

## 2 COMPONENT COATING FOR FLOORS 3823

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

Product Detail : 3823 - 2 component coating for floors  
 Application of the substance / the preparation: Surface Coating. For industrial and professional use only.  
 Manufacturer / supplier: Holland Shielding Systems B.V.  
 Jacobus Lipsweg 124  
 3316 BP Dordrecht  
 the Netherlands  
 Ph: +31(0)78- 204 90 00  
 Fax: +31(0)78- 204 90 08  
 www.hollandshielding.com  
 info@hollandshielding.com

In an emergency, please contact your local/national poison control center (accessible only to medical personnel).

### 2 HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008		
Eye Dam. 1	H318	Causes serious eye damage.

#### 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	
Signal Word:	Danger

#### Hazard-determining components of labelling

Phenol, 4,4'-(1-methylethylidene) bis-, polymer with chloromethyl)oxirane, reaction products with ethylenediamine, epichlorohydrinpolyethylene glycol polymer, cresol glycidyl ether and 1, 4-bis(methylol) cyclohexanediglycidyl ether propionic acid

Hazard Statements	
H318	Causes serious eye damage.

Precautionary Statements	
P280	Wear 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.
P310	Immediately call a POISON CENTER/doctor.






#### 2.3 Other Hazards

Results of PBT and vPvB assessment	
PBT:	Not applicable.
vPvB:	Not applicable.



## 2 COMPONENT COATING FOR FLOORS 3823

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Description: Mixture of substances listed below with nonhazardous additions.		
Dangerous Components:		
CAS No: 79-09-4 EINECS: 201-176-3 Reg.nr.: 01-2119486971-24	Phenol, 4,4'-(1-methylethylidene) bis-, polymer with chloromethyl)oxirane, reaction products with ethylenediamine, epichlorohydrinpolyethylene glycol polymer, cresol glycidyl ether and 1, 4-bis(methylol) cyclohexanediglycidyl ether	>25- ≤50%
	 Eye Dam. 1, H318	
	propionic acid	
	 Flam. Liq. 3, H226	>2.5- ≤10%
	 Skin Corr. 1B, H314	
CAS No: 204336-40-3 EC Nr.: 606-555-0	Oxirane, methyl-,polymer with oxirane, mono (3,5,5-trimethylhexyl) ether	>1- ≤2.5%
	 Aquatic Chronic 3, H412	
	2-(2-butoxyethoxy)ethanol	
CAS No: 112-34-5 EINECS: 203-961-6 Reg.nr.: 01-2119475104-44-xxxx	 Eye Irrit. 2, H319	>1- ≤2.5%

#### Additional Information:

For the wording of the listed hazard phrases refer to section 16.

### 4 FIRST AID MEASURES

#### 4.1 Description of first aid measures

After inhalation	Supply fresh air; consult doctor in case of complaints.
After skin contact	Immediately wash with water and soap and rinse thoroughly. Remove contaminated clothing.
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 and show safety datasheet or label.

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

No further relevant information available.

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

Treat symptomatically.

### 5 FIREFIGHTING MEASURES

#### 5.1 Extinguishing media

Suitable extinguishing agents	Use fire extinguishing methods suitable to surrounding conditions.
-------------------------------	--

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

No further relevant information available.

#### 5.3 Advice for firefighters

Protective equipment	Put on breathing apparatus
----------------------	----------------------------

## 2 COMPONENT COATING FOR FLOORS 3823

### 6 ACCIDENTAL RELEASE MEASURES

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

Wear protective equipment. Keep unprotected persons away.

#### 6.2 Environmental precautions:

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

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

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Use neutralising agent.

Dispose contaminated material as waste according to section 13.

#### 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.

### 7 HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

Keep receptacles tightly sealed.

Hygiene measures	Wash hands before breaks and at the end of workday.
Information about fire- and explosion protection	No special measures required.

