



7 William Lewis Drive  
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## SAFETY DATA SHEET

S1220 Part B

Compilation date: 04/06/2016  
Revision 1

### Section 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product Identifier

Product name: S1220 Part B

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Use of substance/mixture:** SU3: Industrial uses: Uses of substances as such or in preparations at industrial sites;

PC1: Adhesives, sealants;

#### 1.3. Details of the supplier of the safety data sheet

**Company Name:** Award Plastics & Displays  
7 William Lewis Drive  
Sockburn  
Christchurch 8042  
**Ph:** 0064 3 374 5500 or 0800 426 292  
**Email:** [info@awardplastics.co.nz](mailto:info@awardplastics.co.nz)  
**Website:** [www.awardplastics.co.nz](http://www.awardplastics.co.nz)

### Section 2: Hazard Identification

#### 2.1. Classification of the substance or mixture

**Classification 1999/45/EC:** F; R11; Xi; R36/37/38-43

**Main Hazards:** Highly Flammable. Irritating to eyes, respiratory system and skin. May cause sensitization by skin contact

**Classification EC 1272/2008** Flam. Liq. 2: H225; Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Irrit. 2: H319; Acute Tox. 4: H332;

STOT SE 3: H335; Aquatic Chronic 3: H412; Aquatic Chronic 3: H412

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**Hazard Statements:** Flam. Liq. 2: H225 – Highly Flammable liquid and vapour  
Skin Irrit. 2: H315 – Causes skin irritation  
Skin Sens. 1: H317 – May cause an allergic skin reaction.  
Eye Irrit. 2: H319 – Causes serious eye irritation  
STOT SE 3: H335 – May cause respiratory irritation  
Aquatic Chronic 3: H412 – Harmful to aquatic life with long lasting effects

**Hazard pictograms:****Signal words:** Danger

**Precautionary statements:** P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

**Prevention**

P233: Keep container tightly closed

P240: Ground/bond container and receiving equipment

P241: Use explosion-proof electrical/ ventilating/lighting/ equipment.

P242: Use only non-sparking tools

P243: Take precautionary measures against static discharge

P261: Avoid breathing dust/fumes/gas/mist/vapours/spray.

P264: Wash thoroughly after handling

P271: Use only outdoors or in a well-ventilated area.



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P272: Contaminated work clothing should not be allowed out of the workplace

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/ face protection.

### Precautionary statements:

P302+P352: IF ON SKIN: Wash with plenty of water

### Response

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rise skin with water/shower

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 so. Continue rinsing.

P312: Call a POISON CENTER/Doctor/ if you feel unwell

P321: Specific treatment (see on this label).

P332+P313 If skin irritation occurs: Get medical advice/attention

P333+P313: If skin irritation or rash occurs. Get medical advice/attention

P337+P313: If eye irritation persists: Get medical advice/attention

P370+P378: In case of fire. Use.... To extinguish

### Precautionary statements:

P403+P233: Store in well-ventilated place. Keep container tightly closed

### Storage

P403+P235: Store in a well-ventilated place. Keep cool.

P405: Store locked up.

### Precautionary statements:

P501: Dispose of contents/ container to hazardous waste collection point. Refer to section 13.1 for waste treatment methods.

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### 2.3. Other Hazards

**PBT:** This product is not identified as a PBT/vPvB substance

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

67/548/EEC/1999/45/EC:

Chemical Name	Index No:	CAS No:	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Triethylborane-diethylenetriamine complex		1187733-83-0			1-10%	C; R35
Methyl methacrylate	607-035-00-6	80-62-6	201-297-1	01-2119452498-28	70-80%	F; R11 Xi; R37/38 R43
2,2'-Iminodiethylamine (2,2-Iminodi(ethylamine))	612-058-00-X	111-40-0	203-865-4		0-0.5%	Xn; R21/22C; R34 R43
Butylated Hydroxytoluene (2,6-Di-tert-butyl-p-cresol)		128-37-0		01-2119555270-46	0 – 0.5%	R53
1,3-Diaminopropane		109-76-2	203-702-7		0 – 0.5%	T; R24 C; R35 Xn; R22 R10

