4 - 4.1.1.8 (ADR, IMDG) / 5.0.2.4.1, 5.0.2.6.1.1, 5.0.2.8 (IATA).
-
ADR / See Table A, section 3.2.1 for any information on special provisions, requirements, or warnings in connection with transport. See section 5.4.3, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport.
IMDG / See section 3.2.1, for any information on special provisions, requirements, or warnings in connection with transport.

IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with transport.
Hazchem Code: ●3Z

14.6. Special precautions for user
Not applicable.

14.7. Maritime transport in bulk according to IMO instruments
No data available.

SECTION 15: Regulatory information

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

Restrictions for application
No special.

Demands for specific education
No specific requirements.

Control of Major Accident Hazards (COMAH) - Categories / dangerous substances
E2 - ENVIRONMENTAL HAZARDS, Qualifying quantity (lower-tier): 200 tonnes / (upper-tier): 500 tonnes

UK-REACH, Annex XVII
triethylamine is subject to UK-REACH restrictions (entry 40).

Additional information
Not applicable.

Sources
Control of Major Accident Hazards (COMAH) Regulations 2015.
Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.
Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.
Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

15.2. Chemical safety assessment
No

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3
H225, Highly flammable liquid and vapour.
H302, Harmful if swallowed.
H311, Toxic in contact with skin.
H314, Causes severe skin burns and eye damage.
H318, Causes serious eye damage.
H319, Causes serious eye irritation.
H331, Toxic if inhaled.
H335, May cause respiratory irritation.
H400, Very toxic to aquatic life.
H410, Very toxic to aquatic life with long lasting effects.

Abbreviations and acronyms
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
CAS = Chemical Abstracts Service
CE = Conformité Européenne (European conformity)
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
CSA = Chemical Safety Assessment
CSR = Chemical Safety Report
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EINECS = European Inventory of Existing Commercial chemical Substances
ES = Exposure Scenario

EUH statement = CLP-specific Hazard statement
EuPCS = European Product Categorisation System
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
GWP = Global warming potential
IARC = International Agency for Research on Cancer (IARC)
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
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)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SCL = A specific concentration limit
SVHC = Substances of Very High Concern
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

The classification of the substance/mixture in regard of environmental hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

The safety data sheet is validated by

John Myland Ltd.

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.
It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.
Country-language: GB-en