

# SAFETY DATA SHEET

## MATERIAL SAFETY DATA SHEET

Last changed: 27/08/2008

Internal No.:

Replaces date: 04/04/2006

VERANIT H48 comp.A

### 1. IDENTIFICATION OF PRODUCT AND COMPANY

<input checked="" type="checkbox"/>	Approved for use	<input type="checkbox"/>	Godkjent for distribusjon
<input type="checkbox"/>	Approved for laboratory use	<input type="checkbox"/>	
<input type="checkbox"/>	Approved by Hesselberg Bygg AS	<input type="checkbox"/>	

<b>TRADE NAME</b>	VERANIT H48 comp.A
<b>GROUP NAME</b>	Barrikade
<b>APPLICATION</b>	BINDERS

#### Producer/importer

<b>Company</b>	A/S Sigurd Hesselberg, Hesselberg Bygg
<b>Address</b>	P.O.Box 1023 Jeløy
<b>Postal code</b>	N-1510 Moss
<b>Country</b>	Norway
<b>E-mail</b>	bygg@hesselberg.no
<b>Internet</b>	www.hesselberg.com
<b>Telephone</b>	+47 69273000
<b>Fax</b>	+47 69274630

<b>Name</b>	<b>E-mail</b>	<b>Phone (work)</b>
Ketil Sollien	ketil.sollien@hesselberg.no	69276916

#### Supplier

<b>Company</b>	Hesselberg Sverige AB
<b>Address</b>	Engelska Gången 14
<b>Postal code</b>	254 51 HELSINGBORG
<b>Country</b>	Sverige
<b>E-mail</b>	michael.hansen@hesselberg.se
<b>Internet</b>	www.hesselberg.com
<b>Telephone</b>	042-21 40 20
<b>Fax</b>	042-21 40 28

<b>Name</b>	<b>E-mail</b>	<b>Phone (work)</b>
Michael Hansen	michael.hansen@hesselberg.se	

#### Emergency Telephones

<b>Emergency Phone</b>	<b>Information</b>
+ 47 22 59 13 00	

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

No	Ingredient name	EC No.	CAS No.	Conc. (wt%)	Classification
1	bisphenol-a-(epichlorhydrin) { reaction product }		25068-38-6	< 80 %	Xi,36/38-43
2	1,6-hexanedioldiglycidyl ether		16096-31-4	< 20 %	Xi,36/38-43-52/53
3	Glycidylether of C12-C14 alcohols		68609-97-2	< 10 %	Xi,N,36/38-43-51/53

Legend: T+=Very toxic, T=Toxic, C=Corrosive, Xn=Harmful, Xi=Irritant, E=Explosive, O=Oxidising, F+=Extremely flammable, F=Highly flammable, N=Dangerous for the environment

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### 3. HAZARDS IDENTIFICATION



Irritating



Dangerous for  
the  
environment

#### HEALTH

Irritating to eyes and skin. May cause sensitization by skin contact.

#### ENVIRONMENT

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

### 4. FIRST AID MEASURES

#### INHALATION

Fresh air. If symptoms persist, call a physician.

#### SKIN CONTACT

Wash with water and soap as a precaution. If symptoms occur, get medical advice.

#### EYE CONTACT

Flush with large amounts of water (open eyelids) for at least 15 minutes. If eye irritation persists, consult a specialist.

#### INGESTION

Give plenty of water to drink. If a person vomits when lying on his back, place him in a stable position, lying on one side. **DO NOT INDUCE VOMITING!**

### 5. FIRE-FIGHTING MEASURES

#### EXTINGUISHING MEDIA

Water spray. Carbon dioxide (CO<sub>2</sub>). Foam. Dry chemical.

#### IMPROPER EXTINGUISHING MEDIA

Do not use water jet.

#### PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS

Use special protective clothing. Standard protective equipment may be unsuitable. Use self-contained breathing apparatus if the substance is involved in fire.

#### OTHER INFORMATION

Containers close to fire should be removed immediately or cooled with water.

### 6. ACCIDENTAL RELEASE MEASURES

#### PERSONAL PRECAUTIONS

Avoid skin contact. Do not breathe vapour. Do not breathe dust. Keep away from sources of ignition - No smoking.

#### ENVIRONMENTAL PRECAUTIONS

Prevent product from entering drains. Do not contaminate surface water. Avoid subsoil penetration.

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### METHODS FOR CLEANING UP

Remove spill with absorbent materials and/or mechanical equipment, and dispose of in accordance with section 13.

## 7. HANDLING AND STORAGE



### HANDLING ADVICE

Provide sufficient air exchange and/or exhaust ventilation in work rooms. Provide good ventilation. Open and handle container with care.

### STORAGE

Keep container tightly closed. Keep away from food, drink and animal feed. Store at room temperature.

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION



### EXPOSURE CONTROL

Keep away from sources of ignition - No smoking. Avoid contact with skin, eyes and clothing.

