



W2 FLEXI GUARD

MATERIAL SAFETY DATA SHEET

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Section 1: Substance/preparation and company identification

Company: Warrior Pte Ltd
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Section 2: Composition/information on ingredients

HS CODE: 3823.40.00000

NAME	CAS RN	%
polymeric dispersion		30-65
Biocide		<1
Surfactant		<3
Water	7732-18-5	35-70

Section 3: Physical and chemical properties

- State: Liquid
- Solubility in Water (g/L): Miscible
- Boiling Point (°C): No data available
- Melting Range (°C): No data available
- Pressure (kPa): No data available
- Relative Density (air=1): No data available
- Specific Gravity (water=1): 1.0-1.1
- Flash Point (°C): No data available
- Auto Ignition Temperature (°C): No data available
- Lower Explosive Limit (%): No data available
- Upper Explosive Limit (%): No data available
- pH (1% solution): No data available
- pH (as supplied): 3.0-9.0
- Volatile component (%vol): No data available
- Evaporation rate: No data available
- Viscosity: No data available

Appearance

White viscous flow-able emulsion; mixes with water.

Section 4: Hazard identification





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Section 4: Hazard Identification

Swallowed

- The material has NOT been classified by EC Directives or other classification systems as "harmful by ingestion". This is because of the lack of corroborating animal or human evidence.

Eye

- Although the liquid is not thought to be an irritant (as classified by EC Directives), direct contact with the eye may produce transient discomfort characterized by tearing or conjunctiva redness (as with windburn).

Skin

- The material is not thought to produce adverse health effects or skin irritation following contact (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable gloves be used in an occupational setting.

Inhaled

- The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting.
- Not normally a hazard due to non-volatile nature of product.

Section 5: First Aid Measures

Swallowed

- Immediately give a glass of water.
- First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

Eye

If this product comes in contact with eyes:

- Wash out immediately with water.
- If irritation continues, seek medical attention.
- Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

Skin

If skin or hair contact occurs:

- Flush skin and hair with running water (and soap if available). Seek medical attention in event of irritation.

Inhaled

- If fumes, aerosols or combustion products are inhaled remove from contaminated area.
- Other measures are usually unnecessary.

Advice to Doctor

- Treat symptomatically.



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Section 6: Fire fighting measures

Extinguishing Media

- There is no restriction on the type of extinguisher which may be used.
- Use extinguishing media suitable for surrounding area.

Fire fighting

- Alert Fire Brigade and tell them location and nature of hazard.
- Wear breathing apparatus plus protective gloves for fire only.
- Prevent, by any means available, spillage from entering drains or water courses.
- Use fire fighting procedures suitable for surrounding area.

Fire/ explosion hazard

- Non combustible.
- Not considered a significant fire risk. However, containers may burn.

Fire incompatibility

- None known.

Section 7: Accidental release measures

Spills and Disposal:

- Absorb with dry agent.
- Stop leak if safe to do so.

Minor spills

- Clean up all spills immediately.
- Avoid breathing vapours and contact with skin and eyes.
- Control personal contact by using protective equipment.
- Contain and absorb spill with sand, earth, inert material or vermiculite.

Major spills

Minor hazard.

- Clear area of personnel.
- Alert Fire Brigade and tell them location and nature of hazard.
- Control personal contact by using protective equipment as required.
- Prevent spillage from entering drains or water ways

Section 8: Handling and storage

Store in cool, dry and protected area.

Suitable container

- Polyethylene or polypropylene container.
- Packing as recommended by manufacturer.
- Check all containers are clearly labeled and free from leaks.

Storage incompatibility

- Avoid contamination of water, foodstuffs, feed or seed.



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Storage requirements

- Store in original containers.
- Keep containers securely sealed.
- Store in a cool, dry and well-ventilated area.
- Store away from incompatible materials and foodstuff containers.

Transportation No restrictions.

HS Code: 3906 90 2000

Section 9: Exposure controls and personal protection

EXPOSURE CONTROLS

The following materials had no OELs on our records

- water: CAS:7732- 18- 5

Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection.

The basic types of engineering controls are:

- Process controls which involve changing the way a job activity or process is done to reduce the risk.
- Enclosure and/or isolation of emission source which keeps a selected hazard "physically" away from the worker and ventilation that strategically "adds" and "removes" air in the work environment.

Engineering Controls:

- General Exhaust Ventilation adequate.

Eye

- Safety glasses with side shields
- Chemical goggles.
- Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lens or restrictions on use, should be created for each workplace or task. This should include a review of lens absorption and adsorption for the class of chemicals in use and an account of injury experience. Medical and first-aid personnel should be trained in their removal and suitable equipment should be readily available. In the event of chemical exposure, begin eye irrigation immediately and remove contact lens as soon as practicable. Lens should be removed at the first signs of eye redness or irritation - lens should be removed in a clean environment only after workers have washed hands thoroughly. [CDC NIOSH Current Intelligence Bulletin 59], [AS/NZS 1336 or national equivalent].

Other

No special equipment needed when handling small quantities. OTHERWISE:

- Overalls.
- Barrier cream.
- Eyewash unit.



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Hands/Feet

- Wear general protective gloves, eg. light weight rubber gloves.

Suitability and durability of glove type is dependent on usage. Important factors in the selection of gloves include:

- frequency and duration of contact,
- chemical resistance of glove material,
- glove thickness and
- dexterity.

Section 10: Stability

Product is considered stable and hazardous polymerization will not occur. **(For incompatible materials, refer to Section 8 - Handling and Storage.)**

Section 11: Toxicological information

Toxicity and irritation

Water:

- No significant acute toxicological data identified in literature search.

Section 12: Ecological information

No data

Ecotoxicity

Ingredient	Persistence: Water/Soil	Persistence: Air
W2 FLEXI GUARD	No data available	No data available

Section 13: Disposal information

- Absorb with dry agent.
- Stop leak if safe to do so.

Legislation addressing waste disposal requirements may differ by country, state and/ or territory. Each user must refer to laws operating in their area.

A Hierarchy of Controls seems to be common - the user should investigate:

- Reduction.
- DO NOT allow wash water from cleaning or process equipment to enter drains.
- It may be necessary to collect all wash water for treatment before disposal.
- In all cases disposal to sewer may be subject to local laws and regulations and these should be considered first.
- When in doubt, contact the responsible authority.
- Recycle wherever possible.



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- Consult manufacturer for recycling options or consult local or regional waste management authority for disposal if no suitable treatment or disposal facility can be identified.
- Dispose of by: burial in a land-fill specifically licensed to accept chemical and / or pharmaceutical wastes or incineration in a licensed apparatus (after admixture with suitable combustible material).
- Decontaminate empty containers. Observe all label safeguards until containers are cleaned and destroyed.

Section 14: Transportation information

Hazard Name: None

UN/NA Number: None

Packing Class: None

Labels Required

International Transport Regulations

IMO: None

IMDG Page Number: None

NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS: IATA, IMDG

Section 15: Regulatory information

Risk

- None under normal operating conditions.

Safety

Safety Codes

Safety Phrases

Regulations

Regulations for ingredients

water (CAS: 7732-18-5) is found on the following regulatory lists;

"IMO IBC Code Chapter 18: List of products to which the Code does not apply", "International Fragrance Association (IFRA) Survey:

Transparency List", "OECD List of High Production Volume (HPV) Chemicals", "SPAR National List of Candidates for Substitution – Norway"

Section 16: Other information

- Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references. A list of reference resources used to assist the committee may be found at: www.chemwatch.net/references.
- The (M)SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.