

Material Safety Data Sheet

H90 Rapid Cure Hardener

Version 1.1



ATL composites

Section 1: Identification of the Substance or Mixture and of the Supplier

Trade Name : H90 Rapid Cure Hardener
Product Code : H90
Recommended Use : Used in conjunction with epoxy resin for adhesive and composite applications
Company : ATL Composites
Address : 12-14 Production Ave Ernest 4214
Telephone : +61 7 5563 1222 (Monday-Friday 8:30am-5:00pm)
Emergency telephone number : +61 7 5563 1222 (Monday-Friday 8:30am-5:00pm)
Revision Date : 19th April 2013

Section 2: Hazards Identification

Hazard Classification : HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS

Risk Phrases

R22	Harmful if swallowed.
R36/37/38	Irritating to eyes, respiratory system and skin.

Safety Phrases

S24/25	Avoid contact with skin and eyes.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28	After contact with skin, wash immediately with plenty of soap-suds.

Section 3: Composition/Information on Ingredients

Chemical Name	CAS No.	Weight %
Mercaptan polymer	-	>60

Section 4: First Aid Measures

General advice : Seek medical advice. If breathing has stopped or is labored, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately.
Eye contact : Rinse immediately with plenty of water for at least 15 minutes.
Skin contact : Immediately remove contaminated clothing, and any

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extraneous chemical, if possible to do so without delay. Take off contaminated clothing and shoes immediately.

NOTE TO PHYSICIANS: Application of corticosteroid cream has been effective in treating skin irritation.

Ingestion : Never give anything by mouth to an unconscious person. Prevent aspiration of vomit. Turn victim's head to the side.

Inhalation : Move to fresh air.

Section 5: Fire Fighting Measures

Suitable extinguishing media : Alcohol-resistant foam.
Carbon dioxide (CO₂).
Dry chemical.
Dry sand.
Limestone powder.

Specific hazards : Do not allow run-off from fire fighting to enter drains or water courses. Incomplete combustion may form carbon monoxide. Downwind personnel must be evacuated. Burning produces obnoxious and toxic fumes.

Special protective equipment for fire-fighters : Avoid contact with the skin. Use personal protective equipment. Wear self contained breathing apparatus for fire fighting if necessary.

Section 6: Accidental Release Measures

Personal precautions Use self-contained breathing apparatus and chemically protective clothing.
Wear suitable protective clothing, gloves and eye/face protection. Evacuate personnel to safe areas.

Environmental precautions : Construct a dike to prevent spreading.

Methods for cleaning up : Approach suspected leak areas with caution. Place in appropriate chemical waste container.

Additional advice : If possible, stop flow of product.

Section 7: Handling and Storage

Handling

Advice on safe handling : Do not get in eyes, on skin or on clothing. Use only with adequate ventilation. Avoid contact with skin, eyes and clothing. Avoid prolonged or repeated contact with skin, eyes and clothing. Wash thoroughly after handling. May be harmful if swallowed. Causes respiratory tract irritation. Containers, even those that have been emptied, can contain hazardous product residues. Wash with soap and water before eating, drinking, smoking, applying cosmetics, or using toilet facilities. Launder contaminated clothing before reuse. Contaminated leather articles, including shoes, cannot be decontaminated and should be destroyed to prevent reuse.

Storage

Requirements for storage areas and containers : Keep containers closed when not in use.

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Section 8: Exposure Controls / Personal Protection

Workplace exposure standards: No exposure standards have been established for product components.

Engineering measures : Provide readily accessible eye wash stations and safety showers.
Provide natural or explosion-proof ventilation adequate to ensure concentrations are kept below exposure limits.

Personal protective equipment:

Respiratory protection : Not required for properly ventilated areas.

Hand protection : Neoprene gloves.
PVC disposable gloves

Butyl-rubber
Nitrile rubber.
Impervious gloves.
The breakthrough time of the selected glove(s) must be greater than the intended use period.

