



Material Safety Data Sheet (MSDS)

In accordance with GHS directives
Issued 3rd January 2022

1. Identification of the substance/preparation and company

Product description : **FLEXX SHIELD AS01**
Usage/application : Water-based Temporarily Protective Coating
Manufacturer : International Construction Solutions Pte Ltd
229, Mountbatten Road, #01-01 Mountbatten Square,
Singapore 398007.
Contact details :
Email info@ics-consultants.com
Website www.ics-consultants.com

2. Hazard identification

Non-hazardous. No labelling required.

3. Composition/information on ingredients

This substance/preparation composition:

No	Ingredient	CAS Number	Composition (%)
1	Acrylic copolymer	Proprietary blend	42±3
2	Water	7732-18-5	50±3
3	Propane-1,2-diol	57-55-6	2±1
4	Additives	Proprietary blend	6±2

4. First aid measures

General information : Take off all contaminated clothing immediately.
Upon inhalation : Remove the patient into fresh air and seek medical assistance if there is breathing difficulty.
Upon skin contact : In case of contact with skin, clean with soap and water.
Upon eyes contact : Rinse the affected eye with plenty of water with eyelids open and consult eye specialist.
Upon ingestion : If swallowed do not induce vomiting, drink plenty of water and seek medical advice.





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5. Firefighting measures

Fire extinguishing media	Water spray, CO ₂ , foam and dry powder.
Unsuitable extinguishing media	Not determined.
Cleaning in case of spill	Pick up with absorbent material and fill into a closed container.
Further information	Fire residues and contaminated firefighting water must be disposed of in accordance with local regulations.

6. Accidental release measures

Personal precautions	Use necessary protective equipment during work.
Environmental precautions	Do not allow entry to drain, water source or soil.
Method of cleaning	Absorb and pick up with absorbent material (eg. sand, sawdust and etc).
Additional information	For further disposal measures, see chapter 13.

7. Handling and storage

Safe handling advice	When used and handled appropriately, no special measures are needed.
Fire and explosion protection	No special measures against fire or explosion are required. Product not ignitable under normal condition. Avoid contact strong oxidizing agent.
Storage conditions	Store product in cool and dry place. Avoid direct sunlight.
Product stability	Stable.

8. Exposure controls/personal protection

Hygiene measures	Do not eat, drink or smoke at workplace. Wash hands before breaks and after work. Keep food and drink away from work area.
Respiratory protection	Avoid vapor inhalation. Use combination filter if unavoidable.
Hand protection	Wear suitable gloves and avoid skin contact with the wetted surfaces of the protective gloves.
Eye protection	Wear safety glasses with side protection shield.
Body protection	Wear protective clothing.





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9. Physical and chemical properties

Physical stage	Thixotropic liquid
Colour	Blue
Odour	Characteristic, ester like odour
Melting point	Not determined
Boiling point	>100°C
Flash point	>100°C
Auto-ignition temperature	Not determined
Flammability	Not self-ignite, non-flammable
Lower explosion limit	Not determined
Upper explosion limit	Not determined
Vapor pressure	Not determined
Density	1.10±0.05 Kg/L
Water solubility	Miscible
pH value	7.5±1
Viscosity	100±10 KU @ 25°C
Further information	Not determined

10. Stability and reactivity

Thermal decomposition	No thermal decomposition when stored and handled correctly and adequately.
Hazardous reaction	No dangerous and hazardous reaction when used as directed.
Hazardous decomposition product	Not applicable.
For avoidable conditions	Avoid excessive heat.
For avoidable materials	Avoid contact with strong oxidizing agent.



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11. Toxicology information

Acute oral toxicity	Not determined
Acute inhalation toxicity	Not determined
Acute dermal toxicity	Not determined
Skin irritancy	Not determined
Eye irritancy	Not determined
Skin sensitization	Not determined
Repeated dose toxicity	Not determined
Mutagenicity	Not determined
Teratogenicity	Not determined
Carcinogenicity	Not determined

12. Ecological information

Biodegradability	Not determined
Fish toxicity	Not determined

13. Disposal considerations

Product recyclability	If utilization or recycling of the product is not possible, it should be disposed off according to the local regulations and laws.
Container recyclability	Product container should not be used for recycling. Dispose off according to local regulations and laws.

14. Transport information

ADR	Non dangerous goods
ADNR	Non dangerous goods
RID	Non dangerous goods
IMDG	Non dangerous goods
IATA-C	Non dangerous goods
IATA-P	Non dangerous goods
Other information	HS Code: 3209.90.0000



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15. Regulatory information

No labelling is required.

16. Other information

The information given herein is based on our present state of knowledge and experience. The purpose of this Safety Data Sheet (SDS) is to describe the product in view of their safety requirement. It does not imply any guarantee in terms of its composition, properties and performances.

