

RENDER ACCELERATOR SAFETY DATA SHEET

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

1.1 Product Identifier:

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

1.3 Details of the supplier of the safety data sheet:

Manufacturer:

EWI Pro Insulation Systems Ltd
Unit 1-2, King Georges Trading Estate, Davis Road, Chessington, England, KT9 1TT
0800 133 7072
info@ewipro.com
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Producer:

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1.4 Emergency phone number:

Environment Agency Emergency Hotline: +44/(0)800 80 70 60

Emergency Services (UK): 999

National poisons information centre: +44/(0)171 - 635 9191

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

→ Skin Irrit. 2 H315 Causes skin irritation

→ Eye Irrit. 2 H319 Causes serious eye irritation.

2.1.1 Label Elements

The substance is classified and labelled according to the Globally Harmonised System (GHS).



2.1.2 Hazard Pictograms



Signal Word

Warning

2.2 Hazard Statements:

- H315 Causes skin irritation.
- H319 Causes serious eye irritation

Precautionary Statements:

- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- 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.
- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
- P362 Take off contaminated clothing.
- P332+P313 If skin irritation occurs: Get medical advice/attention.

Additional information: Restricted to professional users.

Other hazards No further relevant information available.

Results of PBT and vPvB assessment

PBT: This substance/mixture contains no components classified as persistent, bioaccumulative and toxic (PBT) at levels of 0.1% or higher.

vPvB: This substance/mixture contains no components classified as very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Composition:

Substances

CAS No. Description: 5131-66-8 3-Butoxypropan-2-ol

Identification number(s): EC number: 225-878-4

Index number: 603-052-00-8

REACH Registration number (EC 1907/2006): 01-2119475527-28



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3.2 Hazardous Substances:

Composition information on ingredients, impurities and stabilising additives:		
CAS: 5131-66-8 EINECS: 225-878-4 Index number:... 603-052-00-8 REACH: 01-2119475527-28	3-Butoxypropan-2-ol	Skin Irrit. 2 H315 Eye Irrit. 2H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

General information:

Seek medical treatment in case of complaints.

After inhalation:

Take affected persons out of danger area and lay down. In case of unconsciousness place patient stably on side position for transportation.

After skin contact:

Immediately wash with water and soap and rinse thoroughly. Immediately remove all soiled and contaminated clothing. Wash contaminated clothes before reuse. Clean contaminated shoes before reuse. If skin irritation continues, consult a doctor.

After eye contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical treatment.

After swallowing:

Rinse out mouth and then drink plenty of water. Seek medical treatment.

4.2 Main symptoms and effects, acute and delayed:

Symptoms and effects are described in section 2 and 11.

4.3 Indications for medical attention and special treatments to be administered immediately:

If a physician is to be consulted, they should be presented this safety data sheet

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing agents: CO2, sand, extinguishing powder. Do not use water.



Special hazards arising from the substance or mixture

In case of fire, the following can be released: Carbon monoxide and carbon dioxide

Advice for firefighters

No special measures required. Collect contaminated fire fighting water separately. It must not enter the sewage system. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

Additional information:

Cool endangered receptacles with water spray.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

Not required.

6.2 Precautions for the environment:

Prevent seepage into sewage system, workpits and cellars.

6.3 Methods and material for containment and cleaning:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of the material collected according to regulations.

6.4 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.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling:

Ensure good ventilation/exhaustion at the workplace. Avoid contact with the eyes and skin. Wear protective clothing. Washing facilities / Water for cleaning eyes and skin should be available. Persons, who tend to skin diseases or other hypersensitivity reactions of the skin, should not handle the product. Do not eat, drink, smoke or sniff while working.

7.2. Measures to Prevent Fires:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges. Use explosion-proof apparatus / fittings and spark-proof tools.

Wear shoes with conductive soles. Protect against electrostatic charges.



7.3. Measures for Safe Storage

Requirements to be met by storerooms and receptacles:

- Keep out of reach of children.
- Store product in ventilated conditions in well-sealed original receptacles.

Information about storage in one common storage facility:

- Keep away from foodstuffs, beverages and feed.

Further information about storage conditions:

- Store in cool, dry conditions in well-sealed receptacles.
- Protect from heat and direct sunlight.

