

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 10.07.2020

revision number 7

Revision: 10.07.2020

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Trade name:** Double Bubble Epoxy Extra Fast Setting Red Pkg. Part A (04001)
- **1.2 Relevant identified uses of the substance or mixture and uses advised against** Adhesive
- **Application of the substance / the mixture** Adhesive
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**

Royal Adhesives & Sealants	SDS Supplier:
800 E. Anaheim Street	Krimpterm LTD
Wilmington. CA 90744	Sterling Works, Texas Street
(310) 830-9904	Tingley, Leeds LS270HG
	United Kingdom
	+44 (0) 0113 201 2657
- **Further information obtainable from:** Global Regulatory Department.
- **1.4 Emergency telephone number:**
 ChemTrec: Day or Night within USA and Canada: 1-800-424-9300.
 Outside USA and Canada: +1 703-527-3887 (collect calls accepted)

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



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.
 STOT SE 3 H335 May cause respiratory irritation.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



- **Signal word** Warning
- **Hazard-determining components of labelling:**
 epoxy novolac
 Bisphenol A Epoxy Resin
 trimethylol ethane triglycidyl ether polymer
- **Hazard statements**
 H Causes skin irritation.
 H Causes serious eye irritation.
 H May cause an allergic skin reaction.
 H May cause respiratory irritation.

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Precautionary statements

- P If medical advice is needed, have product container or label at hand.
- P Keep out of reach of children. P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P Read label before use.
- P280 Wear protective gloves / eye protection / face protection. P304+P340 IF INHALED:
Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards

Results of PBT and vPvB assessment

- PBT: Not applicable.
- vPvB: Not applicable.

* CTION 3: Composition/information on ingredients

- 3.2 Chemical characterisation: Mixtures
- Description: Mixture

Dangerous components:

CAS: 28064-14-4	epoxy novolac	50-100%
NLP: 500-006-8	Skin Sens. 1B, H317	
CAS: 25065-00-6	Bisphenol A Epoxy Resin	5-20%
25065-00-6	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335	
CAS: 68460-21-9	trimethylol ethane triglycidyl ether polymer	5-20%
	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	

* CTION 4: First aid measures

- 4.1 Description of first aid measures
- After inhalation:
Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.
- After skin contact: Immediately wash with water and soap and rinse thoroughly.
- After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing: Seek medical treatment.
- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed
No further relevant information available.

* CTION 5: Firefighting measures

- 5.1 Extinguishing media
- Suitable extinguishing agents: CO2, powder or water spray. Fight larger fires with water spray. Use fire extinguishing methods suitable to surrounding conditions.
- 5.2 Special hazards arising from the substance or mixture No further relevant information available. (Contd. on page 3)

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- 5.3 Advice for firefighters
- **Protective equipment:** Mouth respiratory protective device.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures
 - Ensure adequate ventilation
 - Wear protective clothing.
- 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- 6.3 Methods and material for containment and cleaning up:
 - Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- 6.4 Reference to other sections
 - See Section 7 for information on safe handling.
 - See Section 8 for information on personal protection equipment.
 - See Section 13 for disposal information.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling
 - Ensure good ventilation/exhaustion at the workplace.
 - Use only in well ventilated areas.
 - Prevent formation of aerosols.
- **Information about fire - and explosion protection:** No special measures required.
- 7.2 Conditions for safe storage, including any incompatibilities
- **Storage:**
 - **Requirements to be met by storerooms and receptacles:** Store in a cool location.
 - **Information about storage in one common storage facility:** Keep away from open flames and high temperatures.
 - **Further information about storage conditions:** Keep container tightly sealed.
- 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- 8.1 Control parameters
- **Ingredients with limit values that require monitoring at the workplace:** The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists valid during the making were used as basis.
- 8.2 Exposure controls
- **Personal protective equipment:**
 - **General protective and hygienic measures:** The usual precautionary measures are to be adhered to when handling chemicals.
 - **Respiratory protection:** Not necessary if room is well-ventilated.
 - **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

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- **Material of gloves**
Nitrile rubber, NBR
Chloroprene rubber, CR
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Safety glasses with side shields
- **Body protection:** Protective work clothing

