

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

#### 1.1. Product identifier

Product form : Mixture  
 Trade name : Premium Floor Seal Remover  
 Product code : BD250-5  
 Product group : Trade product

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

##### 1.2.1. Relevant identified uses

Main use category : Professional use  
 Industrial/Professional use spec : For professional use only  
 Use of the substance/mixture : Washing and cleaning products (including solvent products). For removal of polymer emulsion floor seals and polishes.

##### 1.2.2. Uses advised against

No additional information available

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

JANGRO LTD,  
 Jangro House,  
 Worsley Road,  
 Farnworth,  
 Bolton,  
 BL4 9LU.  
 Tel: 01204 795 955. Fax: 01204 576 801  
 Email: [enquiries@jangrohq.net](mailto:enquiries@jangrohq.net) Web: [www.jangro.net](http://www.jangro.net)

#### 1.4. Emergency telephone number

Emergency number : 0044 (0) 1205 795 955 (office hours only)

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	

### SECTION 2: Hazards identification

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

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Serious eye damage/eye irritation, Category 1 H318

Full text of hazard classes and H-statements : see section 16

##### Adverse physicochemical, human health and environmental effects

Causes serious eye damage.

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS05

Signal word (CLP) :

Danger

Hazardous ingredients :

2,2'-iminodiethanol, diethanolamine; reaction mass of: 2-ethylhexyl mono-D-glucopyranoside, 2-ethylhexyl di-D-glucopyranoside

Hazard statements (CLP) :

H318 - Causes serious eye damage

Precautionary statements (CLP) :

P280 - Wear protective gloves, protective clothing, eye protection, face protection  
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

# Premium Floor Seal Remover

## Safety Data Sheet

according to Regulation (EU) 2015/830

contact lenses, if present and easy to do. Continue rinsing  
P310 - Immediately call a POISON CENTER, a doctor

Detergent Regulation: Labelling of contents

Contains: Non-ionic surfactants 5-15%  
Ethanol <10%

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether	(CAS No) 112-34-5 (EC no) 203-961-6 (EC index no) 603-096-00-8 (REACH-no) 01-2119475104-44	10 - 30	Eye Irrit. 2, H319
ethanol, ethyl alcohol	(CAS No) 64-17-5 (EC no) 200-578-6 (EC index no) 603-002-00-5 (REACH-no) 01-2119457610-43	5 - 10	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation:vapour), H332 Eye Irrit. 2, H319
2-phenoxyethanol	(CAS No) 122-99-6 (EC no) 204-589-7 (EC index no) 603-098-00-9 (REACH-no) 01-2119488943-21	5 - 10	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319
reaction mass of: 2-ethylhexyl mono-D-glucopyranoside, 2-ethylhexyl di-D-glucopyranoside	(EC no) 414-420-0 (EC index no) 614-028-00-1 (REACH-no) 01-0000016147-72	3 - 5	Eye Dam. 1, H318
2,2'-iminodiethanol, diethanolamine	(CAS No) 111-42-2 (EC no) 203-868-0 (EC index no) 603-071-00-1 (REACH-no) 01-2119488930-28	>= 3	Acute Tox. 4 (Oral), H302 STOT RE 2, H373 Skin Irrit. 2, H315 Eye Dam. 1, H318

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

- First-aid measures general : If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
- First-aid measures after skin contact : Wash skin with plenty of water.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
- First aid advice Ingestion : Do not give anything by mouth to an unconscious person. Wash mouth out with water, then drink plenty of water. Do NOT induce vomiting.

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

Symptoms/injuries after eye contact : Serious damage to eyes.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : The product is not flammable. Use extinguishing agent suitable for surrounding fire. Water spray. Dry powder. Foam. Carbon dioxide.

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

Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

# Premium Floor Seal Remover

## Safety Data Sheet

according to Regulation (EU) 2015/830

### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes.

##### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

#### 6.2. Environmental precautions

Avoid release to the environment.

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

Methods for cleaning up : Take up liquid spill into absorbent material.

