



# SAFETY DATA SHEET


Version: 24-AUG-2018 Revision date: 24-AUG-2018  
ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830

## S1125 Adhesive - Part A and S1264 Adhesive – Part A

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

<b>1.1 Product identifier</b>	
Product Name	S1125 Adhesive - Part A and S1264 Adhesive – Part A
Product code	Not applicable
Product type	Mixture
REACH Registration No.	Not applicable (Mixture)
<b>1.2 Relevant identified uses of the substance or mixture and uses advised against</b>	
Identified Use(s)	Adhesive. Epoxy Resin: Hardener
Uses Advised Against	None known.
<b>1.3 Details of the supplier of the safety data sheet</b>	
Supplier	Tyco Electronics UK Ltd Faraday Road, Dorcan, Swindon, Wiltshire, SN3 5HH, United Kingdom
Telephone	+44 (0) 1793 52 81 71 (Head Office) Monday - Friday 08:00 - 17:00 (GMT)
Fax	+44 1793 57 2516
E-Mail (competent person)	msdsmaterialsuk@te.com
<b>1.4 Emergency telephone number</b>	
Emergency Phone No.	+44 1793 528171
Languages spoken	English
	GMT (Monday to Friday 08:00 - 17:00)

### SECTION 2: HAZARDS IDENTIFICATION

<b>2.1 Classification of the substance or mixture</b>	
<b>2.1.1 Regulation (EC) No. 1272/2008 (CLP)</b>	Skin Corr. 1; H314 Skin Sens. 1; H317 Eye Dam.1; H318
<b>2.2 Label elements</b>	
Product Name	S1125 Adhesive – Part A and S1264 Adhesive – Part A
Contains:	3,3'-oxybis(ethyleneoxy)bis(propylamine), Aliphatic Polymer Diamine
Hazard Pictogram(s)	
Signal Word(s)	Danger
Hazard Statement(s)	H314: Causes severe skin burns and eye damage. H317: May cause an allergic skin reaction.
Precautionary Statement(s)	P280: Wear protective gloves/protective clothing/eye protection/face protection. P303+P361+P353: IF ON SKIN or hair: Take off immediately all contaminated clothing. Rinse skin with water. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P310: Immediately call a POISON CENTER/doctor. P362+P364: Take off contaminated clothing and wash it before reuse.
Supplemental information	Not applicable.
<b>2.3 Other hazards</b>	Combustible.



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### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 **Substances**  
Not applicable

3.2 **Mixtures** Substances in preparations / mixtures.

Chemical identity of the substance	%W/W	CAS No.	EC No.	REACH Registration No.	Hazard classification
ALIPHATIC POLYMER DIAMINE	50 - 80	68911-25-1	614-773-2	Not yet assigned in the supply chain	Skin Irrit. 2; H315 Skin Sens. 1; H317 Eye Dam. 1; H318
3,3'-oxybis (ethyleneoxy) bis (propylamine)	≤ 10	4246-51-9	224-207-2	Not yet assigned in the supply chain	Skin Corr. 1B; H314 Skin Sens. 1; H317
Toluene*	< 0.5	108-88-3	203-625-9	Not yet assigned in the supply chain	Flam. Liq. 2; H225 Skin Irrit. 2; H315 Asp. Tox. 1; H304 STOT SE. 3; H336 STOT RE. 2; H373 Repr. 2; H361d Aq. Chronic 3; H412

Notes: \*Substance with a community exposure limit For full text of H phrases see section 16.

### SECTION 4: FIRST AID MEASURES



4.1 **Description of first aid measures**  
Self-protection of the first aider

Inhalation

Skin Contact

Eye Contact

Ingestion

4.2 **Most important symptoms and effects, both acute and delayed**

4.3 **Indication of any immediate medical attention and special treatment needed**

No action should be taken involving personal risk. Wear appropriate personal protective equipment, avoid direct contact. Remove contaminated clothing immediately. If unconscious, place in recovery position and get medical attention immediately. Apply artificial respiration if necessary. Check the vital functions. Keep cool.

IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. IF exposed or concerned: Get medical advice/attention.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Obtain immediate medical attention.

IF IN EYES: Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Treatment by an ophthalmologist due to possible caustic burn of the eyes may be required.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Obtain immediate medical attention.

Causes severe skin burns and eye damage. May cause an allergic skin reaction.

Treat symptomatically. No antidotes known.

IF IN EYES: Treatment by an ophthalmologist due to possible caustic burn of the eyes may be required.

## S1125 Adhesive - Part A and S1264 Adhesive – Part A

### SECTION 5: FIREFIGHTING MEASURES

- 5.1 Extinguishing media**  
 Suitable Extinguishing media  
 Unsuitable extinguishing media
- 5.2 Special hazards arising from the substance or mixture**
- 5.3 Advice for fire-fighters**
- Combustible. Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions. Water spray, foam, dry powder or CO2.  
 Do not use water jet. Direct water jet may spread the fire.
- May give off noxious and toxic fumes in a fire. Combustion products: Carbon monoxide, Carbon dioxide, Oxides of nitrogen.
- Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Chemical protection suit. Keep containers cool by spraying with water if exposed to fire. Evacuate if necessary. Do not allow run-off from fire fighting to enter drains or water courses.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures**
- 6.2 Environmental precautions**
- 6.3 Methods and material for containment and cleaning up**
- 6.4 Reference to other sections**
- No action should be taken involving personal risk. Wear appropriate personal protective equipment, avoid direct contact. Remove contaminated clothing and wash all affected areas with plenty of water.
- Do not allow to enter drains, sewers or watercourses. Spillages or uncontrolled discharges into soil must be alerted to the appropriate regulatory body.
- Contain spillages. Cover spills with inert absorbent material. Recover the product where possible. Ventilate the area and wash spill site after material pick-up is complete.
- See Also Section: 8, 13.