### RESPIRATORY PROTECTION

Use combination cartridge (gas/particulates) if necessary.

### EYE PROTECTION

Wear approved goggles or face shield.

### HAND PROTECTION

Barrier creams may help to protect the exposed areas of the skin. Use protective gloves of: 4H multilayered gloves. Polyethylene/ethylenevinyl alcohol (PE/EVOH).

### PROTECTIVE CLOTHING

Wear protective shoes. protective suit

### OTHER INFORMATION

Change work clothing daily before leaving workplace. Remove contaminated clothing immediately and wash contaminated skin as soon as possible.

## 9. PHYSICAL AND CHEMICAL PROPERTIES



**Physical State** Liquid.  
**Colour** Various.  
**Odour** Weak

### Physical and chemical parameters

<b>Expl. limit LEL-UEL%:</b>		<b>Solubility in water:</b>	insoluble
<b>pH solution:</b>		<b>Boiling point/range:</b>	> 200 °C
<b>Flash point:</b>	> 150 °C	<b>pH concentrate:</b>	
<b>Molar weight:</b>		<b>Viscosity:</b>	800-1400 cP

## 10. STABILITY AND REACTIVITY



### MATERIALS TO AVOID

Strong oxidizing agents. strong acids and strong bases.

### HAZARDOUS DECOMPOSITION PRODUCTS

Carbon monoxide, carbon dioxide. Burning produces bad-smelling and toxic fumes.

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### 11. TOXICOLOGICAL INFORMATION

#### Acute toxic test results

Acute oral tox.	> 5000 mg/kg	LD50 (rotte/rat)
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#### GENERAL

In industry, irritating properties represent the main hazard.

#### INHALATION

No information.

#### SKIN CONTACT

Irritating.

#### EYE CONTACT

Irritating.

#### INGESTION

Ingestion is considered to be improbable in normal use.

#### SENSITIZATION

The product contains an epoxy resin, which may cause sensitization and development of allergy.

### 12. ECOLOGICAL INFORMATION

#### ECOTOXICITY

Toxic to aquatic organisms.

#### MOBILITY

May cause long-term effects in the aquatic environment.

#### DEGRADABILITY

Not expected to be completely biodegradable.

#### ACCUMULATION

Bioaccumulation cannot be excluded.

#### OTHER EFFECTS

Causes pollution of soil and water.

#### OTHER INFORMATION

Waste will cause environmental risk over time, incineration is preferred instead of landfilling.

### 13. DISPOSAL CONSIDERATIONS

#### GENERAL REGULATIONS

Small quantities may be rendered harmless by hardening. Dispose of in landfill or flush to drain with water. Larger quantities must be disposed of at approved hazardous waste treatment facility or storage site, together with appropriate hazard waste documents.

#### CATEGORY OF WASTE

07 02 08 other still bottoms and reaction residues

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### 14. TRANSPORT INFORMATION

Classified as Dangerous Goods:  Yes  No  N/A

UN No.: 3082

#### PROPER SHIPPING NAME

Environmentally hazardous substance, liquid, n.o.s.

#### ADR/RID

Class:	9	Packing group:	III
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#### IMDG

Class:	9	Packing group:	III
Sub Risk:		EMS:	F-A S-F

#### IATA

Class:	9	Packing group:	III
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### 15. REGULATORY INFORMATION



Irritating

Dangerous for  
the  
environmentEC-Label  No  Yes  N/A

#### COMPOSITION

bisphenol-a-(epichlorhydrin) {reaction product} (&lt; 80 %), 1,6-hexanedioldiglycidyl ether (&lt; 20 %), Glycidylether of C12-C14 alcohols (&lt; 10 %)

#### R-PHRASES

Nr.	R-Phrase text
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R36/38	Irritating to eyes and skin.
R43	May cause sensitisation by skin contact.

#### S-PHRASES

S-28 After contact with skin, wash immediately with plenty of water and soa.water and soap. S-37/39 Wear suitable gloves and eye/face protection.S-61 Avoid release to the environment. Refer to special instructions/Safety data sheets.

#### REFERENCES

Norwegian Labour Inspectorate: Regulations concerning hazard labelling (health, fire, explosion).

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### OTHER INFORMATION

Contains epoxy components. Seek more information from the producer.

### 16. OTHER INFORMATION



### INFORMATION SOURCES

HMS-datablad er utarbeidet med bakgrunn i informasjoner gitt av råvareleverandører og norsk stoffliste.

### VENDOR NOTES

This document contains important information concerning correct storage, handling and use of the product.

### LIST OF RELEVANT R-PHRASES

Nr.	R-Phrase text
R36/38	Irritating to eyes and skin.
R43	May cause sensitisation by skin contact.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

ISSUED:

27/08/2008

### REVISION HISTORY

Version	Rev. date	Responsible	Changes
1.0.0	04/04/2006	Ole Stræte	Updatering
2.0.0	27/08/2008	Ketil Sollien	Updatering

### SDS prepared by

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