

1<sup>st</sup> EDITION

DATE OF APPROVAL: 10/6/2016

## ARMOS EPOXY A+B

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

**Name of Mixture** : **ARMOS EPOXY (A Component)**  
**Use of Mixture** : Solvent Free 2 Component Epoxy Grout  
Epoxy resin with reactive epoxy diluents  
(Number average molecular weight<=700)

**Company** : NORDIA S.A.  
364, Kifissias Av., 15233 Halandri, Greece

**Company telephone** : +30 2295022225  
**Emergency telephone number** +30 6932605482

### 2. HAZARDS IDENTIFICATION

**Classification of the mixture**  
**Classification according to 1272/2008(CLP)**

**Other hazards:** Skin irritation 2: H315, Eye irritation 2 : H319,  
**Label elements** Skin sensitization 1:H317, Aquatic chronic 3: H412  
**Hazard:**



**Signal word:**

Warning

**Hazard statement(s):**

**H315** Cause skin irritation. **H319** Causes serious eye irritation. **H317** May cause an allergic skin reaction. **H412** Harmful to aquatic life with long lasting effects.

**Precautionary statement(s):**

P273, Avoid release to the environment  
P280,Wear protective gloves/protective clothing/eye protection/face protection.  
P302+352, IF ON SKIN: Gently wash with plenty of soap and water.  
P305+P351+P338, IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P333+P313, If skin irritation or rash occurs: Get medical advice/ attention.

**Classification according to 67/548/EEC (DSD)**

**Danger:**



**Risk phrases:**

**Irritant**

R36/38 - Irritant to eyes and skin  
 R 43 - May cause sensitization by skin contact  
 R 52/53- Harmful to aquatic organism  
 May cause long-term adverse effects in the aquatic environment

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

**Composition:** Mixture of liquid epoxy resins and reactive diluents.

Chemical name	EC-No	REACH-No	Index-No	CAS-No	Amount (%)	Classification according Regulation (EC) No 1272/2008 [CLP]		Classification according 67/548/EEC
						Hazard class & category	Hazard statement	
Reaction product: Bisphenol A-(epichlorhydrin) epoxy resin (number molecular weight<700	500-033-5		603-074-00-8	25068-38-6	1-10	Eye Irrit. 2, Skin Irrit. 2, Skin Sens.1, Aquatic Chronic 2 ,	H319 H315 H317 H411	Xi, R36/38, R43 N ,R51/53
(C12-C14) Alkylglycidyl ether	271-846-8		603-103-00-4	68609-97-2	1-10	Skin Irrit. 2 Skin Sens. 1	H315 H317	Xi, R38, R43
Bisphenol F - epichlorohydrin resin with Number Average Molecular Weight < 700				28064-14-4	1-10			Xi ,R36/38, R43 N, R51/53
Other ingredients					<70	Not classified		

Full text of R- and H-phrases: see section 16.

**4. FIRST AID MEASURES**

**General Instructions**

: If exist doubts or if the symptoms insist, seek for medical advice.

**Inhalation**

: Move the victim in open space with clean air.  
 Do not give anything from the mouth. If the person has lost his senses, place him with caution and ask for medical advice.

**Skin Contact**

: Wash the skin thoroughly with soap and water or use suitable detergent. Do not use solvents or thinners.

**Eye Contact**

: Remove the contact lenses. Wash immediately the eyes with water for 15 minutes holding the eyelids open.

**Ingestion**

: In case of ingestion do not cause vomit, seek immediately for medical advice and show them this safety data sheet.

**5. FIRE FIGHTING MEASURES**

- Suitable Extinguishing Agents** : Alcohol Resistant Foam, CO<sub>2</sub>, fire fighting dust. Do not use water jet with pressure.
- Special hazards during fire fighting** : The fire produces dense, black smoke. Freeze with water the closed containers that are exposed in fire.
- Special Protective Equipment** : Use suitable respiratory device and suitable protective clothes.

**6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions** : Avoid contact with skin, eyes and the inhalation of vapours. Wear protective clothes.
- Environmental precautions** : Do not allow the product to reach ground/soil. Prevent material from reaching sewage system, holes and cellars. Inform respective authorities in case product reaches water or sewage system.
- Clean up methods** : Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of the material collected according to regulations.