### SECTION 7: HANDLING AND STORAGE

- 7.1 Precautions for safe handling**
- 7.2 Conditions for safe storage, including any incompatibilities**  
 Storage temperature  
 Storage life  
 Incompatible materials
- 7.3 Specific end use(s)**
- When using do not eat or drink. Provide adequate ventilation when using the material and follow the principles of good occupational hygiene to control personal exposures. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not eat, drink or smoke when using this product. Avoid all contact. Remove contaminated clothing and wash clothing before reuse.
- Keep only in original packaging. Keep in a well ventilated place. Keep container closed.  
 Store in a cool/low-temperature, well-ventilated (dry) place away from heat and ignition sources.  
 Stable at ambient temperatures.  
 Keep away from oxidising substances. Avoid contact with acids and alkalis.
- See Section: 1.2.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters**  
**8.1.1 Occupational Exposure Limits**
- The UK HSE (EH40) recommends the following limits for dusts: 10 mg/m<sup>3</sup> (8hr TWA) total inhalable dust; 5 mg/m<sup>3</sup> (8hr TWA) total respirable dust.

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note
Kaolin	1332-58-7	-	2	-	-	WEL: Respirable Aerosol
Titanium dioxide	13463-67-7	-	10	-	-	WEL: Inhalable Aerosol
		-	4	-	-	WEL: Respirable Aerosol
Toluene	108-88-3	50	191	100	384	WEL
		50	192	100	384	IOELV




Source: WEL: Workplace Exposure Limit (UK HSE EH40). IOELV: Indicative Occupational Exposure Limit Value.



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8.1.2	<b>Biological limit value</b>	Not established.
8.1.3	<b>PNECs and DNELs</b>	Not applicable ALIPHATIC POLYMER DIAMINE - Not yet assigned in the supply chain 3,3'-oxybis (ethyleneoxy) bis (propylamine) - Not yet assigned in the supply chain Toluene - Not yet assigned in the supply chain
8.2	<b>Exposure controls</b>	
8.2.1	<b>Appropriate engineering controls</b>	Provide adequate ventilation when using the material and follow the principles of good occupational hygiene to control personal exposures. Take action to prevent static discharges. Keep away from fire, sparks and heated surfaces.
8.2.2	<b>Personal protection equipment</b>	Use personal protective equipment as required. Take care for general good hygiene and housekeeping. Avoid all contact. Avoid inhalation of vapours that may be evolved at elevated temperatures.
	Eye/ face protection	Wear eye protection with side protection (EN166). Eyewash bottles should be available.
		
	Skin protection (Hand protection/ Other)	<b>Hand protection</b> Wear impervious gloves (EN374). Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374. Nitrile rubber (0.4 mm), Polychloroprene - CR (0.5 mm), Butyl rubber (0.7 mm).
		
	Respiratory protection	<b>Body protection</b> Wear impervious protective clothing, including boots, lab coat, apron or coveralls, as appropriate, to prevent skin contact.  In case of inadequate ventilation wear respiratory protection. Recommended: EN 14387 Type A-P2
		
	Thermal hazards	Not applicable.
8.2.3	<b>Environmental Exposure Controls</b>	Avoid release to the environment.No special precautions are required for this product.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1	<b>Information on basic physical and chemical properties</b>	
	Appearance	Grey Paste
	Odour	Pungent / Irritating odour
	Odour threshold	Not available
	pH	Not determined
	Melting point/freezing point	Not determined
	Initial boiling point and boiling range	Not determined
	Flash point	151°C [Closed cup]
	Evaporation rate	Not determined
	Flammability (solid, gas)	Not applicable
	Upper/lower flammability or explosive limits	Not applicable
	Vapour pressure	<0.13 hPa
	Vapour density	Not determined
	Relative density	Not determined
	Solubility(ies)	Water: Insoluble



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## S1125 Adhesive - Part A and S1264 Adhesive – Part A

Partition coefficient: n-octanol/water	Not determined
Auto-ignition temperature	Not determined
Decomposition Temperature	Not determined
Viscosity (mPa. s)	Not determined
Explosive properties	Not explosive
Oxidising properties	Not oxidising
<b>9.2 Other information</b>	
Density	1280 kg/m <sup>3</sup>

### SECTION 10: STABILITY AND REACTIVITY

<b>10.1 Reactivity</b>	Stable under normal conditions.
<b>10.2 Chemical stability</b>	Stable under normal conditions.
<b>10.3 Possibility of hazardous reactions</b>	Hazardous polymerisation will not occur.
<b>10.4 Conditions to avoid</b>	Avoid prolonged storage at elevated temperature.
<b>10.5 Incompatible materials</b>	Keep away from oxidising substances. Avoid contact with acids and alkalis.
<b>10.6 Hazardous decomposition product(s)</b>	Combustion products: Carbon monoxide, Carbon dioxide, Oxides of nitrogen

