SAFETY DATA SHEET

INTERZONE 954 BASE ULTRA DEEP PART A

Infosafe No.: HYEBF
ISSUED Date : 10/11/2020
ISSUED by: Akzo Nobel Pty Ltd.

1. Identification

GHS Product Identifier
INTERZONE 954 BASE ULTRA DEEP PART A

Product Code
EAA904

Company name
Akzo Nobel Pty Ltd.

Address
51 Mc Intyre Road Sunshine North
VIC 3020 AUSTRALIA

Telephone/Fax Number
Tel: (03) 9313 4555
Fax: (03) 9311 9141

Emergency phone number
Emergency telephone number (24 hour) 1800 680 071 For Poisons Advice telephone 131 126 To provide telephone consultation to medical professionals and the general public in cases of acute and chronic poisonings - 24 hours a day

Recommended use of the chemical and restrictions on use
Intended use: Refer Technical Data Sheet.
For professional use only.
This product is intended for use in the
Marine and Protective Coatings markets.

Application Method: Refer Technical Data Sheet.
Apply by brush and roller for small areas.
Airless spray for large areas.

2. Hazard Identification

GHS classification of the substance/mixture
Eye Damage/Irritation: Category 2A
Flammable Liquids: Category 3
Hazardous to the Aquatic Environment - Long-Term Hazard: Category 2
Sensitization - Skin: Category 1
Skin Corrosion/Irritation: Category 2

Signal Word (s)
WARNING

Hazard Statement (s)
H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statement – General
Not Applicable

Pictogram (s)
Flame,Exclamation mark,Environment

Precautionary statement – Prevention
P210 Keep away from heat / sparks / open flames / hot surfaces - No smoking.
P235 Keep cool.
P240 Ground / bond container and receiving equipment.
P241 Use explosion-proof electrical / ventilating / light / equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P261 Avoid breathing dust / fume / gas / mist / vapours / spray.
P264 Wash thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves / eye protection / face protection.

Precautionary statement – Response
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.
P321 Specific treatment (see information on this label).
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P337 If eye irritation persists:
P362 Take off contaminated clothing and wash before reuse.
P363 Wash contaminated clothing before reuse.
P391 Collect spillage.
P370+P378 In case of fire: Use (alcohol resistant foam, CO_2, powder, water spray for extinction. Do not use water jet) for extinction.

Precautionary statement – Storage
P403+P233 Store in a well-ventilated place. Keep container tightly closed.

Precautionary statement – Disposal
P501 Dispose of contents / container in accordance with local / national regulations.

Other Information
Hazardous according to criteria of Australian WHS Regulations.
Classified as a Dangerous Good for transport according to the latest ADG code.

Classification of the substance or mixture:
Flam. Liq. 3;H226 Flammable liquid and vapour.
Skin Irrit. 2;H315 Causes skin irritation.
Eye Irrit. 2;H319 Causes serious eye irritation.
Skin Sens. 1;H317 May cause an allergic skin reaction.
Aquatic Chronic 2;H411 Toxic to aquatic life with long lasting effects.

Label elements:
Using the Toxicity Data listed in section 11 & 12 the product is labelled as follows.

Other hazards:
This product contains no PBT/vPvB chemicals.

3. Composition/information on ingredients

Ingredients

Name	CAS	Proportion
Epoxy resin	0025068-38-6	25-<50 Wt%
Xylene	0001330-20-7	2.5-<10 Wt%
3-Glycidyloxypropyl-trimethoxysilane	0002530-83-8	1-<2.5 Wt%
Ethyl Benzene	0000100-41-4	1-<2.5 Wt%

Other Information
This product contains the following substances that are classified hazardous according to the Australian WHS Hazardous Substances regulations:

Ingredient/Chemical Designations:Epoxy Resin
GHS Classification:
Eye Irrit. 2;H319
Skin Irrit. 2;H315
Skin Sens. 1;H317
Aquatic Chronic 2;H411
Notes: [1]

