



## SAFETY DATA SHEET

According to  
HSNO Hazardous Substances (Safety Data Sheets) Notice 2017

**Section 1. Identification of the material and the supplier**

Product:	<b>Mega Guard</b>
Item Code:	
Product Use:	Protective Impregnation
Restriction of Use:	Refer to Section 15
 New Zealand Supplier:	 Mega Diamond Tools Ltd
Address:	Unit F, 7 Henry Rose Place Albany Auckland, 0632
 Telephone:	 <b>0800 BUY MEGA</b>
 Emergency Telephone:	 <b>0800 764 766 (National Poison Centre)</b>
 Date of SDS Preparation:	 23 May 2023 v2

**Section 2. Hazards Identification**

**This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2020**

**EPA Approval No:** Surface Coatings and Colourants (Flammable, Carcinogenic) – HSR002669

**Pictograms:**



Signal Word: **DANGER**

GHS Classification and Category	Hazard Code	Hazard Statement
Flammable Liquids Cat. 3	H226	Flammable liquid and vapour.
Aspiration hazard Cat. 1	H304	May be fatal if swallowed and enters airways.
Skin sensitisation Cat. 1	H317	May cause an allergic skin reaction.
Germ cell mutagenicity Cat. 2	H341	Suspected of causing genetic defects.
Carcinogenicity Cat. 2	H351	Suspected of causing cancer.
Effects on or via lactation	H362	May cause harm to breast-fed children.
specific target organ toxicity - single exposure Cat 3 - Narcotic Effects	H336	May cause drowsiness or dizziness.
Serious eye damage Cat. 1	H318	Causes serious eye damage.
Hazardous to the aquatic environment	H411	Toxic to aquatic life with long lasting

chronic Cat. 2		effects.
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Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read carefully and follow all instructions.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe fumes, mist, or spray.
P263	Avoid contact during pregnancy/while nursing.
P264	Wash exposed skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P281	Use personal protective equipment as required.

Response Code	Response Statement
P101	If medical advice is needed, have product container or label at hand.
P310	Immediately call a POISON CENTER or doctor/physician.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P331	Do NOT induce vomiting.
P363	Wash contaminated clothing before reuse.
P391	Collect spillage.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P303 + P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305 + P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313	IF exposed or concerned: Get medical advice/ attention.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P370 + P378	In case of fire: Use foam or dry powder for extinction.

Storage Code	Storage Statement
P405	Store locked up.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.

Disposal Code	Disposal Statement
P501	Dispose of according to Local Regulations or Authorities

### Section 3. Composition / Information on Ingredients

Ingredients	Wt%	CAS NUMBER.
Hydrocarbons, C4- 1,3-Butadiene-free, polymerised, Triisobutyl Infracation, hydrogenated	25-50	93685-81-5
Hydrocarbons C10-C12, Isoalkane <2% Aromatic compounds	25-50	EC 923-037-2
Naphtha (petroleum), heavy alkylate	< 12.5	64741-65-7
Alkanes C11-C15, iso	1-5	90622-58-5

## Section 4. First Aid Measures

Routes of Exposure:

If in Eyes	Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
If on Skin	Wash with plenty of soap and water. Take off contaminated clothing and wash before re-use. If skin irritation or rash occurs: Get medical advice/attention.
If Swallowed	Rinse mouth. Do NOT induce vomiting. Never give anything to the mouth of an unconscious person. If vomiting occurs, place victim face downwards, with the head turned to the side and lower than the hips to prevent vomit entering the lungs. Immediately call a POISON CENTER or doctor/physician.
If Inhaled	Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Get medical advice if breathing becomes difficult.

### Most important symptoms and effects, both acute and delayed

Symptoms:

<b>Ingestion:</b>	May be fatal if swallowed and enters airways.
<b>Inhalation:</b>	May cause respiratory irritation.
<b>Skin:</b>	Causes mild skin irritation. May cause an allergic skin reaction.
<b>Eye:</b>	Causes serious eye damage.
<b>Chronic:</b>	Suspected of causing genetic defects Suspected of causing cancer May cause harm to breast-fed children. May cause drowsiness or dizziness.