### SECTION 11: TOXICOLOGICAL INFORMATION

<b>11.1 Information on toxicological effects</b>	
<b>Acute toxicity - Oral</b>	Mixture: Based upon the available data, the classification criteria are not met. Calculated acute toxicity estimate (ATE) >2,000 mg/kg.
ALIPHATIC POLYMER DIAMINE	Not classified - No data
3,3'-oxybis (ethyleneoxy) bis (propylamine)	Not classified - LD50 > 2850 mg/kg bw/day (rat) OECD 401
Toluene	Not classified - LD50 5580 mg/kg bw/day (rat) EU Method B1
<b>Acute toxicity - Dermal</b>	Mixture: Based upon the available data, the classification criteria are not met. Calculated acute toxicity estimate (ATE) >2,000 mg/kg.
ALIPHATIC POLYMER DIAMINE	Not classified - No data
3,3'-oxybis (ethyleneoxy) bis (propylamine)	Not classified - LD50 > 2150 mg/kg bw/day (rat) OECD 402
Toluene	Not classified - LD50 > 2150 mg/kg bw/day (rabbit) study result 1969
<b>Acute toxicity - Inhalation</b>	Mixture: Based upon the available data, the classification criteria are not met. Calculated acute toxicity estimate (ATE) > 5 mg/l
ALIPHATIC POLYMER DIAMINE	Not classified - No data
3,3'-oxybis (ethyleneoxy) bis (propylamine)	Not classified - No data
Toluene	Not classified – LC50 30 mg/L Air (Analytical method) OECD 403
<b>Skin corrosion/irritation</b>	Mixture: Skin Corr. 1; H314: Causes severe skin burns and eye damage.
ALIPHATIC POLYMER DIAMINE	Skin Irrit. 2; H315: Causes skin irritation. EU classification and labelling inventory
3,3'-oxybis (ethyleneoxy) bis (propylamine)	Skin Corr. 1; H314 Corrosive (rabbit) study result 1984
Toluene	Skin Irrit. 2; H315 Irritant (rabbit) EU Method B4
<b>Serious eye damage/irritation</b>	Mixture: Eye Dam. 1; H318: Causes serious eye damage.
ALIPHATIC POLYMER DIAMINE	Eye Dam. 1; H318: Causes serious eye damage. EU classification and labelling inventory
3,3'-oxybis (ethyleneoxy) bis (propylamine)	Skin Corr. 1; H314 / Eye Dam. 1; H318 Corrosive (rabbit) study result 1984
Toluene	Not classified - Conclusive but not sufficient for classification: Slightly irritant to eyes. OECD 405 (rabbit)
<b>Respiratory or skin sensitization</b>	Mixture: Skin Sens. 1; H317: May cause an allergic skin reaction.
ALIPHATIC POLYMER DIAMINE	Skin Sens. 1; H317: May cause an allergic skin reaction. EU classification and labelling inventory
3,3'-oxybis (ethyleneoxy) bis (propylamine)	Skin Sens. 1; H317: May cause an allergic skin reaction.
Toluene	Not classified - Sensitisation (guinea pig) - Negative EU Method B6
<b>Germ cell mutagenicity</b>	Mixture: Based upon the available data, the classification criteria are not met.
ALIPHATIC POLYMER DIAMINE	Not classified - No data
3,3'-oxybis (ethyleneoxy) bis (propylamine)	In vitro: Negative OECD 471
Toluene	In vivo: Not classified - No data
	In vitro: Negative EU Method B13/14
	In vivo: Negative study result 1978



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## S1125 Adhesive - Part A and S1264 Adhesive – Part A

### Carcinogenicity

ALIPHATIC POLYMER DIAMINE  
3,3'-oxybis (ethyleneoxy) bis (propylamine)  
Toluene

### Reproductive toxicity

ALIPHATIC POLYMER DIAMINE  
3,3'-oxybis (ethyleneoxy) bis (propylamine)

Toluene

### STOT - single exposure

ALIPHATIC POLYMER DIAMINE  
3,3'-oxybis (ethyleneoxy) bis (propylamine)  
Toluene

### STOT - repeated exposure

ALIPHATIC POLYMER DIAMINE

3,3'-oxybis (ethyleneoxy) bis (propylamine)

Toluene

### Aspiration hazard

ALIPHATIC POLYMER DIAMINE  
3,3'-oxybis (ethyleneoxy) bis (propylamine)  
Toluene

### 11.2 Other information

Mixture: Based upon the available data, the classification criteria are not met.  
Not classified - No data  
Not classified - No data  
Not classified - No evidence of carcinogenic effects. (rat) OECD 453  
Mixture: Based upon the available data, the classification criteria are not met.  
Not classified - No data  
Reproductive toxicity: Not classified - No effects observed (rat) OECD 422  
Developmental Toxicity: Not classified - No data  
Repr. 2; H361d: Suspected of damaging the unborn child.  
Reproductive toxicity: Birth defects - Loss of weight study result 1997  
Developmental Toxicity: Not classified - No evidence of reproductive effects.  
Weight of evidence approach  
Mixture: Based upon the available data, the classification criteria are not met.  
Not classified - No data  
Not classified - No data  
STOT SE. 3; H336 Harmonised Classification  
Mixture: Based upon the available data, the classification criteria are not met.  
Oral: Not classified – NOAEL (rat) 100 - 600 mg/kg bw/day OECD 422 52-62Days  
Inhalation: Not classified - No data  
Dermal: Not classified - No data  
Oral: Not classified - No effects observed (rat) OECD 422  
Inhalation: Not classified – No data  
Dermal: Not classified - No data  
Oral: Not classified - No effects observed (rat) OECD 422  
Inhalation: Not classified - LOAEC (rat) 600 ppm OECD 453 103 week(s)  
Dermal: Not classified - No data  
Mixture: Based upon the available data, the classification criteria are not met.  
Not classified - No data  
Not classified - Not applicable  
Asp. Tox, 1; H304 Hydrocarbon - Viscosity 0.56 mPa · s (20°C)

None.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

ALIPHATIC POLYMER DIAMINE  
3,3'-oxybis (ethyleneoxy) bis (propylamine)

Toluene

Based upon the available data, the classification criteria are not met.  
Estimated LC50 (Mixture): >100 mg/l.  
Not classified - No data  
Short term: LC50 > 100 mg/l (Fish) 1991  
Long Term: NOEC > 1 mg/l (Fish) EU Method C2  
Short term: LC50 > 5.5 mg/l (Fish) 1981  
Long Term: Aquatic Chronic 3 Harmonised Classification

### 12.2 Persistence and degradability

ALIPHATIC POLYMER DIAMINE  
3,3'-oxybis (ethyleneoxy) bis (propylamine)  
Toluene

The product is likely to persist in the environment.  
No data.  
Water: Poorly biodegradable. ECHA registration dossier  
Water: Readily biodegradable. ECHA registration dossier

