

SAFETY DATA SHEET

MATERIAL SAFETY DATA SHEET

Last changed: 27/08/2008

Internal No.:

Replaces date: 04/04/2006

VERANIT H48 comp.B

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"/>

TRADE NAME	VERANIT H48 comp.B
GROUP NAME	Barrikade
APPLICATION	HARDENERS

Producer/importer

Company	A/S Sigurd Hesselberg, Hesselberg Bygg
Address	P.O.Box 1023 Jeløy
Postal code	N-1510 Moss
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Name	E-mail	Phone (work)
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Supplier

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Address	Engelska Gången 14
Postal code	254 51 HELSINGBORG
Country	Sverige
E-mail	michael.hansen@hesselberg.se
Internet	www.hesselberg.com
Telephone	042-21 40 20
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Name	E-mail	Phone (work)
Michael Hansen	michael.hansen@hesselberg.se	

Emergency Telephones

Emergency Phone	Information
+ 47 22 59 13 00	

2. COMPOSITION/INFORMATION ON INGREDIENTS

No	Ingredient name	EC No.	CAS No.	Conc. (wt%)	Classification
1	benzylalkohol	202-859-9	100-51-6	< 25 %	Xn,20/22
2	3,6-Diazaoctanethylenediamin	203-950-6	112-24-3	< 25 %	C,34-21-43-52/53
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



Corrosive

HEALTH

Causes burns.Harmful by inhalation, in contact with skin and if swallowed.May cause sensitization by skin contact.

4. FIRST AID MEASURES

GENERAL

Chemical burns are to be treated by a physician.

INHALATION

Move to fresh air. Give oxygen if breathing is difficult.Summon physician immediately.

SKIN CONTACT

Wash contaminated skin immediately with water. Remove wet clothing and wash the skin with water.Do NOT use solvents or thinners.Get medical advice if irritation persists.

EYE CONTACT

Flush with large amounts of water (open eyelids) for at least 15 minutes.Summon physician immediately.

INGESTION

Summon physician immediately.Give water or milk, preferably with activated charcoal.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 (CO2).Foam.Dry chemical.

IMPROPER EXTINGUISHING MEDIA

Do not use water jet.

FIRE AND EXPLOSION HAZARDS

Fire generates toxic nitrogen oxides (NOx).

PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS

General: Evacuate all personnel, use protective equipment for fire-fighting. Use self-contained breathing apparatus when the product is involved in fire.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

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

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. Avoid formation of aerosol. Provide adequate ventilation. Open and handle container with care.

STORAGE

Keep away from sources of ignition - No smoking. Keep away from food, drink and animal feed. Store at room temperature in the original container.

8. EXPOSURE CONTROL/PERSONAL PROTECTION



EXPOSURE CONTROL

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

RESPIRATORY PROTECTION

If ventilation is inadequate, use: Respiratory protection

EYE PROTECTION

Wear approved goggles or face shield.

HAND PROTECTION

Use multilayered gloves (e.g. 4H).

PROTECTIVE CLOTHING

Wear protective clothing.

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 Pale yellow.
Odour Amine-like.

Physical and chemical parameters

Parameter	Value / Unit	Method	Note
pH concentrate	~11		
Boiling point	> 200 °C		
Flash point	> 100 °C		
Density	~ 0,98 g/cm ³		
Viscosity	~ 2200 mPas		

10. STABILITY AND REACTIVITY



MATERIALS TO AVOID

Avoid contact with strong acids and bases. Avoid contact with strong oxidizers.

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HAZARDOUS DECOMPOSITION PRODUCTS

carbon oxides.Nitrogen oxides (NOx).Burning produces bad-smelling and toxic fumes.

11. TOXICOLOGICAL INFORMATION

GENERAL

In industry, corrosive properties represent the main hazard.

INHALATION

Vapour or aerosol (liquid particles) will irritate upper respiratory tract.

SKIN CONTACT

Causes burns.

EYE CONTACT

Causes burns.May cause permanent damage to the cornea, impaired vision and blindness.

INGESTION

Causes burns if swallowed. Causes burning sensation in the mouth, throat and esophagus. May cause serious permanent damage.

SENSITIZATION

May cause sensitization/allergic effects in susceptible persons.

12. ECOLOGICAL INFORMATION

MOBILITY

Reacts slowly with water at room temperature.

DEGRADABILITY

Not readily biodegradable.

OTHER INFORMATION

Do not allow this chemical to contaminate sources of drinking water, waste water or soil!

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

14. TRANSPORT INFORMATION

Classified as Dangerous Goods:



Yes



No



N/A

UN No.:

2735

PROPER SHIPPING NAME

AMINES, LIQUID, CORROSIVE, N.O.S.

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ADR/RID

Class:	8	Packing group:	
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IMDG

Class:	8	Packing group:	III
Sub Risk:		EMS:	8-05

IATA

Class:	8	Packing group:	III
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15. REGULATORY INFORMATION



Corrosive

EC-Label

No

Yes

N/A

COMPOSITION

benzylalkohol (< 25 %), 3,6-Diazaoctanethylenediamin (< 25 %)

R-PHRASES

Nr.	R-Phrase text
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R34	Causes burns.
R43	May cause sensitisation by skin contact.

S-PHRASES

S-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S-28 After contact with skin, wash immediately with plenty of water and soa. water and soap. S-36/37/39 Wear suitable protective clothing, gloves and eye/face protection. S-45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

REFERENCES

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

16. OTHER INFORMATION

VENDOR NOTES

This document contains important information concerning correct storage, handling and use of the product. Handle and use this product in accordance with the requirements and recommendations of the equipment manufacturers.

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LIST OF RELEVANT R-PHRASES

Nr.	R-Phrase text
R20/22	Harmful by inhalation and if swallowed.
R21	Harmful in contact with skin.
R34	Causes burns.
R43	May cause sensitisation by skin contact.
R52/53	Harmful 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

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