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### EC 1272/2008:

Chemical Name	Index No:	CAS No:	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Triethylborane-diethylenetriamine Complex		1187733-83-0			1 – 10%	Acute Tox. 4: H302+H312; Skin Corr. 1C: H314; Skin Sens. 1: H317; Acute Tox. 2: H330; STOT SE 3: H335
Methyl methacrylate	607-035-00-6	80-62-6	201-297-1	01-2119452498-28	70 – 80%	Flam.Liq. 2: H225; STOT SE 3: H335; Skin Irrit. 2: H315; Skin Sens. 1: H317;
2,2'-Iminodiethylamine (2,6-Di-tert-butyl-p-cresol)	612-058-00-X	111-40-0	203-865-4		0 – 0.5%	Acute Tox. 4: H312; Acute Tox. 4: H302; Skin Corr. 1B: H314; Skin Sens. 1: H317;
Butylated Hydroxytoluene (2,6-di-tert-butyl-p-cresol)		128-37-0		01-2119555270-46	0 – 0.5%	Aquatic Chronic 1: H410;
1,3-Diaminopropane		109-76-2	203-702-7		0 – 0.5%	Flam. Liq. 3: H226; Acute Tox. 4: H302; Acute Tox. 2: H310; Skin Corr. 1B: H314;

### Section 4: First aid measures

#### 4.1. Description of first aid measures

##### Skin Contact:

Remove the affected person from the source of contamination immediately. Remove contaminated clothing. Wash off immediately with plenty of soap and water. Seek medical attention if irritation or symptoms persist.

##### Eye Contact:

Remove the affected person from the source of contamination immediately. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Immediate medical attention is required.

##### Ingestion:

DO NOT INDUCE VOMITTING. Never give anything by mouth to an unconscious person. Rinse mouth thoroughly. Move the exposed person to fresh air. Keep the affected person warm and at rest. If swallowed, seek medical advice immediately and show this container or label.

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**Inhalation:** Move affected person to fresh air at once. Rinse nose and mouth with water. Never give anything by mouth to an unconscious person. Do not induce vomiting. Keep affected person warm and at rest. Get medical attention immediately.

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

**Skin Contact:** Irritating to eyes.

**Eye Contact:** May cause irritation to eyes. May cause irritation to mucous membranes

**Ingestion:** May cause stomach pain or vomiting

**Inhalation:** inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Inhalation of vapour may cause shortness of breath.

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

If you feel unwell, seek medical advice (show the label where possible)

**Section 5. Fire-fighting measures****5.1. Extinguishing media**

**Extinguishing media:** Use as appropriate: Carbon dioxide (CO<sub>2</sub>), Dry chemical, Foam

**5.2. Special hazards arising from the substance or mixture**

**Exposure hazards:** Vapour may travel considerable distance to source of ignition and flash back. Burning produces irritating, toxic and obnoxious fumes. Highly Flammable

**5.3. Advice for fire-fighters**

**Advice for fire-fighters:** Self-contained breathing apparatus. Wear protective clothing. In case of fire and/or explosion do not breathe fumes. Control run off water by containing and keeping it out of sewers and watercourses.

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**Person precautions:** Ensure adequate ventilation of the working area. Evacuate the personnel to safe area. Eliminate all sources of ignition. Wear suitable protective equipment.

**6.2. Environmental precautions**

**Environmental precautions:** Do not allow product to enter drains. Prevent further spillage if safe.

**6.3. Methods and material for containment and cleaning up**

**Clean-up procedures:** Absorb with inert, absorbent material. Transfer to suitable, labeled containers for disposal. Clean spillage area thoroughly with plenty of water

**6.4. Reference to other sections**

**Reference to other sections:** refer to section 8 of SDS for personal protection details. If outside do not approach from downwind, keeping bystanders also upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorized personnel. Turn leaking containers leak side up to prevent escape of liquid.

