



SAFETY DATA SHEET STP® BLOSEAL

According to Regulation (EU) No 453/2010

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

1.1. Product identifier

Product name STP® BLOSEAL
Product No. 74300

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

Identified uses Exhaust sealant.
Uses advised against No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Supplier Armored Auto UK Ltd
Unit 16, Rassau Industrial Estate
Ebbw Vale
Gwent NP23 5SD
UK
Tel: +44 1495 350234
Fax: + 44 1495 350431
euregulatory@armoredautogroup.com

1.4. Emergency telephone number

+44 1495 350234
Monday - Thursday: 8.30 - 17.00
Friday: 8.30 - 15.30

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (1999/45/EEC) Not classified.

2.2. Label elements

Risk Phrases
NC Not classified.

Safety Phrases
S2 Keep out of the reach of children.
S24/25 Avoid contact with skin and eyes.

2.3. Other hazards

This product does not contain any PBT or vPvB substances.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

STP® BLOSEAL

SILICIC ACID, SODIUM SALT		10-30%
CAS-No.: 1344-09-8	EC No.: 215-687-4	
Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Irrit. 2 - H319	Classification (67/548/EEC) Xi;R36/38.	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation

Remove victim immediately from source of exposure. Provide fresh air, warmth and rest, preferably in a comfortable upright sitting position. Get medical attention if any discomfort continues.

Ingestion

Do not induce vomiting. Provide fresh air, warmth and rest, preferably in comfortable upright sitting position. Immediately rinse mouth and drink plenty of water (200-300 ml). Get medical attention if any discomfort continues.

Skin contact

Remove contaminated clothes and rinse skin thoroughly with water. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

Eye contact

Remove victim immediately from source of exposure. Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention if any discomfort continues.

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

Inhalation

Vapours may cause headache, fatigue, dizziness and nausea.

Ingestion

May cause discomfort if swallowed.

Skin contact

Prolonged skin contact may cause redness and irritation.

Eye contact

May cause temporary eye irritation.

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

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

5.3. Advice for firefighters

Special Fire Fighting Procedures

No specific fire fighting procedure given.

Protective equipment for fire-fighters

Use protective equipment appropriate for surrounding materials. Self contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

STP® BLOSEAL

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Do not discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Stop leak if possible without risk. DO NOT touch spilled material. Absorb in vermiculite, dry sand or earth and place into containers. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

6.4. Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet. See section 11 for additional information on health hazards. Collect and dispose of spillage as indicated in section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Read and follow manufacturer's recommendations. Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Ingredient Comments

Supplier's short term exposure recommendation for sodium silicate solution: 2 mg/m³

SILICIC ACID, SODIUM SALT (CAS: 1344-09-8)

DNEL					
Worker	Dermal	Long Term	Systemic Effects	1.59 mg/kg/day	
Worker	Inhalation.	Long Term	Systemic Effects	5.61 mg/m ³	
Consumer	Dermal	Long Term	Systemic Effects	0.8 mg/kg/day	
Consumer	Inhalation.	Long Term	Systemic Effects	1.38 mg/m ³	
Consumer	Oral	Long Term	Systemic Effects	0.8 mg/kg/day	
PNEC					
Freshwater	7.5	mg/l			
Marinewater	1	mg/l			
Intermittent release	7.5	mg/l			
STP	348	mg/l			

8.2. Exposure controls

Hand protection

For prolonged or repeated skin contact use suitable protective gloves. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

Eye protection

Wear approved, tight fitting safety glasses where splashing is probable.

Hygiene measures

When using do not eat, drink or smoke. Promptly remove any clothing that becomes contaminated. Wash hands at the end of each work shift and before eating, smoking and using the toilet.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Paste
Odour	Odourless.
Solubility	Soluble in water.

Initial boiling point and boiling range (°C)

Data lacking.

Melting point (°C)

Data lacking.

Relative density

Data lacking.

Vapour density (air=1)

Data lacking.

Vapour pressure

Data lacking.

Evaporation rate

Data lacking.

Evaporation Factor

Data lacking.

pH-Value, Conc. Solution

Data lacking.

Viscosity

Data lacking.

Solubility Value (G/100G H₂O@20°C)

Data lacking.

Decomposition temperature (°C)

Data lacking.

Odour Threshold, Lower

Data lacking.

Auto Ignition Temperature (°C)

Data lacking.

Explosive properties

Data lacking.

Oxidising properties

Not known.

9.2. Other information

Not determined.

SECTION 10: STABILITY AND REACTIVITY**10.1. Reactivity**

Strong oxidising agents.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions**Hazardous Polymerisation**

Will not polymerise.