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
Form: Liquid **Colour:** Clear · **Odour:** Characteristic
- **Odour threshold:** Not Available.
- **pH-value:** Not Available
- **Change in condition**
Melting point/freezing point: Undetermined.
Boiling point: Not Available
- **Flash point:** 191 °C
- **Flammability (solid, gas):** Not applicable.
- **Decomposition temperature:** Not Available.
- **Auto-ignition temperature:** Product is not selfigniting.
- **Explosive properties:** Product does not present an explosion hazard.
- **Explosion limits:**
Lower: Not Available
Upper: Not Available
- **Vapour pressure:** Not Available
- **Specific Gravity at 20 °C:** 1.19 g/cm³
- **Relative density** Not Available.
- **Vapour density** Not Available.
- **Evaporation rate** Not Available.
- **Solubility in / Miscibility with water:** Negligible
- **Partition coefficient: n-octanol/water:** Not Available
- **Viscosity:**
Dynamic: Not Available
Kinematic: Not Available
- **Solvent content: Organic solvents:** 0.0 %

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· 9.2 Other information

No further relevant information available.

* **SECTION 10: Stability and reactivity**

- **10.1 Reactivity** Not reactive as supplied
- **10.2 Chemical stability** Stable under recommended storage conditions.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** Avoid high temperatures. Avoid freezing.
- **10.5 Incompatible materials:** Reacts with oxidising agents.
- **10.6 Hazardous decomposition products:**
Carbon monoxide and carbon
dioxide Aldehyde
Acids

* **SECTION 11: Toxicological information**

- **11.1 Information on toxicological effects**
 - **Acute toxicity** Based on available data, the classification criteria are not met.
- | | |
|--|--------------------|
| · LD/LC50 values relevant for classification: | |
| 28064-14-4 epoxy novolac | |
| Oral LD50 | >4,000 mg/kg (rat) |
- **Primary irritant effect:**
 - **Skin corrosion/irritation**
Causes skin irritation.
 - **Serious eye damage/irritation**
Irritating effect.
Causes serious eye irritation.
 - **Respiratory or skin sensitisation**
May cause an allergic skin reaction.
 - **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
 - **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
 - **Carcinogenicity** Based on available data, the classification criteria are not met.
 - **Reproductive toxicity** Based on available data, the classification criteria are not met.
 - **STOT-single exposure**
May cause respiratory irritation.
 - **STOT-repeated exposure** Based on available data, the classification criteria are not met.
 - **Aspiration hazard** Based on available data, the classification criteria are not met.

* **SECTION 12: Ecological information**

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Toxic for fish

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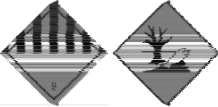
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- **Additional ecological information:**
- **General notes:** At present there are no ecotoxicological assessments.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation** Must be specially treated adhering to official regulations.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- | | |
|---|---|
| · 14.1 UN-Number
· ADR, IMDG, IATA | UN3082 |
| · 14.2 UN proper shipping name
· IMDG
· IATA | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol A Epoxy Resin), MARINE POLLUTANT ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol A Epoxy Resin) |
| · 14.3 Transport hazard class(es)
· ADR, IMDG, IATA | |
|  | |
| · Class
· Label | 9 Miscellaneous dangerous substances and articles.
9 |
| · 14.4 Packing group
· ADR, IMDG, IATA | III |
| · 14.5 Environmental hazards:
· Marine pollutant:
· Special marking (ADR):
· Special marking (IATA): | Symbol (fish and tree)
Symbol (fish and tree)
Symbol (fish and tree) |
| · 14.6 Special precautions for user
· EMS Number: | Warning: Miscellaneous dangerous substances and articles. F-A,S-F |
| · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |
| · Transport/Additional information: | Product packaging conforms to 49 CFR 173.4 - Requirements for "Small Quantity Exceptions" |
| · ADR
· Limited quantities (LQ) | 5L |

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· UN "Model Regulation":

Void

SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3
- National regulations:
- Waterhazard class: Water hazard class 2 (Self-assessment): hazardous for water.
- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant phrases

H315 Causes skin irritation. H317

May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

· Department issuing SDS: Global Regulatory Department.

· Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Skin Irrit. 2: Skin corrosion/irritation • Category 2

Eye Irrit. 2: Serious eye damage/eye irritation • Category 2

Skin Sens. 1: Skin sensitisation • Category 1

Skin Sens. 1B: Skin sensitisation • Category 1B

STOT SE 3: Specific target organ toxicity (single exposure) • Category 3