Ingredient/Chemical Designations:Xylenevv
GHS Classification:
Flam. Liq. 3;H226
Acute Tox. 4;H332
Acute Tox. 4;H312
Skin Irrit. 2;H315
Notes: [1][2]

Ingredient/Chemical Designations:Ethyl Benzene
GHS Classification:
Flam. Liq. 2;H225
Acute Tox. 4;H332
STOT RE 2;H373
Asp. Tox. 1;H304
Skin Irrit. 2;H315
Eye Irrit. 2;H319
STOT SE 3;H335
Aquatic Chronic 3, H412
Notes: [1][2]

Ingredient/Chemical Designations:3-Glycidyloxypropyl-trimethoxysilane
GHS Classification:
Eye Dam. 1;H318
Notes: [1]

[1] Substance classified with a health or environmental hazard.
[2] Substance with a workplace exposure limit.
[3] PBT-substance or vPvB-substance.

*The full texts of the Hazard (H) phrases are shown in Section 16.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence do not require reporting in this section.

4. First-aid measures

First Aid Measures
General:
In all cases of doubt, or when symptoms persist, seek medical attention.
Never give anything by mouth to an unconscious person.

Inhalation
Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

Ingestion
If accidentally swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

Skin
Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognised skin cleanser. Do NOT use solvents or thinners.

Eye contact
Irrigate copiously with clean fresh water for at least 10 minutes, holding the eyelids apart and seek medical attention.

Indication of immediate medical attention and special treatment needed if necessary
No data available

Most important symptoms/effects, acute and delayed
No data available

5. Fire-fighting measures

Suitable Extinguishing Media
Alcohol resistant foam, CO2, powder, water spray.

Note; Fire will produce dense black smoke. Decomposition products may be hazardous to health. Avoid exposure and use breathing apparatus as appropriate.

Cool closed containers exposed to fire by spraying them with water. Do not allow run off water and contaminants from fire fighting to enter drains or water courses.

Unsuitable Extinguishing Media
Water jet.

Specific Methods
Cool closed containers exposed to fire by spraying them with water. Do not allow run off water and contaminants from fire fighting to enter drains or water courses.

Specific Hazards Arising From The Chemical
Fire will produce dense black smoke. Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.
Avoid exposure and use breathing apparatus as appropriate.

Hazchem Code
•3Y

Decomposition Temperature
Not Measured

6. Accidental release measures

Methods And Materials For Containment And Cleaning Up
Ventilate the area and avoid breathing vapours. Take the personal protective measures listed in section 8.
Contain and absorb spillage with non-combustible materials e.g. sand, earth, vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations. (See section 13).
Clean, preferably with a detergent. Do not use solvents.
Do not allow spills to enter drains or watercourses.
If drains, sewers, streams or lakes are contaminated, inform the local water company immediately. In the case of contamination of rivers, streams or lakes the Environmental Protection Agency should also be informed.

Personal Precautions
Remove sources of ignition, do not turn lights or unprotected electrical equipment on or off. In case of a major spill or spillage in a confined space evacuate the area and check that solvent vapour levels are below the Lower Explosive Limit before re-entering.

Environmental Precautions
Do not allow spills to enter drains or watercourses.

7. Handling and storage

Precautions for Safe Handling
This product contains solvents. Solvent vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Areas of storage, preparation and application should be ventilated to prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentrations higher than the occupational exposure limits.

In Storage:
Handle containers carefully to prevent damage and spillage.
Naked flames and smoking should not be permitted in storage areas. It is recommended that fork lift trucks and electrical equipment are protected to the appropriate standard.
This product contains solvents. Solvent vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Areas of storage, preparation and application should be ventilated to prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentrations higher than the occupational exposure limits.