**Section 7: Handling and storage****7.1. Precautions for safe handling**

**Handling requirements:** Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Use explosion proof equipment. Keep away from sources of ignition – No Smoking

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### 7.2. Conditions for safe storage, including any incompatibilities

**Storage conditions:** Keep in cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labeled containers.

### 7.3. Specific end use(s)

**Specific end use(s):** Industrial use resulting in manufacture of another substance (use of intermediates). Industrial uses: Uses of substances as such or in preparations at industrial sites.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Exposure limit values:**

<b>2,2'-Iminodiethylamine (2,2'-Iminodi(ethylamine))</b>	WEL 8-hr limit ppm:	1	WEL 8-hr limit mg/m3:	4.3
	WEL 15 min limit ppm:	-	WEL 15 min limit mg/m3	-
	WEL 8-hr limit mg/m3 total		WEL 15 min limit mg/m3 total	
	Inhalable dust:	-	Inhalable dust:	-
	WEL 8-hr limit mg/m3 total		WEL 15 min limit mg/m3 total	
	Respirable dust:	-	Respirable dust:	-
<b>Butylated Hydroxytoluene (2,6-Di-tert-butyl-p-cresol)</b>	WEL 8-hr limit ppm:	-	WEL 8-hr limit mg/m3:	10
	WEL 15 min limit ppm:	-	WEL 15 min limit mg/m3	-
	WEL 8-hr limit mg/m3 total		WEL 15 min limit mg/m3 total	
	Inhalable dust:	-	Inhalable dust:	-
	WEL 8-hr limit mg/m3 total		WEL 15 min limit mg/m3 total	
	Respirable dust:	-	Respirable dust:	-
<b>Methyl Methacrylate</b>	WEL 8-hr limit ppm:	50	WEL 8-hr limit mg/m3:	208
	WEL 15 min limit ppm:	100	WEL 15 min limit mg/m3	416
	WEL 8-hr limit mg/m3 total		WEL 15 min limit mg/m3 total	
	Inhalable dust:	-	Inhalable dust:	-
	WEL 8-hr limit mg/m3 total		WEL 15 min limit mg/m3 total	
	Respirable dust:	-	Respirable dust:	-

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### 8.2. Exposure controls



#### Appropriate Engineering Controls:

Ensure there is sufficient ventilation of the area.

#### Individual protection measures:

Wear chemical protective clothing. Wash hands at the end of each work shift and before eating smoking, and using the toilet. Wash immediately with soap and water if skin becomes contaminated. Promptly remove any clothing that becomes wet or contaminated. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit. Emissions from ventilation or work from process equipment should be checked to ensure they comply with the requirements of the environmental protection legislation.

#### Respiratory protection:

in case of insufficient ventilation, wear suitable respiratory equipment.

#### Hand protection:

Chemical resistant gloves (PVC)

#### Eye Protection:

Approved safety goggles. Face shield. Provide eye wash station.

#### Skin Protection:

Chemical resistant gloves (PVC)



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### Section 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

<b>Odour threshold:</b>	no data available
<b>Melting Point:</b>	no data available
<b>Freezing Point:</b>	No data available
<b>Initial boiling point:</b>	No data available
<b>Flash Point:</b>	11°C
<b>Evaporation rate:</b>	No data available
<b>Flammability (solid, gas)</b>	no data available
<b>Vapour pressure:</b>	no data available
<b>Vapour Density</b>	no data available
<b>Relative density:</b>	no data available
<b>Fat solubility:</b>	no data available
<b>Partition coefficient:</b>	no data available
<b>Auto ignition temperature:</b>	no data available
<b>Viscosity:</b>	>6000 mPas (Cone & Plate)
<b>Oxidising properties:</b>	no data available
<b>Solubility:</b>	no data available

#### 9.2. Other Information

<b>Conductivity:</b>	no data available
<b>Surface Tension:</b>	no data available
<b>Gas Group:</b>	no data available

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### Toxicity Values:

<b>1,3-Diaminopropane</b>	Oral Rat LD50: 700mg/kg	Dermal Rat LD50: 177mg/kg
<b>2,2'- Iminodiethylamine</b>	Oral Rat LD50: 1553mg/kg	Dermal Rabbit LD50: 1045mg/kg
<b>Butylated Hydroxytoluene</b>	Oral Rat LD50: 1700mg/kg Dermal Guinea Pig LD50: >8000mg/kg	Oral Mouse LD50: 800-1600mg/kg
<b>Cumene Hydroperoxide</b>	Inhalation Rat LC50/4 h: 220ppm	Oral Mouse LD50: 800-1600mg/kg
<b>Methyl Methacrylate</b>	Dermal Rat LD50: 5000 mg/kg	

**Other information:** Extensive use of the product in areas with inadequate ventilation may result in the accumulation of hazardous vapour concentrations.