Other information : Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

For further information refer to section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

Storage conditions : Storage in a well-ventilated place. Keep cool.

Storage temperature : 5 - 30 °C

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether (112-34-5)		
United Kingdom	Local name	2-(2-Butoxyethoxy)ethanol
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	67.5 mg/m <sup>3</sup>
United Kingdom	WEL TWA (ppm)	10 ppm
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	101.2 mg/m <sup>3</sup>
United Kingdom	WEL STEL (ppm)	15 ppm
ethanol, ethyl alcohol (64-17-5)		
EU	IOELV TWA (mg/m <sup>3</sup> )	1920 mg/m <sup>3</sup>
EU	IOELV TWA (ppm)	1000 ppm
United Kingdom	Local name	Ethanol
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	1920 mg/m <sup>3</sup>
United Kingdom	WEL TWA (ppm)	1000 ppm

#### 8.2. Exposure controls

##### Appropriate engineering controls:

Ensure good ventilation of the work station.

##### Hand protection:

Protective gloves

##### Eye protection:

Safety glasses

##### Skin and body protection:

Wear suitable protective clothing

##### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

# Premium Floor Seal Remover

## Safety Data Sheet

according to Regulation (EU) 2015/830

### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Colour	: Colourless.
Odour	: characteristic.
Odour threshold	: No data available
pH	: 10 - 11.5
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 65 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: ≈ 0.99 g/ml
Solubility	: Miscible with water. Soluble in water.
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: Product is not explosive.
Oxidising properties	: Oxidising solids Not applicable.
Explosive limits	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

No additional information available

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

#### 2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether (112-34-5)

LD50 oral	5660 mg/kg bodyweight
LD50 dermal	2764 mg/kg bodyweight
LC50 inhalation rat (Dust/Mist - mg/l/4h)	> 196 mg/l/4h

#### 2,2'-iminodiethanol, diethanolamine (111-42-2)

LD50 oral rat	1600
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# Premium Floor Seal Remover

## Safety Data Sheet

according to Regulation (EU) 2015/830

<b>2,2'-iminodiethanol, diethanolamine (111-42-2)</b>	
LD50 oral	710 mg/kg bodyweight
LD50 dermal rabbit	12970
LD50 dermal	12200 mg/kg bodyweight

<b>2-phenoxyethanol (122-99-6)</b>	
LD50 oral rat	1840 mg/kg
LD50 oral	1850 mg/kg bodyweight
LD50 dermal rabbit	2214 mg/kg
LD50 dermal	14391 mg/kg bodyweight
LC50 inhalation rat (Dust/Mist - mg/l/4h)	> 1000 mg/l/4h

<b>ethanol, ethyl alcohol (64-17-5)</b>	
LD50 oral rat	10470 mg/kg
LD50 oral	10470 mg/kg bodyweight
LD50 dermal rat	15800 mg/kg
LD50 dermal	15800 mg/kg bodyweight
LC50 inhalation rat (mg/l)	20 mg/l
LC50 inhalation rat (Dust/Mist - mg/l/4h)	> 99999 mg/l/4h

<b>reaction mass of: 2-ethylhexyl mono-D-glucopyranoside, 2-ethylhexyl di-D-glucopyranoside</b>	
LD50 oral	> 2000 mg/kg bodyweight
LD50 dermal	> 5000 mg/kg bodyweight

Skin corrosion/irritation	: Not classified pH: 10 - 11.5
Serious eye damage/irritation	: Causes serious eye damage. pH: 10 - 11.5
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified

<b>2-phenoxyethanol (122-99-6)</b>	
NOAEL (oral, rat, 90 days)	700 mg/kg bodyweight/day

Aspiration hazard : Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

<b>2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether (112-34-5)</b>	
LC50 fish 1	1300 mg/l
EC50 other aquatic organisms 1	> 1000 mg/l EC50 waterflea (48 h)
EC50 other aquatic organisms 2	> 100 mg/l IC50 algea (72 h) mg/l