Eye protection : Chemical resistant goggles must be worn.

Skin and body protection : Long sleeve shirts and trousers without cuffs.
Impervious clothing.

Environmental exposure Controls : Construct a dike to prevent spreading.

Special instructions for protection and hygiene: Discard contaminated leather articles. Provide readily accessible eye wash stations and safety showers. Wash at the end of each workshift and before eating, smoking or using the toilet. Remove contaminated clothing. Drench affected area with water for at least 15 minutes

Section 9: Physical and Chemical Properties

Form : Viscous liquid

Colour : Water white to light amber

Odour : Strong

pH : Not available

Melting Point : Not Determined

Boiling Point : >100°C

Flash Point : >108°C

Vapour Pressure : < 1 mmHg @20°C

Density : 1.08 to 1.20

Solubility in water : Slight

Section 10: Stability and Reactivity

Conditions to avoid : Extremes of temperature and direct sunlight.

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Materials to avoid	:	Exposure to water vapour. Strong oxidizing agents. Strong acids.
Hazardous decomposition Products	:	Oxides of nitrogen Carbon monoxide
Hazardous reactions	:	Stable. Reacts violently with strong oxidising agents.

Section 11: Toxicological Information

Acute oral toxicity	:	LD50 - (Rat) Expected to be of low toxicity, LD50 > 2000 mg/kg.
Acute dermal toxicity	:	Expected to be of low toxicity, LD50 > 2000 mg/kg.
Acute inhalation toxicity	:	Inhalation of vapours or mists may cause irritation.
Eye irritation	:	Expected to be irritant.
Skin irritation	:	Expected to be irritant.
Sensitization	:	Not a sensitizer.
Potential Health Effects		
Inhalation	:	Mists or vapors may produce severe respiratory irritation.
Skin	:	May be mildly irritating to the skin.
Eyes	:	May be severely irritating to the eyes and may cause severe damage including blindness. Vapors may also be irritating
Ingestion	:	Not likely to be a relevant route of exposure. May be irritating to the mouth, throat, and stomach.
Aggravated Medical Condition	:	Preexisting eye, skin and respiratory disorders may be aggravated by exposure to this product.

Section 12: Ecological Information

Aquatic toxicity : No data is available on the product itself.
Toxicity to other organisms : No data available.
Persistence and degradability
Mobility : No data available.
Bioaccumulation : No data is available on the product itself.

Section 13: Disposal Considerations

Waste from residues / unused Products	:	Contact supplier if guidance is required.
Contaminated packaging	:	Dispose of container and unused contents in accordance with federal, state, and local requirements.

Section 14: Transport Information

ROAD & RAIL TRANSPORT: This product is not classified as a dangerous good for road and rail transport in the Australian Dangerous Goods Code (ADG). The principal component is not included in the lists of Environmentally Hazardous Substances

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included in Appendix 8 of the 6th Edition of the ADG Code.

ADG U.N. Number None Allocated

ADG Proper Shipping Name None Allocated

ADG DG Class None Allocated

ADG Hazchem Code 3X

ADG Packing Group None Allocated

Other Information:

CFR_ROAD

NOT REGULATED FOR TRANSPORT

IATA_C

NOT REGULATED FOR TRANSPORT

IMDG

NOT REGULATED FOR TRANSPORT

CFR_RAIL

NOT REGULATED FOR TRANSPORT

Section 15: Regulatory Information

The principal components and additives of this product are included in the Australian Inventory of Chemical Substances (AICS) or comply with the requirements of the Industrial Chemicals (Notification and Assessment) Act 1989.

Poisons Schedule 5

Hazard Category HAZARDOUS SUBSTANCES
CLASSIFICATION: Irritant.

Packaging & Labelling Product is labelled in accordance with the Code of Practice for Labelling Workplace Substances.

Section 16: Other Information

Contact

Person/Point

PRODUCT INFORMATION MANAGER: (+61) 7 5563 1222
12-14 Production Av Ernest

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.