

SAFETY DATA SHEET

MasterShield PEL 355 (formerly MasterProtect 355)

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	08.02.2023	000000264830	Date of first issue: 08.02.2023

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : MasterShield PEL 355 (formerly MasterProtect 355)

Product code : 000000000050267638

Manufacturer or supplier's details

Company : MB Solutions Australia Pty Ltd

Address : 11 Stanton Road, Seven Hills
NSW 2147

Telephone : +611300227300

Emergency telephone : ChemTel: +1-813-248-0585; Australia: 1-300-954-583

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Aspiration hazard : Category 1

Flammable liquids : Category 3

Acute toxicity (Inhalation - vapour) : Category 4

Acute toxicity (Oral) : Category 4

Acute toxicity (Dermal) : Category 4

Skin irritation : Category 2

Eye irritation : Category 2A

Skin sensitization : Category 1

Hazardous to the aquatic environment - acute hazard : Category 2

Hazardous to the aquatic environment - chronic hazard : Category 2

GHS label elements

Hazard pictograms :



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Signal Word : Danger

Hazard Statements : H226 Flammable liquid and vapor.
H319 Causes serious eye irritation.
H315 Causes skin irritation.
H312 Harmful in contact with skin.
H332 Harmful if inhaled.
H302 Harmful if swallowed.
H317 May cause an allergic skin reaction.
H304 May be fatal if swallowed and enters airways.
H401 Toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements : **Prevention:**
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P271 Use only outdoors or in a well-ventilated area.
P260 Do not breathe dusts or mists.
P273 Avoid release to the environment.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P243 Take action to prevent static discharges.
P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.
P272 Contaminated work clothing should not be allowed out of the workplace.
P264 Wash face, hands and any exposed skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P233 Keep container tightly closed.
P242 Use only non-sparking tools.
P240 Ground and bond container and receiving equipment.

Response:

P312 Call a POISON CENTER/ doctor/ if you feel unwell.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor/ .
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
P361 + P364 Take off immediately all contaminated clothing and wash it before reuse.
Rinse mouth.
P332 + P313 If skin irritation occurs: Get medical advice/ attention.
P391 Collect spillage.
P337 + P313 If eye irritation persists: Get medical advice/ at-

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tention.

P331 Do NOT induce vomiting.

P370 + P378 In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish.

Storage:

P405 Store locked up.

P403 + P235 Store in a well-ventilated place. Keep cool.

Disposal:

P501 Dispose of contents/container to appropriate hazardous waste collection point.

Other hazards which do not result in classification

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : organic solvents

Components

Chemical name	CAS-No.	Concentration (% w/w)
turpentine oil	8006-64-2	>= 50 -<= 100

SECTION 4. FIRST AID MEASURES

- | | |
|---|---|
| General advice | : First aid personnel should pay attention to their own safety.
Remove contaminated clothing. |
| If inhaled | : Remove the affected individual into fresh air and keep the person calm.
If breathing difficulties develop, aid in breathing and seek immediate medical attention. |
| In case of skin contact | : Wash thoroughly with soap and water
Under no circumstances should organic solvent be used.
If irritation develops, seek medical attention. |
| In case of eye contact | : Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. |
| If swallowed | : Rinse mouth and then drink 200-300 ml of water.
Do not induce vomiting due to aspiration hazard.
Do not induce vomiting unless told to by a poison control center or doctor. |
| Most important symptoms and effects, both acute and delayed | : Harmful if swallowed, in contact with skin or if inhaled.
May be fatal if swallowed and enters airways.
Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation. |

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Notes to physician : Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Dry powder
Alcohol-resistant foam
- Unsuitable extinguishing media : water jet
- Hazardous combustion products : harmful vapours
nitrogen oxides
fumes/smoke
carbon black
carbon oxides
- Specific extinguishing methods : The degree of risk is governed by the burning substance and the fire conditions.
Containers may rocket or explode in heat of fire.
Keep containers cool by spraying with water if exposed to fire.
Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.
Contaminated extinguishing water must be disposed of in accordance with official regulations.
- Special protective equipment for fire-fighters : Wear a self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective clothing.
Avoid prolonged inhalation.
Avoid contact with the skin, eyes and clothing.
Avoid all sources of ignition: heat, sparks, open flame.
- Environmental precautions : Prevent spread over a wide area (e.g. by containment or oil barriers).
Contain contaminated water/firefighting water.
Do not discharge into drains/surface waters/groundwater.
- Methods and materials for containment and cleaning up : Pick up with suitable appliance and dispose of.
Dispose of absorbed material in accordance with regulations.

SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Sources of ignition should be kept well clear.
Take precautionary measures against static discharges.
Substance/product can form explosive mixture with air.
Vapours are heavier than air and may accumulate in low areas and travel a considerable distance up to the source of igni-

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- tion.
- Advice on safe handling : Take precautionary measures against static discharges.
Keep away from sources of ignition - No smoking.
Provide good room ventilation even at ground level (vapours are heavier than air).
- Hygiene measures : When using, do not eat, drink or smoke.
Hands and/or face should be washed before breaks and at the end of the shift.
At the end of the shift the skin should be cleaned and skin-care agents applied.
Gloves must be inspected regularly and prior to each use.
Replace if necessary (e.g. pinhole leaks).
- Further information on storage conditions : Keep container tightly closed and in a well-ventilated place.
Keep away from heat.
Avoid all sources of ignition: heat, sparks, open flame.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
turpentine oil	8006-64-2	TWA	100 ppm 557 mg/m ³	AU OEL
Further information: Sensitiser				
		TWA value	20 ppm	ACGIHTLV
		TWA value	100 ppm 557 mg/m ³	AU NOEL
		TWA value	100 ppm 557 mg/m ³	OEL (AU)
		TWA	20 ppm	ACGIH

Personal protective equipment

- Respiratory protection : Respiratory protection in case of vapour/aerosol release.
Suitable respiratory protection for higher concentrations or long-term effect:
Gas filter for gases/vapours of organic compounds (boiling point <65 °C, f.e. EN 14387 Type AX)

Hand protection

- Remarks : Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) etc. Manufacturer's directions for use should be observed because of great diversity of types.