Minimum storage life:

- Minimum storage life (+5°C up to 25°C): See indication on package.

Storage class: 10

Specific end use(s): No further relevant information available.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters:

- Ingredients with limit values that require monitoring at the workplace: Not required

DNELS		
5131-66-8 3-Butoxypropan-2-ol		
Oral	Long term exposure	350 mg/kg bw/d (Consumer)
Dermal	Systemic - Long term exposure	629 mg/kg bw/d (Consumer)
		880 mg/kg bw/d (Employee)
Inhalative	Systemic - Long term exposure	304 mg/m ³ (Consumer)
		617 mg/m ³ (Employee)



PNECs	
5131-66-8 3-Butoxypropan-2-ol	
Freshwater	0.525 mg/l (not specified)
Marina Water	0.052 mg/l (not specified)
Soil	0.16 mg/kg (not specified)
Sediments (freshwater)	2.36 mg/kg (not specified)
Sediments (marine water)	0.236 mg/kg (not specified)
Sewage Plant	10 mg/l (not specified)

Ingredients with biological limit values: Void

Additional information: The lists valid during the making were used as basis.

Information about design of technical facilities: No further data; see item 7.

8.2 Exposure controls:

8.2.1. Individual protective measures, such as personal protective equipment:

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed. Remove contaminated clothing immediately and thoroughly clean it before using it again. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin. Do not eat, drink, smoke or sniff while working. Use skin protection cream for skin protection. Ensure that washing facilities are available at the workplace.

Respiratory protection: Use suitable respiratory protective device in case of insufficient ventilation.

Hand protection: The glove material must be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times rates of diffusion and the degradation. **Material of gloves:** The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Eye/face protection: Not required.

Risk management measures: An operator training/guidance in the correct use of personal protective equipment is necessary to ensure the required level of effectiveness.

8.2.3. Environmental exposure controls:

→ Avoid release in the environment. Use the surplus or dispose it of properly.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties:

Appearance:

- Form: Fluid
- Colour: Colourless

General Information

- Physical state: Fluid
- Odour: Characteristic
- Odour threshold: Not safety relevant
- Molecular weight 132.2 g/mol
- pH: 7

Change in condition

- Melting point/freezing point: < -80 °C (< -112 °F) (ISO 3016)
- Boiling point or initial boiling point and boiling range 165 - 175 °C (329 - 347 °F)

Flammability

- Flash point: 63 °C (145.4 °F) (DIN 53171)
- Auto-ignition temperature: 260 °C (500 °F) (DIN 51794)
- Decomposition temperature: Not determined
- Oxidising properties: None
- Explosive properties: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

Lower and upper explosion limit

- Lower: 1.1 Vol %
- Upper: 8.4 Vol %
- Ignition temperature: Product is not self-igniting.
- Vapour pressure at 20 °C (68 °F): 1.3 hPa (1 mm Hg)

Density and/or relative density

Density at 20 °C (68 °F): 0.88 g/cm³ (7.34 lbs/gal)



Viscosity

- Dynamic at 20 °C (68 °F): 2.8 mPas (DIN 53019)

Solubility

- Water at 20 °C (68 °F): 52 g/l. Not miscible or difficult to mix
- Partition coefficient n-octanol/water (log value) 1.2
- Solids content: 0.0 %
- Solvent content:
- Organic solvents: 100.0 %
- VOC without water (EC): 884.00 g/l
- VOC with water (EC): 884.00 g/l
- VOC with water (EC): 100.000 %

9.2 Other Information

Information with regard to physical hazard classes:

- Explosives: Void
- Flammable gases: Void
- Aerosols: Void
- Oxidising gases: Void
- Gases under pressure: Void
- Flammable liquids: Void
- Flammable solids: Void
- Self-reactive substances and mixtures: Void
- Pyrophoric liquids: Void
- Pyrophoric solids: Void
- Self-heating substances and mixtures: Void
- Substances and mixtures, which emit flammable gases in contact with water: Void
- Oxidising liquids: Void
- Oxidising solids: Void
- Organic peroxides: Void
- Corrosive to metals: Void
- Desensitised explosives: Void



SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No further relevant information available.

10.2 Chemical stability:

Stable at environment temperature.