## Section 5. Fire Fighting Measures

<b>Hazard Type</b>	Flammable liquid and vapour.
<b>Hazards from combustion products</b>	Formation of toxic gases is possible during heating or in case of fire. In case of fire, the following can be released: Carbon monoxide (CO) Under certain fire conditions, traces of other toxic gases cannot be excluded.
<b>Suitable Extinguishing media</b>	Water fog, Alcohol foam, carbon dioxide or dry chemical. Fight larger fires with Alcohol foam or water spray Avoid Water jet.
<b>Precautions for firefighters and special protective clothing</b>	Wear self-contained respiratory protective device. Do not inhale explosion gases or combustion gases. Wear fully protective suit.
<b>HAZCHEM CODE</b>	<b>3Y</b>

## Section 6. Accidental Release Measures

Wear protective equipment as detailed in Section 8. Clear area of any unprotected personnel. Individuals without adequate PPE shall be removed from work area. Ensure adequate ventilation Use respiratory protective device against the effects of fumes/dust/aerosol. Keep away from ignition sources.

Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water.

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
 Dispose of contaminated material as waste according to item 13.

## Section 7. Handling and Storage

### Precautions for Handling:

- Keep out of reach of children.
- Read carefully and follow all instructions.
- Do not handle until all safety precautions have been read and understood.
- Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- Keep container tightly closed.
- Ground/bond container and receiving equipment.
- Use explosion-proof electrical/ventilating/lighting, Use only non-sparking tools.
- Take precautionary measures against static discharge.
- Do not breathe fumes, mist, or spray.
- Avoid contact during pregnancy/while nursing.
- Wash exposed skin thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Use only outdoors or in a well-ventilated area.
- Contaminated work clothing should not be allowed out of the workplace.
- Avoid release to the environment.
- Wear protective gloves/protective clothing/eye protection/face protection.

### Precautions for Storage:

- Store away from incompatible materials listed in Section 10.
- Store locked up.
- Store in a cool, well-ventilated place. Keep container tightly closed.
- Store in original receptacle.
- Prevent seepage into ground.
- Store away from foodstuffs.

## Section 8 Exposure Controls / Personal Protection

### WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>

No exposure standards exist for ingredients

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices APRIL 2022 13TH EDITION.

### Engineering Controls

Ensure adequate ventilation is available.

### Personal Protection Equipment:



<b>Eyes</b>	Wear safety goggles. Avoid wearing contact lenses.
<b>Hands and Skin</b>	Fluorocarbon rubber gloves are preferred, but Nitrile rubber and butyl rubber gloves can be used for splash protection. Do not use natural rubber. Wear protective clothing and shoes.
<b>Respiratory</b>	A Type AX filter respirator should be used. Use a self-contained respirator in any intensive or long exposure usage.

<b>General</b>	The usual precautionary measures are to be adhered to when handling chemicals. Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work. Immediately remove all soiled and contaminated clothing. Avoid contact with the eyes and skin. Do not eat, drink, smoke or sniff while working. Apply solvent resistant skin cream before starting work. Use skin protection cream for skin protection. Clean skin thoroughly immediately after handling the product.
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<b>Section 9</b>	<b>Physical and Chemical Properties</b>
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<b>Appearance</b>	Colourless liquid
<b>Odour</b>	Characteristic
<b>Odour Threshold</b>	Not available
<b>pH</b>	Not applicable
<b>Boiling Point</b>	180°C
<b>Melting Point</b>	Not available
<b>Freezing Point</b>	Not available
<b>Flash Point</b>	41°C
<b>Flammability</b>	Flammable
<b>Upper and Lower Explosive Limits</b>	0.6% Vol 7.0% Vol
<b>Vapour Pressure</b>	1 hPa
<b>Vapour Density</b>	Not available
<b>Relative Density</b>	0.77 g/cm <sup>3</sup>
<b>Solubilities</b>	Immiscible in water
<b>Partition Coefficient:</b>	Not available
<b>Auto-ignition Temperature</b>	354°C
<b>Decomposition Temperature</b>	Not available
<b>Kinematic Viscosity</b>	11 s (DIN 53211/4)
<b>Particle Characteristics</b>	Not applicable