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

	Storage
Requirements to be met by storerooms and receptacles	No special requirements.
Information about storage in one common storage facility	Not required.
Further information about storage conditions	Keep receptacle tightly sealed and in a well-ventilated place. Keep away from heat.

#### 7.3 Specific end use(s)

No further relevant information available.

### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional information about design of technical facilities	No further data; see section 7.
---	---------------------------------

Ingredients with limit values that require monitoring at the workplace:

#### WELs (Workplace Exposure Limits)

CAS No. 79-09-4	propionic acid		
WEL	Short-term value:	46 mg/m <sup>3</sup> , 15 ppm	
	Long-term value:	31 mg/m <sup>3</sup> , 10 ppm	
CAS No. 112-34-5	2-(2-butoxyethoxy)ethanol		
WEL	Short-term value:	101.2 mg/m <sup>3</sup> , 15 ppm	
	Long-term value:	67.5 mg/m <sup>3</sup> , 10 ppm	

## 2 COMPONENT COATING FOR FLOORS 3823




### DNELs

CAS No. 79-09-4	propionic acid	
Dermal	DNEL	132 mg/day (Ind)
Inhalative	DNEL	31 mg/m <sup>3</sup> (Ind)
CAS No. 112-34-5	2-(2-butoxyethoxy)ethanol	
Oral	DNEL	1.25 mg/day (Con)
Dermal	DNEL	10 mg/day (Con)
		20 mg/day (Ind)
Inhalative	DNEL	34 mg/m <sup>3</sup> (Con)
		67.5 mg/m <sup>3</sup> (Ind)

### Additional information

The lists valid during the making were used as basis.

### 8.2 Exposure controls

General protective and hygienic measures	Personal protective equipment	
	Keep away from foodstuffs, beverages, and feed. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Avoid contact with the eyes. Avoid contact with the eyes and skin.	
Respiratory protection	Particulate cartridge filter type when LEV cannot be supplied	
Protection of hands	Protective gloves	
Eye protection	Tightly sealed goggles	

## 9 PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

#### General Information

	Appearance
Form	Liquid
Colour	According to product specification
Odour	Characteristic
Odour threshold	Not determined.
pH-value	Not determined.
	Change in condition
Melting point/freezing point	Undetermined.
Initial boiling point and boiling range	100 °C
Flash point	Not applicable.
Flammability (solid, gas)	Not applicable.
Decomposition temperature	Not determined.
Ignition temperature	Product is not selfigniting.
Explosive properties	Product does not present an explosion hazard.
Explosion limit (Lower)	Not determined.
Explosion limit (Upper)	Not determined.

## 2 COMPONENT COATING FOR FLOORS 3823

Vapour pressure at 20 °C	23 hPa
Density at 20 °C	1.04 g/cm <sup>3</sup>
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with water	Fully miscible.
Partition coefficient: n-octanol/water	Not determined.
Viscosity (Dynamic) at 20°C	200 mPas
Viscosity (Kinematic)	Not determined.
<b>Solvent content</b>	
Organic solvents	2.2 %
Water	61.7 %
Solids content	31.3 %

### 9.2 Other information

No further relevant information available.

## 10 STABILITY AND REACTIVITY

### 10.1 Reactivity

No further relevant information available.

### 10.2 Chemical stability

Thermal decomposition / conditions to be avoided

No decomposition if used according to specifications.

### 10.3 Possibility of hazardous reactions

No dangerous reactions known.

### 10.4 Conditions to avoid

No further relevant information available.

### 10.5 Incompatible materials

No further relevant information available.