10.4. Conditions to avoid

Avoid heat.

10.5. Incompatible materials**Materials To Avoid**

Strong oxidising substances.

10.6. Hazardous decomposition products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects****Acute toxicity:**

Based on available data the classification criteria are not met.

Skin Corrosion/Irritation:

Based on available data the classification criteria are not met.

Serious eye damage/irritation:

Based on available data the classification criteria are not met.

Respiratory or skin sensitisation:

Based on available data the classification criteria are not met.

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.

Specific target organ toxicity - repeated exposure:

Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard:

Based on available data the classification criteria are not met.

Toxicological information on ingredients.

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SILICIC ACID, SODIUM SALT (CAS: 1344-09-8)

Acute toxicity:

Acute Toxicity (Oral LD50)

5150 mg/kg Rat

REACH dossier information

Acute Toxicity (Dermal LD50)

> 5000 mg/kg Rat

REACH dossier information Read across data.

Acute Toxicity (Inhalation LC50)

> 2.06 mg/l (vapours) Rat

REACH dossier information Read across data.

Skin Corrosion/Irritation:

Dose

0.5 ml (34.5%) 4 hr Rabbit

Primary dermal irritation index (PDI)

0.4

REACH dossier information

Not irritating. Based on available data the classification criteria are not met.

Respiratory or skin sensitisation:

Skin sensitisation

Local Lymph Node Assay (LLNA) Mouse

REACH dossier information Read across data.

Not Sensitising. Based on available data the classification criteria are not met.

Germ cell mutagenicity:

Genotoxicity - In Vitro

Chromosome aberration:

REACH dossier information

Negative.

Based on available data the classification criteria are not met.

Genotoxicity - In Vivo

Chromosome aberration:

REACH dossier information

Negative.

Based on available data the classification criteria are not met.

Reproductive Toxicity:

Reproductive Toxicity - Fertility

Multigeneration study: NOAEL > 159 mg/kg/day Oral Rat P

REACH dossier information

Based on available data the classification criteria are not met.

Reproductive Toxicity - Development

Developmental toxicity: NOAEL > 200 mg/kg/day Oral Mouse

Specific target organ toxicity - repeated exposure:

STOT - Repeated exposure

NOAEL 2400 mg/kg Oral Rat

REACH dossier information

Not classified as a specific target organ toxicant after repeated exposure.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Acute Fish Toxicity

Not considered toxic to fish.

Ecological information on ingredients.

SILICIC ACID, SODIUM SALT (CAS: 1344-09-8)

Acute Toxicity - Fish

LC50 96 hours 260 - 310 mg/l Onchorhynchus mykiss (Rainbow trout)

REACH dossier information

Acute Toxicity - Aquatic Invertebrates

EC50 48 hours 1700 mg/l Daphnia magna

EC0 48 hours 100 mg/l Daphnia magna

REACH dossier information

Acute Toxicity - Aquatic Plants

EC50 72 hours 207 mg/l Scenedesmus subspicatus

EC0 72 hours 35 mg/l Scenedesmus subspicatus

REACH dossier information

Acute Toxicity - Microorganisms

EC0 18 hours > 348 mg/l Pseudomonas putida

REACH dossier information

12.2. Persistence and degradability

Degradability

There are no data on the degradability of this product.

Ecological information on ingredients.

SILICIC ACID, SODIUM SALT (CAS: 1344-09-8)

Degradability

There are no data on the degradability of this product.

12.3. Bioaccumulative potential

Bioaccumulative potential

No data available on bioaccumulation.

Ecological information on ingredients.

SILICIC ACID, SODIUM SALT (CAS: 1344-09-8)

Bioaccumulative potential

The product is not bioaccumulating.

12.4. Mobility in soil

Mobility:

The product is soluble in water.

Ecological information on ingredients.

SILICIC ACID, SODIUM SALT (CAS: 1344-09-8)

Mobility:

The product has poor water-solubility.

12.5. Results of PBT and vPvB assessment

Not determined.

12.6. Other adverse effects

Not determined.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements. Recover and reclaim or recycle, if practical.

SECTION 14: TRANSPORT INFORMATION

STP® BLOSEAL

General

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

Guidance Notes

Workplace Exposure Limits EH40.

EU Legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Revision Comments

Format updated in accordance with Regulation (EU) No. 453/2010.

Revision Date 01-2013

Revision 3

Supersedes date 09-2011

Risk Phrases In Full

R36/38 Irritating to eyes and skin.

NC Not classified.

Hazard Statements In Full

H315 Causes skin irritation.

H319 Causes serious eye irritation.

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