<b>Section 10. Stability and Reactivity</b>
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<b>Stability of Substance</b>	This product is stable under normal conditions.
<b>Conditions to Avoid</b>	Extreme temperatures.
<b>Incompatible Materials</b>	Strong acids and bases, oxidizers. Flammable gases.
<b>Hazardous Decomposition Products</b>	Formation of toxic gases is possible during heating or in case of fire. In case of fire, the following can be released: Carbon monoxide (CO). Under certain fire conditions, traces of other toxic gases cannot be excluded.

<b>Section 11</b>	<b>Toxicological Information</b>
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**Acute Effects:**

<b>Swallowed</b>	Not applicable.
<b>Dermal</b>	Not applicable.
<b>Inhalation</b>	Not applicable.
<b>Eye</b>	Causes serious eye damage
<b>Skin</b>	May cause an allergic skin reaction.

**Chronic Effects:**

<b>Carcinogenicity</b>	Suspected of causing cancer.
<b>Reproductive Toxicity</b>	May cause harm to breast-fed children.
<b>Germ Cell</b>	May cause genetic defects.

<b>Mutagenicity</b>	
<b>Aspiration</b>	May be fatal if swallowed and enters airways.
<b>STOT/SE</b>	Not applicable.
<b>STOT/RE</b>	May cause drowsiness or dizziness.

### Individual component information:

#### Acute Toxicity:

Chemical Name	Oral – LD50	Dermal – LD50	Inhalation – LC50
Naphtha (petroleum), heavy alkylate (64741-65-7)	> 6000 mg/kg (rat)	> 3000 mg/kg (rabbit)	> 7.8 mg/l/4h (rat)

## Section 12. Ecotoxicological Information

Toxic to aquatic life with long lasting effects.  
Avoid release into the environment.

<b>Persistence and degradability</b>	No data available
<b>Bioaccumulation</b>	No data available
<b>Mobility in Soil</b>	No data available
<b>Other adverse effects</b>	No data available

## Section 13. Disposal Considerations

**Disposal Method:** Empty contaminated packaging thoroughly. They may be recycled after thorough and proper cleaning.

**Precautions:** Avoid release into the environment.

**Disposal methods to avoid:** Must not be disposed of together with household garbage. Comply with local/national waste disposal regulations. Do not dispose into local sewer or waterways.

## Section 14 Transport Information

This product is classified as a **Dangerous Good for transport in NZ ; NZS 5433:2020**



### Road, Rail, Sea and Air Transport

<b>UN No</b>	1993
<b>Class - Primary</b>	3
<b>Packing Group</b>	III
<b>Proper Shipping Name</b>	FLAMMABLE LIQUID, N.O.S.
<b>Marine Pollutant</b>	Yes
<b>Special Provisions</b>	If the product's individual container is below 5L/kg, it can be transported as a non-DG as long as the product packaging is still labelled as per DG requirements and the driver is given safety information in accordance with Chapter 3.4 of the UNRTDG.

## Section 15 Regulatory Information

This substance is hazardous according to the **EPA Hazardous Substances (Classification) Notice 2020**

**EPA Approval No:** Surface Coatings and Colourants (Flammable, Carcinogenic) – HSR002669

Trigger quantities for this substance:

HSW (HS) Regulations 2017 and EPA Notices	Trigger Quantity
Certified Handler	Not required.
Location Certificate	500L (>5L), 1500L (<5L); 250L open
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	1000 L
Emergency Response Plan	1000 L
Secondary Containment	1000 L
Restriction of Use	Use in Concrete

## Section 16 Other Information

### Glossary

Cat	Category
EC <sub>50</sub>	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC <sub>50</sub>	Lethal concentration that will kill 50% of the test organisms
inhaling or ingesting it.	
LD <sub>50</sub>	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible
authority.	
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

### References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices April 2022 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2020
5. HSW (Hazardous Substances) Regulations 2017

### Disclaimer

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Please contact the New Zealand distributor, if further information is required.

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