



# Bondaglass-Voss Ltd

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**APW**

## HEALTH AND SAFETY DATA SHEET

### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### *Product identifier*

**Trade name:** APW RELEASE AGENT

**Relevant identified uses of the substance or mixture and uses advised against** Not determined  
**Application of the substance / the mixture release agent**

#### *Details of the supplier of the safety data sheet*

##### **Manufacturer/Supplier:**

Bondaglass-Voss Ltd  
158-160 Ravenscroft Road  
Beckenham  
Kent  
BR3 4TW  
Email: [bondaglass@btconnect.com](mailto:bondaglass@btconnect.com)

### 2. HAZARDS IDENTIFICATION

#### *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**



**GHS07**      **GHS09**

##### **Signal word** Warning

##### **Hazard statements**

**H319** Causes serious eye irritation.

**H410** Very toxic to aquatic life with long lasting effects.

##### **Precautionary statements**

**P280**      Wear protective gloves / eye protection.

**P273**      Avoid release to the environment.

**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.

**P391**      Collect spillage.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical characterization: Mixtures**

**Description:** Mixture of substances listed below with nonhazardous additions.

· <b>Dangerous components:</b>		
CAS: 90640-32-7	Amine, C16-18-Alkyl-	1-5%
EINECS: 292-550-5	Xn R48/20;  Xi R38-41;  N R50	
Reg.nr.: 01-2119473799-15	STOT RE 2, H373;  Eye Dam. 1, H318;  Aquatic Acute 1, H400;  Skin Irrit. 2, H315	

### 4. FIRST AID MEASURES

**Description of first aid measures**

**General information:**

Immediately remove any clothing soiled by the product.

If medical advice is needed have product or container at hand

In case of unconsciousness place patient stably in side position for transportation.

**After inhalation:**

Take affected persons into fresh air and keep quiet.

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

**After skin contact:**

Immediately wash with water and soap and rinse thoroughly. Use skin protection cream for skin protection.

If skin irritation continues, consult a doctor.

**After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.

**After swallowing:** Do not induce vomiting; call for medical help immediately.

### 5. FIREFIGHTING MEASURES

**Extinguishing media**

**Suitable extinguishing agents:**

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**For safety reasons unsuitable extinguishing agents:** Water with full jet

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

Formation of toxic gases is possible during heating or in case of fire. In case of fire, the following can be released:

Carbon monoxide and carbon dioxide

**Advice for firefighters**

**Protective equipment:**

Do not inhale combustion gases.

Wear self-contained breathing apparatus

**Additional information**

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations. Collect contaminated fire fighting water separately. It must not enter the sewage system.

### 6. ACCIDENTAL RELEASE MEASURES

· **Personal precautions, protective equipment and emergency procedures**

Keep away from ignition sources. Ensure adequate ventilation

Do not inhale fumes.

Avoid contact with the eyes and skin.

· **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

· **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13.

· **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.

## 7. HANDLING AND STORAGE

**Handling:**

**Precautions for safe handling**

Ensure good ventilation at the workplace.

Avoid contact with the eyes and skin.

Store in cool, dry place in closed containers.

**Information about fire - and explosion protection:**

Keep ignition sources away - Do not smoke.

**Conditions for safe storage, including any incompatibilities**

**Storage:**

**Requirements to be met by storerooms and receptacles:** Store only in the original container.

**Information about storage in one common storage facility:** Store away from oxidizing agents.

**Recommended storage temperature:** + 10 °C - + 30 °C

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Additional information about design of technical facilities:** No further data; see item 7.

**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.

**Exposure controls**

**Personal protective equipment:**

**General protective and hygienic measures:**

Do not eat, drink, smoke while working.

Use skin protection cream..

Keep away from food..

Wash hands before breaks and at the end of work.

Do not inhale fumes.

**Respiratory protection:**

Ensure good ventilation at the workplace.

**Protection of hands**

To avoid skin problems wear gloves.