10.3 Possibility of hazardous reactions:

Forms explosive gas mixture with air. Develops readily flammable gases/fumes. Flammable.

10.4 Conditions to avoid:

No further relevant information available

10.5 Incompatible materials:

No further relevant information available

10.6 Hazardous decomposition products:

In case of fire, the following can be released: Carbon monoxide and carbon dioxide

10.7 Additional information:

No further relevant information available.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity:

Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:		
5131-66-8 3-Butoxypropan-2-ol		
Oral	LD ₅₀	3,300 mg/kg (Rat) (OECD 401)
Dermal	LD ₅₀	> 2,000 mg/kg (Rat) (OECD 402)
Inhalative	LD ₀ (4h)	> 651 ppm (Rat) (OECD 403)



Other information (about experimental toxicology):		
5131-66-8 3-Butoxypropan-2-ol		
Oral	OECD 471 (In vitro - Mutation, Ames-Test) OECD 408 (Repeated dose oral toxicity 90d)	(Salmonella typhimurium) negative 350 mg/kg bw/day /NOAEL (Rat)
Dermal	OECD 411 (Subchronic dermal toxicity 90d)	880 mg/kg bw/d /NOAEL (Rat)
Inhalative	OECD 412 (Subacute inhalation 28d)	> 700 mg/m ³ /NOAEL (Rat)
Irritation of skin	OECD 404 (skin)	(Rabbit) moderately irritating
Irritation of eyes	OECD 405 (eye)	(Rabbit) irritating
Sensitisation	OECD 406 (sensitization) OECD 453 (Carcinogenicity studies) OECD 416 (Two-Generation Reproduction)	(Guinea pig) not sensitizing 11,058 /NOAEC (Mouse)negative 1.11 - 3.69 /mg/ (Rat)

Primary irritant effect:

On the skin: Causes skin irritation.

On the eye: Causes serious eye irritation.

Practical experience: No further relevant information available.

General comments: No further relevant information available.

Endocrine disrupting properties: Substance is not listed

SECTION 12: ECOLOGICAL INFORMATION

12.1 Ecotoxicity:

Aquatic Toxicity:	
5131-66-8 3-Butoxypropan-2-ol	
LC ₅₀	560 mg/l (Guppy - poecilia reticulata) (OECD 203)
EC ₅₀ (48h)	> 1,000 mg/l (Water flea - daphnia magna) (OECD 202)
EC ₅₀ (96h)	560 mg/l (Algae - selenastrum capricornutum) (OECD 201)
EC ₅₀ (3h)	> 1,000 mg/l (Activated sewage sludge) (OECD 209)

Ecotoxicological effects:

No further relevant information available.



12.2 Persistence and degradability:

No further relevant information available.

Degree of elimination:	
5131-66-8 3-Butoxypropan-2-ol	
Biodegradation (28d)	90 % (not specified)

12.3 Bioaccumulative potential:

Bioaccumulative potential:	
5131-66-8 3-Butoxypropan-2-ol	
Log Kow	1.2 (not specified)

12.4 Soil mobility:

No further relevant information available.

12.5 PBT and vPvB assessment results:
PBT:

This substance/mixture contains no components classified as persistent, bioaccumulative and toxic (PBT) at levels of 0.1% or higher.

vPvB:

This substance/mixture contains no components classified as very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Endocrine disrupting properties

This substance/mixture does not contain components with endocrine disrupting properties according to the criteria of Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 in concentrations of 0.1% or higher.

12.7 Other adverse effects:

No further relevant information available.

Literature

No further relevant information available.

Ecotoxicological effects:

No further relevant information available.

Behaviour in sewage processing plants:

No further relevant information available.

Additional ecological information:

General notes: Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water .Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.



SECTION 13: DISPOSAL CONSIDERATION

Waste treatment methods

Recommendation: Must not be disposed together with household garbage. Do not allow product to reach sewage system. Risk of environmental pollution. Follow the applicable regulations on waste disposal. Keep unused products and contaminated packaging sealed. Provide containers for waste collection. Hand over for disposal to a specialist company authorised to carry out such activities. Prevent the product from being released into the environment. Do not allow the product to enter the sewage system. Must not be disposed of with municipal waste. Empty containers can be utilised for energy recovery in a waste incineration plant or, if classified accordingly, collected at a landfill site. Perfectly cleaned packaging can be recycled. Dispose of contents/container in accordance with local/regional/national/international regulations.