- Eye protection : Tightly fitting safety goggles (splash goggles) (e.g. EN 166)

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Skin and body protection	: Body protection must be chosen based on level of activity and exposure. Antistatic apron
Protective measures	: Avoid inhalation of dusts/mists/vapours. Avoid contact with the skin, eyes and clothing. Avoid prolonged and/or repeated contact with the skin. Handle in accordance with good building materials hygiene and safety practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: liquid
Color	: colourless to yellowish
Odor	: characteristic
pH	: Not applicable
boiling temperature	: > 149 °C
Flash point	: approx. 35 °C
Flammability (solid, gas)	: Flammable.
Upper explosion limit / Upper flammability limit	: approx. 7,5 %(V)
Lower explosion limit / Lower flammability limit	: approx. 1 %(V)
Vapor pressure	: No data available
Density	: approx. 0,8 g/cm ³ (20 °C)
Bulk density	: Not applicable
Solubility(ies) Water solubility	: insoluble (20 °C)
Autoignition temperature	: No data available
Decomposition temperature	: Vapors may form explosive mixture with air. No decomposition if stored and handled as prescribed/indicated.

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Explosive properties : Not explosive
Not explosive

Oxidizing properties : not fire-propagating

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No hazardous reactions if stored and handled as prescribed/indicated.

Chemical stability : The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions : No hazardous reactions if stored and handled as prescribed/indicated.

Conditions to avoid : Avoid heat.
Avoid open flames.
Avoid sources of ignition.

Incompatible materials : Strong oxidizing agents

Hazardous decomposition products : No hazardous decomposition products if stored and handled as prescribed/indicated.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Harmful if swallowed, in contact with skin or if inhaled.

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitization

Skin sensitization

May cause an allergic skin reaction.

Respiratory sensitization

Not classified based on available information.

Chronic toxicity

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

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Reproductive toxicity

Not classified based on available information.

STOT-single exposure

Not classified based on available information.

STOT-repeated exposure

Not classified based on available information.

Aspiration toxicity

May be fatal if swallowed and enters airways.

Product:

May also damage the lung at swallowing (aspiration hazard).

Further information**Product:**

Remarks : The product has not been tested. The statement has been derived from the properties of the individual components.

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Product:****Ecotoxicology Assessment**

Acute aquatic toxicity : Toxic to aquatic life.

Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects**Product:**

Additional ecological information : Do not discharge product into the environment without control. The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components.

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SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

- | | | |
|------------------------|---|---|
| Waste from residues | : | Observe national and local legal requirements.
The waste code in accordance with the European waste catalog (EWC) must be specified in cooperation with disposal agency/manufacturer/authorities.
Residues should be disposed of in the same manner as the substance/product. |
| Contaminated packaging | : | Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned. |

SECTION 14. TRANSPORT INFORMATION**International Regulations****IATA-DGR**

- | | | |
|--|---|--|
| UN/ID No. | : | UN 1993 |
| Proper shipping name | : | Flammable liquid, n.o.s.
(HYDROCARBONS) |
| Class | : | 3 |
| Packing group | : | III |
| Labels | : | Flammable Liquids |
| Packing instruction (cargo aircraft) | : | 366 |
| Packing instruction (passenger aircraft) | : | 355 |

IMDG-Code

- | | | |
|----------------------|---|--|
| UN number | : | UN 1993 |
| Proper shipping name | : | FLAMMABLE LIQUID, N.O.S.
(HYDROCARBONS) |
| Class | : | 3 |
| Packing group | : | III |
| Labels | : | 3 |
| EmS Code | : | F-E, <u>S-E</u> |
| Marine pollutant | : | no |

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Domestic regulation**ASIA_ROAD**

- | | | |
|----------------------|---|--|
| UN number | : | UN 1993 |
| Proper shipping name | : | FLAMMABLE LIQUID, N.O.S.
(HYDROCARBONS) |
| Class | : | 3 |
| Packing group | : | III |
| Labels | : | 3 |
| Hazchem Code | : | •3Y |

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SECTION 15. REGULATORY INFORMATION**Safety, health and environmental regulations/legislation specific for the substance or mixture**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP): Schedule 5

The ingredients of this product are reported in the following inventories:

AIIC : On the inventory, or in compliance with the inventory

SECTION 16. OTHER INFORMATION

Revision Date : 08.02.2023

Date format : dd.mm.yyyy

Full text of other abbreviations

ACGIH	: USA. ACGIH Threshold Limit Values (TLV)
ACGIHTLV	: American Conference of Governmental Industrial Hygienists - threshold limit values (US)
AU NOEL	: National Workplace OELs, Workplace Exposure Standards for Airborne Contaminants (Australia)
AU OEL	: Australia. Workplace Exposure Standards for Airborne Contaminants.
OEL (AU)	: Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment (Australia)
ACGIH / TWA	: 8-hour, time-weighted average
ACGIHTLV / TWA value	: Time Weighted Average (TWA):
AU NOEL / TWA value	: Time Weighted Average (TWA):
AU OEL / TWA	: Exposure standard - time weighted average
OEL (AU) / TWA value	: Time Weighted Average (TWA):

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECl - Korea Existing Chemicals Inventory; LC50 - Lethal Con-

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centration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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