**7. HANDLING AND STORAGE**

- Handling** : The vapours can form explosive mixtures with air. Prevent the creation of flammable or explosive concentration of vapours in air and avoid concentration of vapours bigger than the limits of professional report. Moreover, the product should be used only in spaces in which do not exist sources of lighting without cover and sources of ignition. Protect the electric equipment according to the suitable method. For the induction of static electricity at the duration of transfusion, ground the container properly. The operators should wear anti-static footwear and clothing and the floor should be grounded. The container must be maintained hermetically closed. Keep away from heat, sparks and flames. It should not be used with tools that can cause spark. Avoid contact with skin and eyes. Avoid the inhalation of dust, particles and vapours that are created during the application of this preparation. Avoid the inhalation of dust that is created at the duration of work of rubbing. The consumption of food, drinks and the smoking should be prohibited in spaces of handling, storage and treatment of this material. The workers should wash their hands before the reception of food, drinks and the smoking. Wear suitable personal protective equipment (see also chapter 8). Never use pressure in order to empty the container. Maintain always the product in containers manufactured from the same material with the initial container. If the operators are spraying should work in booth of

**Storage**

spraying. In such circumstances they should wear respiratory appliance at the duration of process of spraying and until the concentration of particles and steams of solvent falls under the limits of reports.  
 : Store according to the local regulations. Read the precautions that are written in the label. Store in cool, well ventilated space far from incompatible materials and sources of ignition.  
 Keep away from: Oxidant mediums, powerful alkalis, powerful acids. The smoking is prohibited. Prevent the access in not permitted individuals. Close hermetically and carefully the containers that have been opened and maintain them in straight place. Do not empty the rest of the content in the sewerage.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Mechanical measures** : Provide sufficient ventilation. Where it is practical possible, should be used suitable ventilation system.

**Equipment of personal protection**

Respiratory protection : If the workers are exposed in concentrations above the limit of report, it should be used suitable respiratory devices.

Protection of skin/ body : The personnel should wear protective clothes that cover all the parts of the body.

Protection of hands : For extended or repeated work, use gloves of neoprene or nitrile.

Eye Protection : Wear safety glasses.

Control of environmental report : Do not leave the material to induce in sewerages.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical state** : Paste

**Odour** : Weak

**Colour** : Depends from the customer

**Ignition Point** : Not calculated

**Boiling point** : Not calculated

**Flammable point** : Not calculated

**Pressure of vapors** : Not calculated

**Viscosity at 23 °C** : ≈ 1400-2800 mPa.s

**Density** : 1.70 g/ml

**Solubility** : Insoluble in cold and hot water

**10. STABILITY AND REACTIVITY**

**Conditions that should be avoided** : It is not decomposed under normal use. Avoid high temperatures.

**Materially that should be avoided** : Strong oxidant materials.

**Dangerous decomposition materials** : In case of fire it can be released carbon monoxide and smoke.

**11. TOXICOLOGICAL INFORMATION**

Do not exist available data for this product. The preparation has been evaluated according to the conventional method of Directive 1999/45/EK for Dangerous Substances and has been categorized proportionally according to the toxicological

dangers. For more details read also chapter 2 and 15.

The report in concentration of steams of solvents that is contained in the product above the determined limit of professional report can cause undesirable repercussions in the health causing irritation at the respiratory system, as well as undesirable repercussions in the kidney, liver and the central nervous system. The symptoms and the clues include headache, dizziness, lassitude, muscle weakness, drowsiness also in extreme cases loss of senses. The solvents can cause certain repercussions if they are absorbed by the skin. If liquid damage the eyes, can cause irritation and irreversible damage.

**12. ECOLOGICAL INFORMATION**

No available data for this product.  
The preparation has been evaluated according to the conventional method of directive for dangerous preparations 1999/45/EC and has been characterized as dangerous for the environment.  
Dangerous for the aquatic environment. It is not allowed to be released in underground waters, in the aquatic environment or in the sewerage.  
In the aquatic environment it is poisonous for the fishes and the aquatic organisms. Dangerous for potable water. Not soluble in cold and hot water.

**13. DISPOSAL CONSIDERATIONS**

Do not release it in sewerages or in aquatic sources. Dispose according to all the national and local regulations.

Dangerous Waste : The classification of product fulfils the criteria for dangerous waste.