### 12.3 Bioaccumulative potential

ALIPHATIC POLYMER DIAMINE  
3,3'-oxybis (ethyleneoxy) bis (propylamine)

Toluene

The product has low potential for bioaccumulation.  
No data.  
BCF = 2.0 - The substance has low potential for bioaccumulation. ECHA registration dossier  
BCF = 90 - The substance has low potential for bioaccumulation. ECHA registration dossier

### 12.4 Mobility in soil

ALIPHATIC POLYMER DIAMINE  
3,3'-oxybis (ethyleneoxy) bis (propylamine)  
Toluene

The product is predicted to have low mobility in soil.  
No data.  
log Koc 1.5 (23 °C, pH 7) ECHA registration dossier  
The product is predicted to have high mobility in soil. ECHA registration dossier



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<b>12.5 Results of PBT and vPvB assessment</b> ALIPHATIC POLYMER DIAMINE 3,3'-oxybis (ethyleneoxy) bis (propylamine) Toluene	No data for the mixture as a whole. No data. Not classified as PBT or vPvB. ECHA registration dossier Not classified as PBT or vPvB. ECHA registration dossier
<b>12.6 Other adverse effects</b>  Toluene	Regulation (EC) N° 2037/2000 on substances that deplete the ozone layer: No components of the mixture are listed Regulation (EC) No 517/2014: No components of the mixture are listed This chemical is known to leach through soil into ground water under certain conditions.

### SECTION 13: DISPOSAL CONSIDERATIONS

<b>13.1 Waste treatment methods</b>  Waste code(s) / waste designation(s)	Dispose of wastes in an approved waste disposal facility. Recover or recycle if possible. 08 04 09 20 01 27 Packaging waste: 15 01 10
<b>13.2 Additional Information</b>	Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

### SECTION 14: TRANSPORT INFORMATION

	Road/Rail (ADR/RID)	Sea transport (IMDG)	Air (ICAO/IATA)
<b>14.1 UN number</b>	UN 1759	UN 1759	UN 1759
<b>14.2 UN proper shipping name</b>	CORROSIVE SOLID, N.O.S (3,3'-oxybis (ethyleneoxy) bis (propylamine))	CORROSIVE SOLID, N.O.S (3,3'-oxybis (ethyleneoxy) bis (propylamine))	CORROSIVE SOLID, N.O.S (3,3'-oxybis (ethyleneoxy) bis (propylamine))
<b>14.3 Transport hazard class(es)</b> Hazard Identification Number Classification code	8 80 C10	8 Not applicable Not applicable	8 Not applicable Not applicable
<b>14.4 Packing group</b>	II	II	II
<b>14.5 Environmental hazards</b>	Not classified	Not classified as a Marine Pollutant.	Not classified
<b>14.6 Special precautions for user</b> Special Provisions Limited Quantities Excepted Quantities	274 1kg E1	274 1kg E1	A3 5kg (Y844) Not applicable
<b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not applicable		
<b>14.8 Additional Information</b>	None known		



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### SECTION 15: REGULATORY INFORMATION

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- 15.1.1 EU regulations**  
Authorisations and/or Restrictions On Use None.  
Volatile Organic Compound Content (%): 0.499%
- 15.1.2 National regulations**  
Wassergefährdungsklasse (Germany) Water hazard class: 1 (Self classification)
- 15.2 Chemical Safety Assessment**  
ALIPHATIC POLYMER DIAMINE - Not yet assigned in the supply chain  
3,3'-oxybis (ethyleneoxy) bis (propylamine) - Not yet assigned in the supply chain  
Toluene - Not yet assigned in the supply chain

### SECTION 16: OTHER INFORMATION

**The following sections contain revisions or new statements:** New SDS Regulation 2015/830 format, all sections have been updated to include new information. Please review SDS with care.

Version: 24-AUG-2018

Date of preparation: 24-AUG-2018

Date Previous Issue: Not applicable

EU Classification: This Safety Data Sheet was prepared in accordance with EC Regulation (EC) 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830.

#### References:

Existing Safety Data Sheet (SDS). Existing ECHA registration(s) for 3,3'-oxybis(ethyleneoxy)bis(propylamine) (CAS No. 4246-51-9), Toluene (CAS No. 108-88-3). EU Harmonised Classification(s) for Toluene (CAS No. 108-88-3). EU classification and labelling inventory ALIPHATIC POLYMER DIAMINE (CAS No. 68911-25-1).

Classification of the substance or mixture According to Regulation (EC) No. 1272/2008 (CLP)	Classification Procedure
Skin Corr. 1; H314	Threshold Calculation
Skin Sens. 1; H317	Threshold Calculation
Eye Dam.1; H318	Threshold Calculation

#### LEGEND

ADR/RID	ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road / RID: Regulations concerning the international railway transport of dangerous goods
BCF	Bioconcentration factor (BCF)
CAS	CAS: Chemical Abstracts Service
DNEL	Derived No Effect Level
EC	EC: European Community
EU	European Union
IATA	IATA: International Air Transport Association
ICAO/IATA	ICAO: International Civil Aviation Organization / IATA: International Air Transport Association
IMDG	IMDG: International Maritime Dangerous Goods
LTEL	Long Term Exposure Limit
NOEC	No Observed Effect Concentration
OECD	Organisation for Economic Cooperation and Development
PBT	PBT: Persistent, Bioaccumulative and Toxic
PNEC	Predicted No Effect Concentration
STEL	Short Term Exposure Limit
UN	United Nations
vPvB	vPvT: very Persistent and very Toxic





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## S1125 Adhesive - Part A and S1264 Adhesive – Part A