Conditions for safe storage, including any incompatibilities
Keep away from the following materials: oxidising agents, strong alkalis, strong acids.
Avoid skin and eye contact. Avoid inhalation of vapours and spray mists. Observe label precautions. Use personal protection as shown in section 8.
Smoking, eating and drinking should be prohibited in all preparation and application areas.
Never use pressure to empty a container; containers are not pressure vessels.
The requirements of AS/NZS1940 (Storage and Handling of Flammable and Combustible Liquids) apply to all products with a Flash Point less than 60.5 °C. Refer to this standard and to State Dangerous Goods Storage and Handling regulations.
There are no exposure scenarios, see details in section 1.

Additional information on precautions for use
Specific end use(s):
Store in a well ventilated, dry place away from sources of heat and direct sunlight.
Store on concrete or other impervious floor, preferably with bunding to contain any spillage. Do not stack more than 3 pallets high.
Keep container tightly closed. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep in the original container or one of the same material.
Prevent unauthorised access.
All sources of ignition (hot surfaces, sparks, open flames etc) should be excluded from areas of preparation and application. All electrical equipment (including torches) should be protected (Ex) to the appropriate standard.
The product may charge electrostatically. Always use earthing leads when pouring solvents and transferring product. Operators should wear clothing which does not generate static (at least 60% natural fibre) and antistatic footwear; floors should be of conducting type.

8. Exposure controls/personal protection

Occupational exposure limit values
Control parameters:
From Australia's Hazardous Substance Information System (HSIS)
For detailed information refer to the HSIS web site (http://hsis.safeworkaustralia.gov.au/).

Material / Short term (15m ave STEL) ppm / Short term (15m ave STEL) mg/m³ / Long term (8hr TWA) ppm / Long term (8hr TWA) mg/m³ / Comments
ppm mg/m³ ppm mg/M3
Barium Sulphate - - - 10 ---
Ethyl Benzene 125 543 100 434 ---
Talc - - - 2.5 ---
Xylene 150 655 80 350 ---

Chemicals classified as hazardous accoring to WHS regulations may have a notification alongside the exposure standard. If such a notification is necessary, it will appear in the far right hand column. The legend is as follows:

(P) Peak exposure limit
(R) Suppliers Recommended Limit
(Sk) There is a risk of absorption through unbroken skin
(Sen) Sensitiser
(Cat1) Category 1 - established human carcinogen
(Cat2) Category 2 - probable human carcinogen
(Cat3) Category 3 - substances suspected of having carcinogenic potential.

DNEL/PNEC values:
No Data Available

Biological Limit Values
There is no biological limit allocated.

Appropriate engineering controls
Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapour below occupational exposure limits suitable respiratory protection must be worn.

Respiratory Protection
In Liquid, Paste or Atomised form (e.g. Spray Application), workers must wear respirators with a filter Type A (Organic vapour) approved in accordance with AS/NZS 1716.
Provision of other controls such as exhaust ventilation should be considered if practical.
If applying large volumes (>100L) and If there is not sufficient ventilation or if there is a confined space, an Air Fed Respirator is strongly recommended.
In Solid or Dust form (e.g. Sanding Cured product) workers must wear a Class P1 Particulate filter mask in accordance with AS/NZS1716. An Air Fed Respirator is strongly recommended.

Eye Protection
Wear safety eyewear, e.g. safety spectacles, goggles or visors to protect against the splash of liquids.
Eyewear should comply with AS/NZS1337.
Wear a full face shield if mixing or pouring operations pose a risk of splashes.
An eye wash station is suggested as a good work place practice.

Thermal Hazards
No Data Available

Body Protection
Gloves of an appropriate material should be worn during mixing and application. Nitrile or PVC gloves are generally recommended for products containing solvents.

Other:
Overalls which cover the body, arms and legs should be worn. Skin should not be exposed. Barrier creams may help to protect areas which are difficult to cover such as the face and neck. They should however not be applied once exposure has occurred. Petroleum jelly based types such as Vaseline should not be used.
All parts of the body should be washed after contact.

