Specialist Construction Supplies for Repair, Maintenance, Building & Infrastructure

Resuseal WB Safety Data Sheet

Safety Data Sheet

Product: **Resuseal WB**

Supplier:
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RESIN SURFACES LIMITED

SAFETY DATA SHEET, RESUSEAL GLOSS

1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY:

NAME OF PRODUCT: RESUSEAL GLOSS
Resuseal Wall Gloss
Resuseal WB Gloss Clear
Water-based 2-pack epoxy resin floor/wall finish.

MANUFACTURERS: Resin Surfaces Ltd, Titan House, Lowick Close, Newby Road Industrial Estate, Hazel Grove, Cheshire, SK7 5ED, England.

EMERGENCY TELEPHONE: 0161-483-1232.

2: COMPOSITION/INFORMATION ON INGREDIENTS:

A 2-pack system comprising base and hardener which are supplied in separate containers to be mixed together at the site of application.

	% by weight	CAS No.	Hazard Symbols	R-phrases
Composition of base:				
Epoxy resin	20-40%	25068-38-6	Xi	R36/38,43,51,53
Non-toxic pigments, water & non-toxic additives	40-80%			
Composition of hardener:				
Polyamine-epoxy resin adduct	20-40%		Xn	R22,41
Water & non-toxic additives	60-80%			

3: HAZARDS IDENTIFICATION:

Base:
Irritating to eyes and skin.
May cause sensitisation by skin contact.
Toxic to aquatic organisms.
May cause long-term adverse effects in the aquatic environment.

Hardener :
Harmful if swallowed.
Risk of serious damage to eyes.
Animal deaths have occurred in eye contact tests with rabbits and rats, therefore a similar effect in humans can not be discounted. The animal tests showed that flushing the eye shortly after contact did not prevent the animal from dying. Eye contact must be prevented

4: FIRST AID MEASURES:

Eye contact: Hold eyelids apart and rinse immediately with water, continuing for at least 15 mins. Seek medical attention immediately.
Skin contact: Remove product and flush the affected area immediately with water, continuing for at least 15 mins. Remove contaminated clothing and shoes. Wash before reuse.
Inhalation: Remove the affected person to fresh air and allow to rest. Seek medical attention.
Ingestion: If swallowed seek medical attention immediately. Never give anything by mouth to an unconscious person.

5: FIRE FIGHTING MEASURES:

Special hazards: If involved in a fire, may generate flammable, noxious or toxic vapours including carbon monoxide and nitrogen oxides amines and ammonia.
Protective equipment: Fire fighters wear self contained breathing apparatus.
Extinguishing agents: Foam, dry powder, CO2 or waterspray.

6: ACCIDENTAL RELEASE MEASURES:

Personal precautions:	Wear full protective clothing and goggles when dealing with a spillage.
Environmental precautions:	Prevent from entering sewer system, surface water, or soil.
Methods for cleaning up:	Absorb with earth, sand or other absorbent materials. Wash the area clean with waterspray. Contain wash water and dispose safely

Disposal: See section 13.

7: HANDLING AND STORAGE:

Handling:	Wear goggles or a face shield, impervious gloves and protective clothing.
Storage:	Store in a cool, well ventilated place away from foodstuffs. Avoid freezing. Keep containers sealed until mixing.

8: EXPOSURE CONTROLS/PERSONAL PROTECTION:

During application: Wear goggles or a face shield, impervious gloves and protective clothing. Apply in a well ventilated area.

9: PHYSICAL AND CHEMICAL PROPERTIES:

Base: Physical state: pigment dispersion in water-based liquid.

Colour:	varies according to shade of finish required.
Odour:	weak odour.
Vapour pressure:	about 2.3 kPa at 20 °C.
Boiling point:	100 °C.
Flash point:	>200 °C.
Density:	about 1.4 g/cm3 at 20 °C.
Solubility:	miscible with water.
Viscosity:	<1 Pa.s at 25 °C.

Hardener: Physical state: water-based clear liquid.

Colour:	yellow.
Odour:	slightly ammoniacal.
Vapour pressure:	about 2.3 kPa at 20 °C.
Boiling point:	100 °C.
Flash point:	not determined.
pH of solution	greater than 8
Self ignition temperature:	>150 °C.
Density:	about 1.05 g/cm3 at 20 °C.
Solubility:	miscible with water.
Viscosity:	<1 Pa.s at 25 °C.

10: STABILITY AND REACTIVITY:

Base:	May react exothermally with amines and mercaptans, also with acids. case of a fire, carbon monoxide carbon dioxide and other harmful gases may be formed.
Hardener:	Reacts exothermally with acids. Corrosive to some metal surfaces (Al Zn Cu) In case of a fire, toxic fumes of nitrogen oxides may be formed.

11: TOXICOLOGICAL INFORMATION:

Base:	LD50 oral, rat: >15000 mg/kg. Epoxy resins such as contained in this product have been shown to cause irritation in humans on skin and eyes. Skin sensitisation was also observed.
Hardener:	LD50 oral, rat: >500 mg/kg. The polyamine-epoxy resin adduct contained in this product is an irritant to skin and a severe irritant to eyes with risk of serious eye damage.

12: ECOLOGICAL INFORMATION:

Environmental precautions: Prevent from entering sewer system, surface water, or soil. Epoxy resins such as contained in this product have been shown to be toxic to fish and are not readily biodegradable. Whilst no data is available for the Hardener solution it is reasonable to assume that this will be toxic to aquatic organisms and may cause long term adverse effects to the aquatic environment.

13: DISPOSAL CONSIDERATIONS:

Waste — Care should be taken to ensure that all containers are properly and thoroughly cleaned prior to disposal to minimize risk of environmental pollution. Check with local / national waste disposal regulations and Local authorities with regard to acceptable routes for disposal. Due to the solubility of the hardener it must be assumed that landfill options are less desirable that other routes.
Do not reuse containers

14: TRANSPORT INFORMATION:

Base: ADR/RID: Class 9, 11c, Hazard No.90, UN No.3082,
Environmentally hazardous substance, liquid, n.o.s.
IMDG: Not regulated.
ICAO/IATA: Not regulated.

Hardener: Not regulated for ADR/RID, IMO or ICAO/IATA.

15: REGULATORY INFORMATION:

Base: Hazard labels: Xi Irritant. N Dangerous to the environment
R-phrases: R36/38 Irritating to eyes and skin.
R43 May cause sensitisation by skin contact.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S-phrases: S24 Avoid contact with skin.
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 and water.
S37/39 Wear suitable gloves and eye/face protection.
S61 Avoid release to the environment. Refer to special instructions/safety data sheet.

Hardener: Hazard labels: Xn Harmful.
R-phrases: R22 Harmful if swallowed.
R41 Risk of serious damage to eyes.
S-phrases S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37/39 Wear suitable gloves and eye/face protection.

16: OTHER INFORMATION:

Liquid epoxy resins are classified as dangerous to the environment under a voluntary agreement by the Association of Plastic Manufacturers Europe (APME) based on available data. Resin Surfaces Limited have adopted this practice as part of their duty of care under the Environmental Protection Act 1992

Whilst no data is available for the Hardener solution it is reasonable to assume that this will be toxic to aquatic organisms and may cause long term adverse effects to the aquatic environment.

The base and hardener are mixed together in the approximate ratio as follows:
base: 50-60% by weight
hardener: 40-50% by weight
All the foregoing information should be regarded as being applicable to the finished paint as well as to the individual base and hardener components.-