### Hazard classification / Classification code:

Flam. Liq. 2; Flammable Liquid, Category 2  
Asp. Tox. 1; Aspiration hazard, Category 1  
Skin Corr. 1A/B/C ; Skin corrosion/irritation, Category 1A/B/C  
Skin Irrit. 2; Skin corrosion/irritation, Category 2  
Skin Sens. 1; Skin Sensitisation, Category 1  
STOT SE 3; Specific target organ toxicity — single exposure, Category 3

Repr. 2; Reproductive toxicity, Category 2  
STOT RE 2; Specific target organ toxicity — repeated exposure,  
Category 2  
Aquatic Chronic 3; Hazardous to the aquatic environment, Chronic ,  
Category 3

### Hazard Statement(s)

H225: Highly flammable liquid and vapour.  
H304: May be fatal if swallowed and enters airways.  
H314: Causes severe skin burns and eye damage.  
H315: Causes skin irritation.  
H317: May cause an allergic skin reaction.  
H335: May cause respiratory irritation.  
H336: May cause drowsiness or dizziness.  
H361d: Suspected of damaging the unborn child.  
H373: May cause damage to organs through prolonged or repeated exposure.  
H412: Harmful to aquatic life with long lasting effects.

Training advice: Consideration should be given to the work procedures involved and the potential extent of exposure as they may determine whether a higher level of protection is required.

### Disclaimers

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# SAFETY DATA SHEET

Version: 25-MAY-2018 Revision date: 25-MAY-2018  
ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830

## S1125 Adhesive- Part B and S1264 Adhesive – Part B

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

<b>1.1 Product identifier</b>	
Product Name	S1125 Adhesive- Part B and S1264 Adhesive – Part B
Product code	Not applicable
Product type	Mixture
REACH Registration No.	Not applicable (Mixture)
<b>1.2 Relevant identified uses of the substance or mixture and uses advised against</b>	
Identified Use(s)	Adhesive. Epoxy Resin.
Uses Advised Against	None known.
<b>1.3 Details of the supplier of the safety data sheet</b>	
Supplier	Tyco Electronics UK Ltd Faraday Road, Dorcan, Swindon, Wiltshire, SN3 5HH, United Kingdom
Telephone	+44 (0) 1793 52 81 71 (Head Office) Monday - Friday 08:00 - 17:00 (GMT)
Fax	+44 1793 57 2516
E-Mail (competent person)	msdsmaterialsuk@te.com
<b>1.4 Emergency telephone number</b>	
Emergency Phone No.	+44 1793 528171
Languages spoken	English
	GMT (Monday to Friday 08:00 - 17:00)

### SECTION 2: HAZARDS IDENTIFICATION

<b>2.1 Classification of the substance or mixture</b>	
<b>2.1.1 Regulation (EC) No. 1272/2008 (CLP)</b>	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1; H317 Aquatic Chronic 2; H411
<b>2.2 Label elements</b>	According to Regulation (EC) No. 1272/2008 (CLP)
Product Name	S1125 Adhesive – Part B and S1264 Adhesive – Part B
Contains:	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight $\leq 700$ )
Hazard Pictogram(s)	
Signal Word(s)	Warning
Hazard Statement(s)	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.
Precautionary Statement(s)	P280: Wear protective gloves/protective clothing/eye protection/face protection. P302+P352: IF ON SKIN: Wash with plenty of water. P333+P313: If skin irritation or rash occurs: Get medical advice/attention. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313: If eye irritation persists: Get medical advice/attention. P273: Avoid release to the environment.
Supplemental information	Not applicable.



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## S1125 Adhesive- Part B and S1264 Adhesive – Part B

### 2.3 Other hazards

Heating can generate vapors that could cause headaches, nausea, dizziness, and respiratory irritation if inhaled.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Not applicable

### 3.2 Mixtures Substances in preparations / mixtures.

Chemical identity of the substance	%W/W	CAS No.	EC No.	REACH Registration No.	Hazard classification
reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight $\leq$ 700)	$\geq$ 25	25068-38-6	500-033-5	Not yet assigned in the supply chain	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1; H317 Aquatic Chronic 2; H411
Carbon Black	< 5	1333-86-4	215-609-9	Not yet assigned in the supply chain	Not classified <sup>^</sup>

Notes: For full text of H phrases see section 16. <sup>^</sup>See Section: 11

## SECTION 4: FIRST AID MEASURES



### 4.1 Description of first aid measures

Self-protection of the first aider

Inhalation

No action should be taken involving personal risk. Wear appropriate personal protective equipment, avoid direct contact. Remove contaminated clothing immediately. If unconscious, place in recovery position and get medical attention immediately. Apply artificial respiration if necessary. Check the vital functions. Keep cool.

IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. IF exposed or concerned: Get medical advice/attention.

Skin Contact

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. If skin irritation or rash occurs: Get medical advice/attention.

Eye Contact

IF IN EYES: Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation develops and persists, get medical attention.

Ingestion

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Obtain immediate medical attention.

### 4.2 Most important symptoms and effects, both acute and delayed

Causes skin irritation. Causes eye irritation. May cause an allergic skin reaction. Heating can generate vapors that could cause headaches, nausea, dizziness, and respiratory irritation if inhaled.

### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically. No antidotes known.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1 Extinguishing media

Suitable Extinguishing media

Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions. Water spray, foam, dry powder or CO<sub>2</sub>.

Unsuitable extinguishing media

Do not use water jet. Direct water jet may spread the fire.

### 5.2 Special hazards arising from the substance or mixture

May give off noxious and toxic fumes in a fire. Combustion products: Carbon monoxide, Carbon dioxide, Oxides of nitrogen.

### 5.3 Advice for fire-fighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Chemical protection suit. Keep containers cool by spraying with water if exposed to fire. Evacuate if necessary. Do not allow run-off from fire fighting to enter drains or water courses.