9. Physical and chemical properties

Properties	Description	Properties	Description
Form	Liquid	**Colour**	White Liquid
Odour	Smell of Solvent	**Decomposition Temperature**	Not Measured
Boiling Point	108°C	**Solubility in Water**	Immiscible
Specific Gravity	1.66	**pH**	N/A
Vapour Pressure	Not Measured	**Vapour Density (Air=1)**	Heavier than air.
Evaporation Rate	(Ether = 1): Not Measured	**Odour Threshold**	Not Measured
Viscosity	N/A	**Partition Coefficient: n-octanol/water**	(Log Kow): Not Measured
Flash Point	31°C (Closed Cup)	**Flammability**	(solid, gas): Not Applicable
Auto-Ignition Temperature	Not Measured	**Explosion Limit - Upper**	6.6%
Explosion Limit - Lower	1%	**Initial boiling point and boiling range**	108 °C
Melting/Freezing Point	Not Measured		

10. Stability and reactivity

Reactivity
No data available

Chemical Stability
Chemical stability:
Stable under recommended storage and handling conditions (see section 7).

Conditions to avoid:
Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid possible exothermic reactions.

Incompatible materials:
Strong acids, bases, oxidising agents.

Hazardous decomposition products:
When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide, carbon dioxide, oxides of nitrogen and smoke.

Hazardous reactions:
None.

Conditions to Avoid
Stable under recommended storage and handling conditions (see section 7).

Incompatible materials
Keep away from the following materials: oxidising agents, strong alkalis, strong acids.

Hazardous Decomposition Products
Fire will produce dense black smoke. Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.
Avoid exposure and use breathing apparatus as appropriate.

Possibility of hazardous reactions
May react exothermically with: oxidising agents, strong alkalis, strong acids.

11. Toxicological Information

Toxicology Information
Acute toxicity:
Exposure to solvent vapour concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system.
Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.
Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible irreversible damage.
Based on the properties of the epoxy constituents and considering toxicological data on similar preparations this preparation may be an irritant and a skin and respiratory sensitiser. Low molecular weight epoxy constituents are irritating to eyes, mucousmembranes and skin. Repeated skin contact may lead to irritation and sensitisation, possibly with cross-sensitisation to other epoxies.
The preparation has been assessed using the Acute Toxicity Data listed below, and classified for toxicological hazards accordingly. See section 2 for details.

Ingredient / Oral LD50, mg/kg / Skin LD50, mg/kg / Inhalation Vapour LD50, mg/L/4hr / Inhalation Dust/Mist LD50, mg/L/4hr
3-Glycidyloxypropyl-trimethoxysilane - (2530-83-8) 8,030.00, Rat 4,248.00, Rabbit Not Applicable 5.30, Rat
Epoxy Resin - (25068-38-6) 2,000.00, Rat 2,000.00, Rabbit Not Applicable Not Applicable
Ethyl Benzene - (100-41-4) 3,500.00, Rat 15,433.00, Rabbit 17.20, Rat Not Applicable
Xylene - (1330-20-7) 4,299.00, Rat 1,548.00, Rabbit Not Applicable 20.00, Rat

Acute Toxicity - Oral
Category / Hazard
Not Classified Not Applicable

Acute Toxicity - Inhalation
Category / Hazard
Not Classified Not Applicable

Acute Toxicity - Dermal
Category / Hazard
Not Classified Not Applicable

Skin corrosion/irritation
Category / Hazard
2 Causes skin irritation.

Serious eye damage/irritation
Category / Hazard
2 Causes serious eye irritation.

Respiratory sensitisation
Category / Hazard
Not Classified Not Applicable

Skin Sensitisation
Category / Hazard
1 May cause an allergic skin reaction.