European waste catalogue	
07 01 04*	other organic solvents, washing liquids and mother liquors
HP4	Irritant - skin irritation and eye damage

Uncleaned packaging

Recommendation: Disposal must be made according to official regulations. Recycle only completely emptied packaging.

SECTION 14: TRANSPORT INFORMATION

14.1. UN Number:

ADR, ADN, IMDG, IATA: Void

14.2. Proper Shipping Name:

ADR, ADN, IMDG, IATA: Void

14.3. Transport Hazard Class(es):

ADR, ADN, IMDG, IATA Class: Void

14.4. Packing Group:

ADR, IMDG, IATA: Void

14.5. Environmental Hazards:

Marine pollutant: No

14.6. Special Precautions for User:

Special precautions for user: Not applicable



14.7. Transport in Bulk According to MARPOL Annex II and the IBC Code:

Maritime transport in bulk according to IMO instruments: Not applicable

14.8 UN "Model Regulation":

Void

SECTION 15: REGULATORY INFORMATION

15.1 Regulations and legislation on health, safety, and environment specific to the mixture:

Poisons Act

Regulated explosives precursors: Substance is not listed.

Regulated poisons: Substance is not listed.

Reportable explosives precursors: Substance is not listed.

Reportable poisons: Substance is not listed.

GHS label elements

The substance is classified and labelled according to the Globally Harmonised System (GHS).

Hazard pictograms



Signal word: Warning

Hazard statements

- H315 Causes skin irritation.
- H319 Causes serious eye irritation.

Precautionary statements

- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- 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.
- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
- P362 Take off contaminated clothing.
- P332+P313 If skin irritation occurs: Get medical advice/attention.



Directive (EU) 2012/18

Named dangerous substances - ANNEX I: Substance is not listed.

Biozide ingredients (EU) 528/2012: Data based on recipe and information on the raw materials from the supply chain.

Substance is not listed.

Classification according (EU) 2004/42:

Not applicable

Other regulations, limitations and prohibitive regulations:

- ➔ Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (UK 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.
- ➔ Commission Regulation (EU) No 878/2020 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (UK REACH).
- ➔ 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 · Regulation (EC) No 1013/2006 of the European Parliament and of the Council of 14 June 2006 on shipments of waste
- ➔ Regulation (EC) No 528/2012 of the European Parliament and of the Council of 22 May 2012 concerning the making available on the market and use of biocidal products

15.2 Chemical Safety Assessment:

A Chemical Safety Assessment has not been carried out.

SECTION 16: OTHER INFORMATION

16.1. Abbreviations and Acronyms:

- ➔ RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
- ➔ ICAO: International Civil Aviation Organisation
- ➔ MAK: Maximale Arbeitsplatz-Konzentration (maximum concentration of a chemical substance in the workplace, Austria/Germany)
- ➔ PBT: persistent, bioaccumulative and toxic properties
- ➔ vPvB: very persistent, bioaccumulative properties
- ➔ ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
- ➔ IMDG: International Maritime Code for Dangerous Goods
- ➔ IATA: International Air Transport Association
- ➔ EINECS: European Inventory of Existing Commercial Chemical Substances



- ➔ CAS: Chemical Abstracts Service (division of the American Chemical Society)
- ➔ VOC: Volatile Organic Compounds (USA, EU)
- ➔ DNEL: Derived No-Effect Level (UK REACH)
- ➔ PNEC: Predicted No-Effect Concentration (UK REACH)
- ➔ LC50: Lethal concentration, 50 percent
- ➔ LD50: Lethal dose, 50 percent
- ➔ PBT: Persistent, Bioaccumulative and Toxic
- ➔ vPvB: very Persistent and very Bioaccumulative
- ➔ ATE: Acute toxicity estimate values
- ➔ Skin Irrit. 2: Skin corrosion/irritation – Category 2
- ➔ Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

The information provided in this datasheet is based on the data available to us at the date of its publication.

It is the user's responsibility to take appropriate precautionary measures and apply the recommendations described previously. The information presented in this datasheet should not be considered exhaustive.

Any use of the product not specified in the instructions on the packaging, our website, or other documents provided by our company is entirely the responsibility of the user.



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