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## S1125 Adhesive- Part B and S1264 Adhesive – Part B

### SECTION 6: ACCIDENTAL RELEASE MEASURES

- |            |  |   |
|------------|--|---|
| <b>6.1</b> | <b>Personal precautions, protective equipment and emergency procedures</b> | No action should be taken involving personal risk. Wear appropriate personal protective equipment, avoid direct contact. Remove contaminated clothing and wash all affected areas with plenty of water. |
| <b>6.2</b> | <b>Environmental precautions</b>   | Do not allow to enter drains, sewers or watercourses. Spillages or uncontrolled discharges into soil must be alerted to the appropriate regulatory body.  |
| <b>6.3</b> | <b>Methods and material for containment and cleaning up</b>                | Contain spillages. Cover spills with inert absorbent material. Recover the product where possible. Ventilate the area and wash spill site after material pick-up is complete.                           |
| <b>6.4</b> | <b>Reference to other sections</b>   | See Also Section: 8, 13.  |

### SECTION 7: HANDLING AND STORAGE

- |            |   |   |
|------------|---|---|
| <b>7.1</b> | <b>Precautions for safe handling</b>                                | When using do not eat or drink. Provide adequate ventilation when using the material and follow the principles of good occupational hygiene to control personal exposures. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not eat, drink or smoke when using this product. Avoid all contact. Remove contaminated clothing and wash clothing before reuse. |
| <b>7.2</b> | <b>Conditions for safe storage, including any incompatibilities</b> | Keep only in original packaging. Keep in a well ventilated place. Keep container closed.<br>Store in a cool/low-temperature, well-ventilated (dry) place away from heat and ignition sources.   |
|            | Storage temperature   | Stable at ambient temperatures.   |
|            | Storage life  | Stable at ambient temperatures.   |
|            | Incompatible materials  | Keep away from oxidising substances. Avoid contact with acids and alkalis.  |
| <b>7.3</b> | <b>Specific end use(s)</b>  | See Section: 1.2.   |

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- |              |                                     |  |
|--------------|-------------------------------------|--|
| <b>8.1</b>   | <b>Control parameters</b>           |  |
| <b>8.1.1</b> | <b>Occupational Exposure Limits</b> | The UK HSE (EH40) recommends the following limits for dusts: 10 mg/m <sup>3</sup> (8hr TWA) total inhalable dust; 5 mg/m <sup>3</sup> (8hr TWA) total respirable dust. |

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note
Kaolin	1332-58-7	-	2	-	-	WEL: Respirable Aerosol
Titanium dioxide	13463-67-7	-	10	-	-	WEL: Inhalable Aerosol
		-	4	-	-	WEL: Respirable Aerosol
Silane, dichlorodimethyl-, reaction products with silica [Silica, amorphous]	-	-	6	-	-	WEL: Inhalable Aerosol
		-	2.4	-	-	WEL: Respirable Aerosol
Carbon Black	1333-86-4	-	3.5	-	7	WEL

Source: WEL: Workplace Exposure Limit (UK HSE EH40). IOELV: Indicative Occupational Exposure Limit Value.

- |              |   |   |
|--------------|---|---|
| <b>8.1.2</b> | <b>Biological limit value</b>           | Not established.  |
| <b>8.1.3</b> | <b>PNECs and DNELs</b>                  | Not applicable<br>4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane - Not yet assigned in the supply chain<br>Carbon Black - Not yet assigned in the supply chain                              |
| <b>8.2</b>   | <b>Exposure controls</b>                |   |
| <b>8.2.1</b> | <b>Appropriate engineering controls</b> | Provide adequate ventilation when using the material and follow the principles of good occupational hygiene to control personal exposures. Take action to prevent static discharges. Keep away from fire, sparks and heated surfaces. |



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### 8.2.2 Personal protection equipment

Use personal protective equipment as required. Take care for general good hygiene and housekeeping. Avoid all contact. Avoid inhalation of vapours that may be evolved at elevated temperatures.

Eye/ face protection



Wear eye protection with side protection (EN166). Eyewash bottles should be available.

Skin protection (Hand protection/ Other)



#### Hand protection

Wear impervious gloves (EN374).

**Body protection** Wear impervious protective clothing, including boots, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory protection



In case of inadequate ventilation wear respiratory protection. Recommended: A self contained breathing apparatus may be appropriate.

Thermal hazards

Heating can generate vapors that could cause headaches, nausea, dizziness, and respiratory irritation if inhaled.

### 8.2.3 Environmental Exposure Controls

Avoid release to the environment. Spillages or uncontrolled discharges into soil must be alerted to the appropriate regulatory body.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance	Black Paste
Odour	Mild odour / Characteristic
Odour threshold	Not available
pH	Not determined
Melting point/freezing point	Not determined
Initial boiling point and boiling range	> 150 °C
Flash point	>240 °C [Closed cup]
Evaporation rate	Not determined
Flammability (solid, gas)	Not applicable
Upper/lower flammability or explosive limits	Not applicable
Vapour pressure	Not determined
Vapour density	Not determined
Relative density	1.31
Solubility(ies)	Water: Insoluble
Partition coefficient: n-octanol/water	Not determined
Auto-ignition temperature	Not determined
Decomposition Temperature	Not determined
Viscosity	Dynamic viscosity: 15 - 50 Pa.s (50 °C)
Explosive properties	Not explosive
Oxidising properties	Not oxidising

### 9.2 Other information

None known



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## S1125 Adhesive- Part B and S1264 Adhesive – Part B

### SECTION 10: STABILITY AND REACTIVITY

<b>10.1</b>	<b>Reactivity</b>	Stable under normal conditions.
<b>10.2</b>	<b>Chemical stability</b>	Stable under normal conditions.
<b>10.3</b>	<b>Possibility of hazardous reactions</b>	Hazardous polymerisation will not occur.
<b>10.4</b>	<b>Conditions to avoid</b>	Avoid prolonged storage at elevated temperature.
<b>10.5</b>	<b>Incompatible materials</b>	Keep away from oxidising substances. Avoid contact with acids and alkalis.
<b>10.6</b>	<b>Hazardous decomposition product(s)</b>	Combustion products: Carbon monoxide, Carbon dioxide, Oxides of nitrogen

