



# Bondaglass-Voss Ltd

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**AFH RELEASE  
AGENT**

## HEALTH AND SAFETY DATA SHEET

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

**Product identifier**

**Product name:** AFH RELEASE AGENT

**Use 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. HAZARD IDENTIFICATION

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

**Classification under CHIP:** -: R10; -: R52/53; Xn: R65; -: R66; -: R67

**Classification under CLP:** Asp. Tox. 1: H304; STOT SE 3: H336; Aquatic Chronic 3: H412; Flam. Liq. 3: H226; STOT SE 3: H335

**Most important adverse effects:** Flammable. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Harmful: may cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

**2.2 Label elements**

**Label elements under CLP:**

**Hazard statements:** H226: Flammable liquid and vapour.

H304: May be fatal if swallowed and enters airways. H335: May cause respiratory irritation.

H336: May cause drowsiness or dizziness.

H412: Harmful to aquatic life with long lasting effects.

**Signal words:** Harmful

**Hazard pictograms:** GHS02: Flame  
GHS07: Exclamation mark  
GHS08: Health hazard



**Precautionary statements:**

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

P370+378: In case of fire: Use water spray for extinction.

P303+361+353: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower.

P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor.

P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P331: Do NOT induce vomiting.

**Label elements under CHIP:**

**Hazard symbols:** Harmful.



**Risk phrases:**

R10: Flammable.

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65: Harmful: may cause lung damage if swallowed.

R66: Repeated exposure may cause skin dryness or cracking.

R67: Vapours may cause drowsiness and dizziness.

**Safety phrases:**

S62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

**Other hazards**

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

**3 COMPOSITION/INFORMATION ON INGREDIENTS**

ISONONANES AND NONANE - REACH registered number(s): 01-2119471843-32-XXXX

EINECS	CAS	CHIP Classification	CLP Classification	Percent
-	-	-: R10; Xn: R65; -: R66; -: R67	Flam. Liq. 3: H226; STOT SE 3: H335; STOT SE 3: H336; Asp. Tox. 1: H304; Aquatic Chronic 3: H412; -: EUH066	>20%

**PENTANE**

203-692-4	109-66-0	F+: R12; N: R51/53; Xn: R65; -: R66; -: R67	Flam. Liq. 2: H225; Asp. Tox. 1: H304; STOT SE 3: H336; Aquatic Chronic 2: H411; -: EUH066	5-20%
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#### 4. FIRST AID MEASURES

##### 4.1. Description of first aid measures

Skin contact:	Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Consult a doctor.
Eye contact:	Bathe the eye with running water for 15 minutes. Consult a doctor.
Ingestion:	Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.
Inhalation:	Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

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

Skin contact:	There may be irritation and redness at the site of contact.
Eye contact:	There may be irritation and redness. The eyes may water profusely.
Ingestion:	There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting.
Inhalation:	There may be irritation of the throat with a feeling of tightness in the chest.
Delayed / immediate effects:	Immediate effects can be expected after short-term exposure.

##### 4.3 indication of any immediate medical attention and special treatment needed.

**Immediate / special treatment:** Not applicable.

#### 5 FIREFIGHTING MEASURES

##### 5.1 Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

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

Exposure hazards: In combustion emits toxic fumes.

##### 5.3 advise for firefighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

#### 6. ACCIDENTAL RELEASE MEASURES

##### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

##### 6.2 Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

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

**Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

**6.4 Reference to other sections:** Refer to section 8 of SDS

## 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air.

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

**Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed. The floor of the storage room must be impermeable to prevent the escape of liquids.

### 7.3. Specific end use(s)

**Specific end use(s):** No data available.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

**hazardous Ingredients:**

#### PENTANE

#### Workplace exposure limits:

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	1800 mg/m <sup>3</sup>	-	-	-

#### DNEL / PNEC VALUES

DNEL / PNEC No data available.

### 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area. The floor of the storage room must be impermeable to prevent the escape of liquids.

**Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency.

**Hand protection:** Impermeable gloves.

**Eye protection:** Safety glasses. Ensure eye bath is to hand.

**Skin protection:** Impermeable protective clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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

<b>State</b>	Liquid	
<b>Colour</b>	White	
<b>Odour:</b>	Characteristic odour	
<b>Evaporation rate:</b>	Fast	
<b>Viscosity:</b>	Non-viscous	
<b>Kinematic viscosity:</b>	<=20.5	
<b>Viscosity test method:</b>	Kinematic viscosity in 10 <sup>-6</sup> m <sup>2</sup> /s at 40°C (ISO 3104/3105)	
<b>Flash point°C:</b>	23 - 55	Relative density: 0.765
<b>VOC g/l:</b>	74	

### 9.2 Other information

**Other information:** Not applicable

## 10 STABILITY AND REACTIVITY

- 10.1 Reactivity:** Stable under recommended transport or storage conditions.
- 10.2 Chemical stability:** Stable under normal conditions.
- 10.3 Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.
- 10.4. Conditions to avoid** Heat.
- 10.5 Incompatible materials**
- Materials to avoid:** Strong oxidising agents. Strong acids.
- 10.6 Hazardous decomposition products**
- Haz. decomp. products:** In combustion emits toxic fumes.

## 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological Hazardous ingredients:

#### ISONONANES AND NONANE

DERMAL	RBT	LD50	>5000	mg/kg
ORAL	RAT	LD50	>5000	mg/kg
VAPOURS	RAT	4H LC50	>4951	mg/l

#### PENTANE

IVN	MUS	LD50	446	mg/kg
ORL	RAT	LD50	400	mg/kg

### Symptoms / routes of exposure

- Skin contact:** There may be irritation and redness at the site of contact.
- Eye contact:** There may be irritation and redness. The eyes may water profusely.
- Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting.
- Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.
- Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.
- Toxicity values:** No data available.

## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

#### Hazardous ingredients:

#### ISONONANES AND NONANE

ALGAE	72H ErC50	>1000	mg/l
Daphnia magna	48H EC50	>22<46	mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	96H LC50	>10<30	mg/l

**12.2. Persistence and degradability**

**Persistence and degradability:** Not biodegradable.

**12.3 Bioaccumulative potential:** Bioaccumulation potential.

**12.4 Mobility in soil** Readily absorbed into soil.

**12.5. Results of PBT and vPvB assessment**

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

**12.6. Other adverse effects** Toxic to aquatic organisms. Toxic to soil organisms.

**13: Disposal considerations****13.1. Waste treatment methods**

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**14. TRANSPORT INFORMATION**

**14.1. UN number:** UN3295

**14.2. UN proper shipping name**

**Shipping name:** HYDROCARBONS, LIQUID, N.O.S.  
(ISONONANES AND NONANE; PENTANE)

**14.3. Transport hazard class(es)** Transport class: 3

**14.4. Packing group** Packing group: III

**14 .5. Environmental hazards** **Environmentally hazardous:** No **Marine pollutant:** No

**14.6. Special precautions for user** No special precautions.

**Tunnel code:** D/E

**Transport category:** 3

**15. REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.2. Chemical Safety Assessment**

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

**16: OTHER INFORMATION**

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

**Phrases used in s.2 and s.3:**

EUH066: Repeated exposure may cause skin dryness or cracking.

H225: Highly flammable liquid and vapour.

H226: Flammable liquid and vapour.

H304: May be fatal if swallowed and enters airways.

H335: May cause respiratory irritation.

H336: May cause drowsiness or dizziness.

H411: Toxic to aquatic life with long lasting effects.

H412: Harmful to aquatic life with long lasting effects.

R10: Flammable.

R12: Extremely flammable.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

**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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