

SAFETY DATA SHEET

Product: IsoBond Adhesive
Issue Number: 1
Issue Date: Aug 2014

1. Description

Aqueous acrylic emulsion used to bond Isorubber products to substrate.

2. Material Composition

Name	EC No.	Content	CAS No.	Classification
5-Chloro-2-Methyl-2H-Isothiazolin-3-one + 2-Methyl-2H-Isothiazolin-3-one		<0.1	55965-84-9	Xn;R20/21/22. C;R34. R43.
Ammonia%	215-647-6	<1%	1336-21-6	C;R34. Xi;R37.N;R50.
Formaldehyde....%	200-001-8	<0.1	50-00-0	Carc. Cat. 3;R40 T;R23/24/25 C;R34 R43

Hazard Identification

Classification:	Not Classified
Hazard Type:	Fumes and Liquid
Route of Exposure:	Inhalation Ingestion Skin Contact Eye Contact

Risks to Health from Identified Hazards

Not regarded as a health or environment hazard under current legislation.

4. First Aid Measures

In case of contact with eyes:	Carefully rinse eyes with plenty of water. In the event of persistent symptoms seek medical advice.
In case of contact with skin:	Get medical attention if irritation persists after washing.
In case of ingestion:	Do not induce vomiting. Rinse mouth thoroughly. Get medical attention.
In case of inhalation:	Move exposed person to fresh air at once. Get medical attention if irritation persists.

5. Fire-Fighting Measures

Suitable Extinguishing Material:	Aqueous Fire-Fighting Foam Dry Fire-Extinguishing Substance Carbon Dioxide Water
Special Exposure Hazards:	Fire creates irritating gases (Carbon Dioxide and Carbon Monoxide).
Special Protective Equipment:	Use Breathing Apparatus with independent air supply.
Additional Information:	Fire residue and contaminated water to be disposed as per local regulations.

6. Accidental Release Measures

Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Do not contaminate water sources or sewer.

7. Handling & Storage Instructions

Handling

Avoid spilling, skin contact and eye contact.

Storage

Store in tightly closed original container in a dry, cool and well ventilated place.

8. Protection & Exposure Control



Exposure Control Measures

Name	Std	TWA – 8 hrs		STEL – 15min		Notes
5-Chloro-2-Methyl-2H- Isothiazolin-3-one + 2- Methyl-2H-Isothiazolin-3- one	WEL		0.2mg/m ³			
Formaldehyde....%	WEL	2ppm	2.5mg/m ³	2ppm	2.5mg/m ³	

WEL = Workplace Exposure Limit.

If you require any further technical information please contact our Technical Department on 01582 544255.

Personal Protective Equipment

Skin Protection:	Protective gloves should be used if there is a risk of direct contact or splash.
Eye Protection:	Wear splash-proof eye goggles to prevent any possibility of eye contact.
General Protection:	Provide adequate general and local exhaust ventilation.
Hygiene Measures:	Wash hands before breaks and after work.
 	

9. Physical and chemical properties

Appearance: Liquid

Colour: White / off white

Odour: Pleasant, agreeable

Boiling Point (°C): 100 760 mm Hg Relative Density: 1.02 – 1.04 @ 20°C

Viscosity: 160,000-240,000 cps 20

10. Stability and Reactivity

Conditions to avoid

Avoid excessive heat for prolonged periods of time.

Hazardous Decomposition Products

Fire creates: Vapours/gasses/fumes of: Carbon dioxide (CO₂). Carbon monoxide (CO).

11. Toxicological Information

No specific health warnings noted.

12. Ecological Information

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Mobility

The product is partly miscible with water and may spread in the aquatic environment.

Bioaccumulation

No data available on bioaccumulation.

Degradability

If you require any further technical information please contact our Technical Department on 01582 544255.

The product contains inorganic compounds which are not biodegradable. The other components of the product are slowly biodegradable.

13. Disposal of Substances and Contaminated Containers

Dispose of waste and residues in accordance with local authority requirements.

14. Transport Information

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

No Transport warning sign required.

15. Regulatory Information

Risk Phrases

NC Not Classified

Safety Phrases

NC Not Classified

UK Regulatory References

Chemicals (hazard Information and Packaging) Regulations. The Control of Substances Hazardous to Health (COSHH) Regulations 1988.

EU Directives

Dangerous Preparations Directive 1999/45/EC

Statutory Instruments

Control of Substances Hazardous to Health

Approved Code of Practice

Safety Data Sheets for Substances and Preparations.

Guidance Notes

CHIP for everyone HSG(108).

National Regulations

Control of Substances Hazardous to Health Regulations 2002 (as amended)

16. Additional Information

Information Sources

Dangerous Properties of industrial Materials Report, N.Sax et.al.

If you require any further technical information please contact our Technical Department on 01582 544255.

Risk phrases in full

R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R34	Causes burns.
R37	Irritating to respiratory system.
R40	Limited evidence of a carcinogenic effect.
R43	May cause sensitisation by skin contact.
R50	Very toxic to aquatic organisms.

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