### SECTION 11: TOXICOLOGICAL INFORMATION

<b>11.1</b>	<b>Information on toxicological effects</b>	
	<b>Acute toxicity - Oral</b>	Mixture: Based upon the available data, the classification criteria are not met. Calculated acute toxicity estimate (ATE) >2,000 mg/kg. Not classified - LD50 > 2 000 mg/kg bw/day (rat) OECD 420
	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700) Carbon Black	Not classified - LD50 > 10 000 mg/kg bw/day (rat) OECD 401
	<b>Acute toxicity - Dermal</b>	Mixture: Based upon the available data, the classification criteria are not met. Calculated acute toxicity estimate (ATE) >2,000 mg/kg. Not classified - LD50 > 2 000 mg/kg bw/day (rat) OECD 402
	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700) Carbon Black	Not classified - No data
	<b>Acute toxicity - Inhalation</b>	Mixture: Based upon the available data, the classification criteria are not met. Calculated acute toxicity estimate (ATE) > 5 mg/l Not classified - No data
	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700) Carbon Black	Not classified - Weight of evidence approach
	<b>Skin corrosion/irritation</b>	Mixture: Skin Irrit. 2; H315: Causes skin irritation.
	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700) Carbon Black	Skin Irrit. 2; H315: Causes skin irritation. EU Harmonised Classification SCL H315 ≥ 5%
	<b>Serious eye damage/irritation</b>	Not classified – Non-irritant (rabbit) OECD 404
	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700) Carbon Black	Mixture: Eye Irrit. 2; H319: Causes serious eye irritation.
	<b>Respiratory or skin sensitization</b>	Eye Irrit. 2; H319: Causes serious eye irritation. EU Harmonised Classification SCL H319 ≥ 5%
	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700) Carbon Black	Not classified – Non-irritant (rabbit) OECD 405
	<b>Germ cell mutagenicity</b>	Mixture: Skin Sens. 1; H317: May cause an allergic skin reaction.
	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700) Carbon Black	Skin Sens. 1; H317: May cause an allergic skin reaction. EU Harmonised Classification
	<b>Carcinogenicity</b>	Not classified – Skin: Negative Guinea pig OECD406
	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700) Carbon Black	Not classified –Respiratory sensitization: Negative Weight of evidence approach
		Mixture: Based upon the available data, the classification criteria are not met.
		Not classified - In vitro: Negative (Bacteria) OECD 472 In vivo: Negative (mouse) Chromosome aberration assay
		Not classified - In vitro: Negative (Bacteria) OECD 471 In vivo: Positive (mouse) OECD 476
		Mixture: Based upon the available data, the classification criteria are not met.
		No specific effects and/or symptoms have been reported or known.
		Oral: Not classified – NOEL (rat) 15-100 mg/kg OECD 453
		Dermal: Not classified – NOEL (mouse) 100 mg/kg OECD 453
		Not classified - Weight of evidence approach Not classified according to current CLP Regulations.
		Carbon black is listed by IARC as a Group 2B substance (possibly carcinogenic), but IARC monographs Vol. 65 and 93 state that there is inadequate evidence to classify carbon black as carcinogenic to humans. Additionally, IARC monograph Vol. 93 states that no significant exposure to carbon black is thought to occur during the use of products in which carbon black is bound to other materials, such as rubber, printing ink or paint. Carbon black in this mixture is in a bound form.



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## S1125 Adhesive- Part B and S1264 Adhesive – Part B

### Reproductive toxicity

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight  $\leq$  700)

Carbon Black

### STOT - single exposure

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight  $\leq$  700)

Carbon Black

### STOT - repeated exposure

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight  $\leq$  700)

Carbon Black

### Aspiration hazard

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight  $\leq$  700)

Carbon Black

### 11.2 Other information

Mixture: Based upon the available data, the classification criteria are not met.

No specific effects and/or symptoms have been reported or known.

Toxicity for reproduction: Not classified – NOAEL (rat) 50-540 mg/kg/d OECD 416 238 Days

Developmental Toxicity: Not classified – NOAEL (rat) > 540 mg/kg/d OECD 414 6-15 Days

Toxicity for reproduction: Not classified - Weight of evidence approach

Developmental Toxicity: Not classified - Weight of evidence approach

Mixture: Based upon the available data, the classification criteria are not met.

Not classified - No data

Not classified - No specific effects and/or symptoms have been reported or known. Inhalation: Weight of evidence approach

Mixture: Based upon the available data, the classification criteria are not met.

Oral: Not classified – NOAEL (rat) 50 mg/kg bw/day OECD 408 14week(s)

Inhalation: Not classified - No data

Dermal: Not classified - NOAEL (mouse) 100 mg/kg bw/day OECD 408 13week(s)

Oral: Not classified - No specific effects and/or symptoms have been reported or known (rat) study result 1985

Inhalation: Not classified - No effects observed NOAEL 1 mg/m<sup>3</sup> (rat) NOAEL 1 mg/m<sup>3</sup> (mouse) NOAEL 1 mg/m<sup>3</sup> (Hamster)

Dermal: Not classified - No specific effects and/or symptoms have been reported or known NOEL 20% (mouse) study result 1958

Mixture: Based upon the available data, the classification criteria are not met.

Not classified - Not applicable

Not classified - Not applicable

None.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight  $\leq$  700)

Mixture: Aquatic Chronic 2; H412: Harmful to aquatic life with long lasting effects.

Aquatic Chronic 2; H412: Harmful to aquatic life with long lasting effects. EU Harmonised Classification

### 12.2 Persistence and degradability

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight  $\leq$  700)

The product is likely to persist in the environment.