<b>2,2'-iminodiethanol, diethanolamine (111-42-2)</b>	
LC50 fish 1	1460 mg/l
EC50 Daphnia 1	55 mg/l
EC50 other aquatic organisms 1	55 mg/l EC50 waterflea (48 h)
EC50 other aquatic organisms 2	75 mg/l IC50 algea (72 h) mg/l
ErC50 (other aquatic plants)	2.2 mg/l

<b>2-phenoxyethanol (122-99-6)</b>	
LC50 fish 1	154 mg/l
EC50 Daphnia 1	> 500 mg/l
EC50 other aquatic organisms 1	> 500 mg/l EC50 waterflea (48 h)
EC50 other aquatic organisms 2	443 mg/l IC50 algea (72 h) mg/l
ErC50 (other aquatic plants)	> 500 mg/l

# Premium Floor Seal Remover

## Safety Data Sheet

according to Regulation (EU) 2015/830

<b>ethanol, ethyl alcohol (64-17-5)</b>	
LC50 fish 1	14200 mg/l
EC50 Daphnia 1	12.34 mg/l
EC50 other aquatic organisms 1	5012 mg/l EC50 waterflea (48 h)
EC50 other aquatic organisms 2	275 mg/l IC50 algea (72 h) mg/l
ErC50 (other aquatic plants)	> 100 mg/l

<b>reaction mass of: 2-ethylhexyl mono-D-glucopyranoside, 2-ethylhexyl di-D-glucopyranoside</b>	
LC50 fish 1	> 310 mg/l
EC50 other aquatic organisms 1	> 100 mg/l EC50 waterflea (48 h)
EC50 other aquatic organisms 2	> 100 mg/l IC50 algea (72 h) mg/l

### 12.2. Persistence and degradability

<b>STRIP FREE AP264</b>	
Persistence and degradability	The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

### 12.3. Bioaccumulative potential

<b>2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether (112-34-5)</b>	
Log Pow	0.3 - 4.69

<b>2,2'-iminodiethanol, diethanolamine (111-42-2)</b>	
Log Pow	-1.71

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

<b>STRIP FREE AP264</b>	
Results of PBT assessment	The product does not meet the PBT and vPvB classification criteria

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

No additional information available

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

### 14.1. UN number

UN-No. (ADR)	: Not applicable
UN-No. (IMDG)	: Not applicable
UN-No. (IATA)	: Not applicable
UN-No. (ADN)	: Not applicable
UN-No. (RID)	: Not applicable

### 14.2. UN proper shipping name

Proper Shipping Name (ADR)	: Not applicable
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable
Proper Shipping Name (ADN)	: Not applicable
Proper Shipping Name (RID)	: Not applicable

### 14.3. Transport hazard class(es)

<b>ADR</b>	
Transport hazard class(es) (ADR)	: Not applicable

### **IMDG**

Transport hazard class(es) (IMDG)	: Not applicable
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### **IATA**

# Premium Floor Seal Remover

## Safety Data Sheet

according to Regulation (EU) 2015/830

Transport hazard class(es) (IATA) : Not applicable

### ADN

Transport hazard class(es) (ADN) : Not applicable

### RID

Transport hazard class(es) (RID) : Not applicable

### 14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

### 14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

### 14.6. Special precautions for user

#### - Overland transport

Not applicable

#### - Transport by sea

Not applicable

#### - Air transport

Not applicable

#### - Inland waterway transport

Not applicable

#### - Rail transport

Not applicable

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Abbreviations and acronyms:

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
EC50	Median effective concentration
IATA	International Air Transport Association

# Premium Floor Seal Remover

## Safety Data Sheet

according to Regulation (EU) 2015/830

IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
PBT	Persistent Bioaccumulative Toxic
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rai
SDS	Safety Data Sheet
vPvB	Very Persistent and Very Bioaccumulative

Full text of H- and EUH-statements:

Acute Tox. 4 (Inhalation:vapour)	Acute toxicity (inhalation:vapour) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
H225	Highly flammable liquid and vapour
H302	Harmful if swallowed
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled
H373	May cause damage to organs through prolonged or repeated exposure

SDS EU (Reach Annex II) GREEN

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*