**14. TRANSPORT INFORMATION****Transport on road ADR/RID**

Number UN : 3082  
Name of Transport : EPOXY GROUT,  
document CONTAINS LIQUID EPOXY RESIN  
Class : 9  
Packaging group : III  
Label ADR/RID

**Transport with boat in the sea IMDG**

Number UN : 3082  
Name of Transport : EPOXY GROUT,  
document CONTAINS LIQUID EPOXY RESIN  
IMDG class : 9  
Sea waste : -  
Packaging group : III  
Label IMDG

**Air transport ICAO/IATA**

Number UN : 3082  
 Name of Transport document : EPOXY GROUT,  
 CONTAINS LIQUID EPOXY RESIN  
 ICAO/IATA Class : 9  
 Packaging group : III  
 Label ICAO/IATA

**15. REGULATORY INFORMATION**

**Regulations E.C.** : The preparation is classified as follows, according to directive 1272/2008/EC.  
**Contains** : Epoxy resin (Number average molecular weight ≤ 700)  
Reaction product : bisphenol A -epichlorhydrin



**Warning**

**Hazard statement(s)** H315 Cause skin irritation.  
 H317 May cause an allergic skin reaction  
 H319 Causes serious eye irritation  
 H412 Harmful to aquatic life with long lasting effects

**Precautionary statement(s)** P273 Avoid release to the environment  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P302+352 IF ON SKIN: Gently wash with plenty of soap and water.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

**Regulations E.C.** The preparation is classified as follows, according to directive 1999/45/EC.

**Symbol(s)**



Irritant

**Risk Phrases** R36/38, R43, R52/53

R 36/38 Irritant to eyes and skin  
 R 43 May cause sensitization by skin contact  
 R 52/53 Harmful to aquatic organism  
 May cause long-term adverse effects in the aquatic environment.

**Safety Phrases** S2,S24,S26,S37

S2 Keep out of the reach of children.  
S24 Avoid contact with skin.  
S26 Wear suitable protective clothing  
S37 Wear suitable gloves

**Other regulations** Directive 2004/42/EC: Cat A/j < 500g/l

#### **16. OTHER INFORMATION**

These statements are based on our current level of knowledge, do not constitute guarantee for the attributes of product neither justify legal consequences.

##### **Relevant (Hazard) H-phrases**

H315 Cause skin irritation.  
H317 May cause an allergic skin reaction  
H319 Causes serious eye irritation  
H411 Toxic to aquatic life with long lasting effects  
H412 Harmful to aquatic life with long lasting effects

##### **Relevant (Risk) R-phrases**

R 36/38 Irritant to eyes and skin  
R 43 May cause sensitization by skin contact  
R 51/53 Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.  
R 52/53 Harmful to aquatic organism. May cause long-term adverse effects in the aquatic environment

The information that is provided through this Safety Data Sheet is right according to our knowledge and information at the day of publication. The information that are given must be used only as a guide of use, storage, disposal and transport and it should not be considered as guarantee for it's quality.

The information that is given is related only for this material and not in combination with other materials and with other processes.

1<sup>st</sup> EDITION

DATE OF APPROVAL: 10/6/2016

**ARMOS EPOXY A+B****1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING**

**Name of Mixture** : **ARMOS EPOXY (B Component)**  
**Use of Mixture** : Solvent Free 2 Component Epoxy Grout  
Curing agent  
Contains Polyamine and Isophoronodiamine

**Company** : NORDIA S.A.  
364, Kifissias Av., 15233 Halandri, Greece

**Company telephone** : +30 2295022225  
**Emergency telephone number** +30 6932605482

**2. HAZARDS IDENTIFICATION****Classification of the mixture****Classification according to 1272/2008(CLP)**

**Other hazards:** Skin corrosion 1B: H 314, Acute toxicity 4:H302,  
Skin sensitization 1:H317, Aquatic chronic 3:H412

**Label elements****Hazard:**

Dangerous

**Signal word:****Hazard statement(s):**

H314: Causes severe skin burns and eye damage  
H302: Harmful if swallowed  
H317: May cause an allergic skin reaction  
H412: Harmful to aquatic life with long lasting effects

**Precautionary statement(s):**

P280, Wear protective gloves/protective clothing/eye protection/face protection.  
P273, Avoid release to the environment  
P302+352, IF ON SKIN: Gently wash with plenty of soap and water.  
P305+P351+P338, IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P333+P313, If skin irritation or rash occurs: Get medical advice/ attention.