Not biodegradable (Hydrolysis rate – 82%, 28 days) OECD 301 F

Carbon Black

Not biodegradable - Inorganic

### 12.3 Bioaccumulative potential

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight  $\leq$  700)

The product has low potential for bioaccumulation.

BCF 3-31 QSAR

Log Kow  $\geq$  2.918 25 °C EU Method A8

Carbon Black

The substance has low potential for bioaccumulation.

### 12.4 Mobility in soil

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight  $\leq$  700)

The product is predicted to have low mobility in soil.

Log Koc 2.65 QSAR (SRC PCKOCWIN v2.0)

Distribution of: Air 0%, Sediment 1.9%, Soil 84.3%, Water 13.8% Mackay level III

Carbon Black

The substance is predicted to have low mobility in soil. Insoluble in water.

### 12.5 Results of PBT and vPvB assessment

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight  $\leq$  700)

No data for the mixture as a whole. None of the substances in this product fulfil the criteria for being regarded as a PBT or vPvB substance.

Not classified as PBT or vPvB.

Carbon Black

Not classified as PBT or vPvB.

### 12.6 Other adverse effects

Regulation (EC) N° 2037/2000 on substances that deplete the ozone layer: No components of the mixture are listed

Regulation (EC) No 517/2014: No components of the mixture are listed



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### SECTION 13: DISPOSAL CONSIDERATIONS

<b>13.1 Waste treatment methods</b>	Dispose of wastes in an approved waste disposal facility. Recover or recycle if possible.
Waste code(s) / waste designation(s)	08 04 09 20 01 27 Packaging waste: 15 01 10
<b>13.2 Additional Information</b>	Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

### SECTION 14: TRANSPORT INFORMATION

	<b>Road/Rail (ADR/RID)</b>	<b>Sea transport (IMDG)</b>	<b>Air (ICAO/IATA)</b>
<b>14.1 UN number</b>	UN3082	UN3082	UN3082
<b>14.2 UN proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product: Bisphenol – A – (epichlorhydrin) epoxy resin (number average molecular weight ≤ 700))	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product: Bisphenol – A – (epichlorhydrin) epoxy resin (number average molecular weight ≤ 700))	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product: Bisphenol – A – (epichlorhydrin) epoxy resin (number average molecular weight ≤ 700))
<b>14.3 Transport hazard class(es)</b>	9	9	9
Classification code:	90	Not applicable	Not applicable
Hazard Identification Number	M6	Not applicable	Not applicable
<b>14.4 Packing group</b>	III	III	III
<b>14.5 Environmental hazards</b>	Environmentally hazardous substance	Classified as a Marine Pollutant.	Environmentally hazardous substance
<b>14.6 Special precautions for user</b>			
Special Provisions	274, 335, 375, 601	274, 335, 375, 601	A97, A158, A197
Limited Quantities	5L	5L	30kg G
Excepted Quantities	E1	E1	Not applicable
<b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not applicable		
<b>14.8 Additional Information</b>	None known		

### SECTION 15: REGULATORY INFORMATION

<b>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	
<b>15.1.1 EU regulations</b>	
Authorisations and/or Restrictions On Use	None.
Volatile Organic Compound Content (%):	0%
<b>15.1.2 National regulations</b>	
Wassergefährdungsklasse (Germany)	Water hazard class: 2 (Self classification)
<b>15.2 Chemical Safety Assessment</b>	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700): Not yet assigned in the supply chain Carbon Black: Not yet assigned in the supply chain





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### SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: New SDS Regulation 2015/830 format, all sections have been updated to include new information. Please review SDS with care.

Version: 25-MAY-2018

Date of preparation: 25-MAY-2018

Date Previous Issue: 14-NOV-2014

EU Classification: This Safety Data Sheet was prepared in accordance with EC Regulation (EC) 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830.

#### References:

Existing Safety Data Sheet (SDS). Existing ECHA registration(s) for reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight  $\leq 700$ ) (CAS No. 25068-38-6), Carbon Black (CAS No. 1333-86-4). EU Harmonised Classification(s) for bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight  $\leq 700$ ) (CAS No. 25068-38-6).

Classification of the substance or mixture According to Regulation (EC) No. 1272/2008 (CLP)	Classification Procedure
Skin Irrit. 2; H315	Threshold Calculation
Skin Sens. 1; H317	Threshold Calculation
Eye Irrit. 2; H319	Threshold Calculation
Aquatic Chronic 2; H411	Summation Calculation

#### LEGEND

ADR/RID	ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road / RID: Regulations concerning the international railway transport of dangerous goods
BCF	Bioconcentration factor (BCF)
CAS	CAS: Chemical Abstracts Service
DNEL	Derived No Effect Level
EC	EC: European Community
EU	European Union
IATA	IATA: International Air Transport Association
ICAO/IATA	ICAO: International Civil Aviation Organization / IATA: International Air Transport Association
IMDG	IMDG: International Maritime Dangerous Goods
LTEL	Long Term Exposure Limit
NOEC	No Observed Effect Concentration
NOAEL	no observed adverse effect level
OECD	Organisation for Economic Cooperation and Development
PBT	PBT: Persistent, Bioaccumulative and Toxic
PNEC	Predicted No Effect Concentration
STEL	Short Term Exposure Limit
UN	United Nations
vPvB	vPvT: very Persistent and very Toxic

#### Hazard classification / Classification code:

Skin Irrit. 2; Skin corrosion/irritation, Category 2  
Skin Sens. 1; Skin Sensitisation, Category 1  
Eye Irrit. 2; Eye Irritation, Category 2  
Aquatic Chronic 2; Hazardous to the aquatic environment, Chronic, Category 2

#### Hazard Statement(s)

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.

Training advice: Consideration should be given to the work procedures involved and the potential extent of exposure as they may determine whether a higher level of protection is required.

#### Disclaimers

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