### Section 12: Ecological Information

#### 12.1 Toxicity

<b>1,3-Diaminopropane</b>	Daphnia EC50/48h: 27 mg/l	Fish LC50/96h: 1190 mg/l
<b>2,2'- Iminodiethylamine</b>	Daphnia EC50/48h: 64.2000 mg/l Algae EC 50/72h: 1164MG/L	Fish LC50/96h: 430.0000 mg/l Bacteria EC10/18h: 0.4MG/L
<b>Butylated Hydroxytoluene</b>	Daphnia EC50/48h: 1.4400 mg/l	
<b>Cumene Hydroperoxide</b>	Fish LC50/96h: 3.9000 mg/l	
<b>Methyl Methacrylate</b>	Daphnia EC 50/48h: 69 mg/l	Fathead minnows LC50/96h 130mg/l

**Conclusion:** Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

#### 12.2 Persistence and degradability

**Persistence and degradability:** The product is potentially degradable.

#### 12.3 Bioaccumulative potential

**Bioaccumulative potential:** No data is available on this product.

**BCF Bioconcentration factor:**

<b>2,2'- Iminodiethylamine</b>	BCF: Bioconcentration factor. <6.3 L/kg
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**IMDG** \_\_\_\_\_ **3**

**Subsidiary risk** -

**IATA** \_\_\_\_\_ **3**

**Subsidiary risk** \_\_\_\_\_ -

## 14.4 Packing group

Packing group: II

## 14.5 Environmental hazards

Environmentally hazardous: No Marine Pollutant: No

**ADR/RID** \_\_\_\_\_

Hazard ID 33

Tunnel Category (D/E)

**IMDG** \_\_\_\_\_

EmS Code F-E-S-D

**IATA** \_\_\_\_\_

Packing Instruction (Cargo) 364

Maximum quantity 60L

Packing Instruction 353

(Passenger)

Maximum quantity 5L

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COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC. REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

**Section 16: Other Information****Other Information:**

**Other information:** This document differs from the previous version in the following areas:

2 – 2.1 Classification of the substance or mixture

12 – 12.1.2 Classification – EC 1272/2008

2 – Precautionary Statement: Disposal

12 – 12.1 Toxicity.

15 – Risk phrases.

**Phrases used in s.3:**

R10 – Flammable

R11 – Highly Flammable

R21/22 – Harmful in contact with skin and if swallowed

R22 - Harmful if swallowed

R34 – Causes burns

R35 – Causes severe burns.

R37/38 – Irritating to respiratory system and skin

R43 – May cause sensitization by skin contact.

R53 – May cause long-term adverse effects in the aquatic environment



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**Text of Hazard Statements in Section 3:** Acute Tox. 4: H302+H312 – Harmful if swallowed or in contact with skin

Skin Corr. 1C: H314 – Causes severe skin burns and eye damage

Skin Sens. 1: H317 – May cause an allergic skin reaction.

Acute Tox. 2: H330 – Fatal if inhaled

STOT SE 3: H335 – May cause respiratory irritation.

Flam. Liq. 2: H225 – Highly flammable liquid and vapour

Skin Irrit. 2: H315 – Causes skin irritation

Acute Tox. 4: H302 – Harmful if swallowed

Acute Tox. 4: H312 – Harmful in contact with skin.

Skin Corr. 1B: H314 – Causes severe skin burns and eye damage.

Aquatic Chronic 1: H410 – Very toxic to aquatic life with long lasting effects.

Flam. Liq. 3: H226 – Flammable liquid and vapour.

Acute Tox. 2: H310 – Fatal in contact with skin

**Legal Disclaimer:**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product