**Classification according to 67/548/EEC (DSD)**

**Danger:**



Corrosive

**Risk phrases:**

R34: Causes burns.  
 R43: May cause sensitization by skin contact  
 R21/22: Harmful in contact with skin and if swallowed.  
 R 52/53- Harmful to aquatic organism  
 May cause long-term adverse effects in the aquatic environment

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

**Composition:** Preparation / mixture of amines and benzyl alcohol.

Chemical name	EC-No	REACH-No	Index-No	CAS-No	Amount (%)	Classification according Regulation (EC) No 1272/2008 [CLP]		Classification according 67/548/EEC
						Hazard class & category	Hazard statement	
Fatty acids, tall-oil, with tetraethylenepentamine				68953-36-6	30-40			
Benzyl alcohol	202-859-9		603-057-00-5	100-51-6	10-20	Acute Tox. 4 Acute Tox. 4	H332 H302	Xn, R20/22
3-aminomethyl-3,5,5-trimethylcyclohexylamine	220-666-8		612-067-00-9	2855-13-2	10-20	Acute Tox. 4 Acute Tox. 4 Skin Corr. 1B Skin Sens. 1 Aquatic Chronic 3	H312 H302 H314 H317 H412	C R21/22 R34 R43 R52/53
Bisphenol A polymer with 5-amino-1,3,3-trimethylcyclohexanemethanamine and				38294-64-3	10-20			C, R21/22 R34 R43 N, R51/53
3,6,9-triazaundecamethylenediamine; tetraethylenepentamine	203-986-2		612-060-00-0	112-57-2	1-10	Acute Tox. 4 Acute Tox. 4 Skin Corr. 1B Skin Sens. 1 Aquatic Chronic 2	H312 H302 H314 H317 H411	Xn, R21/22 C, R34 R43 N, R51-53
Other ingredients					1-10	Not classified		

Full text of R- and H-phrases: see section 16.

**4. FIRST AID MEASURES**

<b>General Instructions</b>	: If exist doubts or if the symptoms insist, seek for medical advice.
<b>Inhalation</b>	: Move the victim in open space with clean air. Do not give anything from the mouth. If the person has lost his senses, place him with caution and ask for medical advice.
<b>Skin Contact</b>	: Wash the skin thoroughly with soap and water or use suitable detergent. Do not use solvents or thinners.
<b>Eye Contact</b>	: Remove the contact lenses. Wash immediately the eyes with water for 15 minutes holding the eyelids open.
<b>Ingestion</b>	: In case of ingestion do not cause vomit, seek immediately for medical advice and show them this safety data sheet.

**5. FIRE FIGHTING MEASURES**

<b>Suitable Extinguishing Agents</b>	: Alcohol Resistant Foam, CO <sub>2</sub> , fire fighting dust. Do not use water jet with pressure.
<b>Special hazards during fire fighting</b>	: The fire produces dense, black smoke. Freeze with water the closed containers that are exposed in fire.
<b>Special Protective Equipment</b>	: Use suitable respiratory device and suitable protective clothes.

**6. ACCIDENTAL RELEASE MEASURES**

<b>Personal precautions</b>	: Avoid contact with skin, eyes and the inhalation of vapors. Wear protective clothes.
<b>Environmental precautions</b>	: Do not allow the product to reach ground/soil. Prevent material from reaching sewage system, holes and cellars. Inform respective authorities in case product reaches water or sewage system.
<b>Clean up methods</b>	: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of the material collected according to regulations.

**7. HANDLING AND STORAGE**

<b>Handling</b>	: The vapours can form explosive mixtures with air. Prevent the creation of flammable or explosive concentration of vapours in air and avoid concentration of vapours bigger than the limits of professional report. Moreover, the product should be used only in spaces in which do not exist sources of lighting without cover and sources of ignition. Protect the electric equipment according to the suitable method. For the induction of static electricity at the duration of transfusion, ground the container properly. The operators should wear anti-static footwear and clothing and the floor should be grounded. The container must be maintained hermetically closed. Keep away from heat, sparks and flames. It should not be used with tools that can cause spark. Avoid contact with skin and eyes. Avoid the inhalation of
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dust, particles and vapours that are created during the application of this preparation. Avoid the inhalation of dust that is created at the duration of work of rubbing. The consumption of food, drinks and the smoking should be prohibited in spaces of handling, storage and treatment of this material. The workers should wash their hands before the reception of food, drinks and the smoking. Wear suitable personal protective equipment (see also chapter 8).