### 10.6 Hazardous decomposition products

No dangerous decomposition products when stored and handled correctly

## 11 TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

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

#### LD/LC50 values relevant for classification:

CAS No. 79-09-4	Propionic Acid		
Oral		LD50	2,600 mg/kg (Rat)
Dermal		LD50	525 mg/kg (Rab)
Inhalative		LC50/4 h	>4.9 mg/l (Rat)
CAS No. 204336-40-3	Oxirane, methyl-, polymer with oxirane, -mono(3,5,5-trimethylhexyl) ether		
Oral		LD50	>2,000 mg/kg (Rat)
CAS No. 112-34-5	2-(2-butoxyethoxy)ethanol		
Oral		LD50	>2,000 mg/kg (rat)
Dermal		LD50	>2,000 mg/kg (rbt)



## 2 COMPONENT COATING FOR FLOORS 3823

### Primary irritant effect

Skin corrosion/irritation	Based on available data, the classification criteria are not met.
Serious eye damage/irritation	Causes serious eye damage.
Respiratory or skin sensitisation	Based on available data, the classification criteria are not met.

### Additional toxicological information:

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)	
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.
STOT-single exposure	Based on available data, the classification criteria are not met.
STOT-repeated exposure	Based on available data, the classification criteria are not met.
Aspiration hazard	Based on available data, the classification criteria are not met.

## 12 ECOLOGICAL INFORMATION

### 12.1 Toxicity

Aquatic toxicity:	No further relevant information available.
-------------------	--

### 12.2 Persistence and degradability

No further relevant information available.

### 12.3 Bio accumulative potential

No further relevant information available.

### 12.4 Mobility in soil

No further relevant information available.

### Additional ecological information

General notes	Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. Must not reach sewage water or drainage ditch undiluted or un-neutralised.
---------------	--

### 12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

### 12.6 Other adverse effects

No further relevant information available.

## 13 DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

Recommendation	Must not be disposed together with household garbage. Do not allow product to reach sewage system.
----------------	---

### Uncleaned packaging:

Recommendation	Disposal must be made according to official regulations.
Recommended cleansing agents	Water, if necessary together with cleansing agents.

## 14 TRANSPORT INFORMATION

### 14.1 UN-Number

ADR, IMDG, IATA	Void
-----------------	------

## 2 COMPONENT COATING FOR FLOORS 3823

### 14.2 UN proper shipping name

ADR, IMDG, IATA Void

### 14.3 Transport hazard class(es)

ADR, IMDG, IATA Void

### 14.4 Packing group

ADR, IMDG, IATA Void

### 14.5 Environmental hazards:

Not applicable.

### 14.6 Special precautions for user

Not applicable.

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

Not applicable.

UN "Model Regulation" Void

## 15 REGULATORY INFORMATION

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

Poisons Act

Regulated explosives precursors	None of the ingredients is listed.
Regulated poisons	None of the ingredients is listed.
Reportable explosives precursors	None of the ingredients is listed.
Reportable poisons	None of the ingredients is listed.
Directive 2012/18/EU	Named dangerous substances - ANNEX I None of the ingredients is listed.
National regulations:	Technical instructions (air):
	CLASS Share in %
	Wasser 61.7
	NK 2.2

Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

### 15.2 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.

### Full text of H-Statements referred to under sections 2 and 3

H226	Flammable liquid and vapour.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.

### Abbreviations and acronyms

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
GHS:	Globally Harmonised System of Classification and Labelling of Chemicals
EINECS:	European Inventory of Existing Commercial Chemical Substances



## 2 COMPONENT COATING FOR FLOORS 3823

ELINCS:	European List of Notified Chemical Substances
CAS:	Chemical Abstracts Service (division of the American Chemical Society)
WEL:	Workplace Exposure Limit
DNEL:	Derived No-Effect Level (UK REACH)
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent
PBT:	Persistent, Bioaccumulative and Toxic
vPvB:	very Persistent and very Bioaccumulative
Flam. Liq. 3:	Flammable liquids – Category 3
Skin Corr. 1B	: Skin corrosion/irritation – Category 1B
Eye Dam. 1:	Serious eye damage/eye irritation – Category 1
Eye Irrit. 2:	Serious eye damage/eye irritation – Category 2
Repr. 2:	Reproductive toxicity – Category 2
Aquatic Chronic 3:	Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