Germ cell mutagenicity
Category / Hazard
Not Classified Not Applicable

Carcinogenicity
Category / Hazard
Not Classified Not Applicable

Reproductive Toxicity
Category / Hazard
Not Classified Not Applicable

STOT-single exposure
Category / Hazard
Not Classified Not Applicable

STOT-repeated exposure
Category / Hazard
Not Classified Not Applicable

Aspiration Hazard
Category / Hazard
Not Classified Not Applicable

12. Ecological information

Ecotoxicity
The preparation has been assessed according to the GHS criteria and is classified as dangerous for the environment, using the toxicity data listed below.
There are no data available on the product itself.
The product should not be allowed to enter drains or water courses.

Aquatic Ecotoxicity:
Ingredient / 96 hr LC50 fish, mg/l / 48 hr EC50 crustacea, mg/l / ErC50 algae, mg/l
Epoxy Resin - (25068-38-6) 3.10, Pimephales promelas 1.40, Daphnia magna Not Applicable
Xylene - (1330-20-7) Not Applicable Not Applicable Not Applicable
Ethyl Benzene - (100-41-4) 4.20, Oncorhynchus mykiss 2.93, Daphnia magna 3.60 (96 hr), Pseudokirchneriella subcapitata
3-Glycidyloxypropyl-trimethoxysilane - (2530-83-8) 55.00, Cyprinus carpio 473.00, Daphnia magna 255.00 (72 hr), Scenedesmus subspicatus

Persistence and degradability
There is no data available on the preparation itself.

Mobility
Mobility in soil:
No data available

Bioaccumulative Potential
Not Measured

Other Adverse Effects
No data available

Other Information
Results of PBT and vPvB assessment:
This product contains no PBT/vPvB chemicals.

13. Disposal considerations

Waste Disposal
Do not allow into drains or water courses. Wastes and empty containers should be disposed of in accordance with State and Federal regulations.

Using information provided in this data sheet advice should be obtained from the local Waste Regulation Authority as to whether special waste regulations apply.

14. Transport information

U.N. Number
1263

UN proper shipping name
PAINT

Transport hazard class(es)
3

Packing Group
III

Hazchem Code
•3Y

IERG Number
14

UN Number (Air Transport, ICAO)
1263

IATA/ICAO Proper Shipping Name
PAINTPAINT

IATA/ICAO Hazard Class
3

IATA/ICAO Packing Group
III

IMDG UN No
1263

IMDG Proper Shipping Name
PAINT

IMDG Hazard Class
3

IMDG Pack. Group
III

Special Precautions for User
No further information

Environmental Hazards
Road and Rail Transport (ADG7)
Environmentally Hazardous: Yes

IMDG reference :
Marine Pollutant: Yes (Epoxy Resin)

Other Information
Transport hazard class(es)
Road and Rail Transport (ADG7): UN1263, PAINT, Class 3, PG III, HAZCHEM *3Y

IMDG reference :
Class/Div: 3
Ems: F-E,S-E

ICAO/IATA
Class: 3

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:
Not Applicable

15. Regulatory information

Regulatory information
This product and all its components complies with the chemical and transport regulations from the country listed in section 1.3.
Other regulatory information specific to the hazardous chemical(s):

None noted.

16. Other Information

User Codes

User Title Label	User Codes
Wis Numbers	00003897
Wis Numbers	00327747
Wis Numbers	01088922

Other Information
Version Number: 12

Contact point: Akzo Nobel Pty Ltd. (Sunshine Office), Victoria Australia.
Ask for Regulatory Affairs Advisor
+61 (0)3 9313 4555

The full text of the Hazard (H) phrases appearing in section 2 & 3 are:
H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness and dizziness.
H372 Causes damage to organs through prolonged or repeated exposure.
H373 May cause damage to organs through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.

This SDS has been transcribed into Infosafe GHS format from an original, issued by the manufacturer on the date shown.
Any disclaimer by the manufacturer may not be included in the transcription.

END OF SDS