Check the permeability prior to each use of glove

**Eye Protection:** Safety glasses

**Body Protection:** Protective work clothing

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

**General Information**

**Appearance:**

**Form:** Pasty

**Colour:** Light yellow

**Odour:** Characteristic

· <b>Change in condition</b> <i>Melting point/Melting range:</i> > 30 °C <i>Boiling point/Boiling range:</i> > 300 °C	
· <b>Flash point:</b>	> 100 °C
· <b>Ignition temperature:</b>	> 250 °C
· <b>Self-igniting:</b>	Product is not selfigniting.
· <b>Danger of explosion:</b> <i>air/vapour</i>	Product is not explosive. However, formation of explosive
· <b>Vapour pressure at 20 °C:</b>	< 20 hPa
· <b>Density at 20 °C:</b>	0.9 g/cm <sup>3</sup>
· <b>Solubility in / Miscibility with water at 20 °C:</b>	< 0.1 g/l
· <b>Other information</b>	No further relevant information available.

## 10. STABILITY AND REACTIVITY

- **Reactivity** No decomposition if used according to specifications.
- **Chemical stability** No decomposition if used and stored according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** Reacts with oxidizing agents.
- **Hazardous decomposition products:** No decomposition if used and stored according to specifications.

## 11. TOXICOLOGICAL INFORMATION

- **Information on toxicological effects**
- **Acute toxicity:**

- **LD/LC50 values relevant for classification:**

Oral	LD50	> 2000, mg/kg (rat) (calculated)
Dermal	LD50	> 2000 mg/kg (rabbit) (calculated)
Inhalative	LC50 /4h	> 20 mg/l (rat) (calculated)

### 90640-32-7 Amine, C16-18-Alkyl-

Oral	LD 50	>2000 mg/kg (rat)
Dermal	LD 50	>2000 mg/kg (rat)

- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritating effect.
- **Subacute to chronic toxicity:** No further relevant information available.
- **Sensitisation** No sensitizing effects known.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**  
No further relevant information available.

## 12. ECOLOGICAL INFORMATION

### 90640-32-7 Amine, C16-18-Alkyl-

EC50/48h	0.13 mg/l (daphnia magna)
EC50/72h	0.12 mg/l (desmodesmus subspicatus)
LC50/96h	0.88 mg/l (danio rerio)

- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**

- **Bioaccumulative potential**

<b>90640-32-7 Amine, C16-18-Alkyl-</b>	
log Pow	7.6 (-)

- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### 13. DISPOSAL CONSIDERATIONS


· <b>Aquatic toxicity:</b>	
EC50/48h	> 10 - < 100 mg/l (daphnia magna) (calculated)
EC50/72h	> 10 - < 100 mg/l (Pseudokirchneriella subcapitata) (calculated)
LC50/96h	> 10 - < 100 mg/l (poecilia reticulata) (calculated)

- **Waste treatment methods**
- **Recommendation**  
Disposal must be made according to official regulations.

Must not be disposed together with household waste. Do not allow product to reach sewage system.

· <b>European waste catalogue</b>	
07 02 15	wastes from additives other than those mentioned in 07 02 14
15 01 06	mixed packaging

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

· <b>14.1 UN-Number</b>	
· <b>ADR, IMDG, IATA</b>	UN3077
· <b>14.2 UN proper shipping name</b>	
· <b>ADR</b>	Void
· <b>IMDG</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Amine, C16-18-Alkyl-), MARINE POLLUTANT
· <b>IATA</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Amine, C16-18-Alkyl-)
· <b>14.3 Transport hazard class(es)</b>	
· <b>ADR, IMDG, IATA</b>	
	
· <b>Class</b>	9 Miscellaneous dangerous substances and articles.
· <b>Label</b>	9
· <b>14.4 Packing group</b>	
· <b>ADR, IMDG, IATA</b>	III

## 15. REGULATORY INFORMATION

- *Safety, health and environmental regulations/legislation specific for the substance or mixture*
- *National regulations:*
- *Information about limitation of use:*  
*Employment restrictions concerning pregnant and lactating women must be observed. Employment restrictions concerning juveniles must be observed.*
- *Chemical safety assessment: A Chemical Safety Assessment has not been carried out.*

## 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**

*H304 May be fatal if swallowed and enters airways.*

*H315 Causes skin irritation.*

*H318 Causes serious eye damage.*

*H373 May cause damage to organs through prolonged or repeated exposure*

*H400 Very toxic to aquatic life.*

*H410 Very toxic to aquatic life with long lasting effects.*

*R48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.*

*R65 Harmful: may cause lung damage if swallowed.*

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### **Disclaimer**

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.

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