Never use pressure in order to empty the container. Maintain always the product in containers manufactured from the same material with the initial container. If the operators are spraying should work in booth of spraying. In such circumstances they should wear respiratory appliance at the duration of process of spraying and until the concentration of particles and steams of solvent falls under the limits of reports.

**Storage**

: Store according to the local regulations. Read the precautions that are written in the label. Store in cool, well ventilated space far from incompatible materials and sources of ignition.

Keep away from: Oxidant mediums, powerful alkalis, powerful acids. The smoking is prohibited. Prevent the access in not permitted individuals. Close hermetically and carefully the containers that have been opened and maintain them in straight place. Do not empty the rest of the content in the sewerage.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Mechanical measures** : Provide sufficient ventilation. Where it is practical possible, should be used suitable ventilation system.

**Equipment of personal protection**

Respiratory protection : If the workers are exposed in concentrations above the limit of report, it should be used suitable respiratory devices.

Protection of skin/ body : The personnel should wear protective clothes that cover all the parts of the body.

Protection of hands : For extended or repeated work, use gloves of neoprene or nitrile.

Eye Protection : Wear safety glasses.

Control of environmental report : Do not leave the material to induce in sewerages.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical state** : Paste  
**Odour** : Amine  
**Colour** : Light Yellow  
**Ignition Point** : Not calculated  
**Boiling point** : Not calculated  
**Flammable point** : Not calculated  
**Pressure of vapors** : Not calculated  
**Viscosity at 23 °C** : ≈ 150 mPa.s  
**Density** : 1.00 g/ml  
**Solubility** : Insoluble in cold and hot water

**10. STABILITY AND REACTIVITY**

<b>Conditions that should be avoided</b>	:It is not decomposed under normal use. Avoid high temperatures.
<b>Materially that should be avoided</b>	:Drastic metals like Sodium, Calcium, Strong Acids and oxidant factors. Organic acids like Citric acid and Sodium Hypochlorite. Materials that reacts with hydroxy compounds. The material corrodes slowly copper, aluminum, zinc and galvanized surfaces. Reaction with peroxides can lead to violent split of peroxides with probability of explosion. It should not come in contact with nitride acid or even with atmosphere that has high concentration of nitride acid because forms dangerous substances for the health.
<b>Dangerous decomposition materials</b>	:Nitric acid, Ammonia, Nitride oxide. Carbon monoxide, Carbon Dioxide, Alheydes, Nitrozamine.

**11. TOXICOLOGICAL INFORMATION**

<b>Acute oral toxicity</b>	: LD50 > 2,000 mg/ kg.
<b>Acute inhalation toxicity</b>	: No Data Available
<b>Acute dermal toxicity</b>	: LD50 > 2,000 mg/kg
<b>Eye irritation</b>	: Corrosive
<b>Skin irritation</b>	: Corrosive

**12. ECOLOGICAL INFORMATION**

**Elimination information (persistence and degradability)**

<b>Biodegradability</b>	: The solvent is readily biodegradable, but the product contains components that are persistent in the environment. : Not expected to bio accumulate significantly.
<b>Bioaccumulation</b>	
<b>Ecotoxicity effects</b>	
<b>Toxicity to fish</b>	Expected to be slightly toxic, 10 < LC/EC/IC 50 <= 100 mg/l.
<b>Toxicity to algae</b>	Expected to be slightly toxic, 10 < LC/EC/IC 50 <= 100 mg/l.
<b>Acute toxicity – Invertebrates</b>	Expected to be slightly toxic, 10 < LC/EC/IC 50 <= 100 mg/l.
<b>Mobility</b>	: Sinks in fresh water, but will float on seawater. Partly dissolves, but a significant proportion will remain after one day. If product enters soil, one or more constituents will be mobile and may contaminate groundwater.
<b>Sewage treatment Basis for assessment</b>	: Practically non toxic, LC/EC/IC 50 > 100 mg/l . : Ecotoxicological data have not been determined specifically for this product. The information given below is based on a knowledge of the components and the ecotoxicology of similar products.

**13. DISPOSAL CONSIDERATIONS**

Do not release it in sewerages or in aquatic sources. Dispose according to all the national and local regulations.

Dangerous Waste : The classification of product fulfils the criteria for dangerous waste.

**14. TRANSPORT INFORMATION****Transport on road ADR/RID**

Number UN : 2735  
Name of Transport Document : CONTAINS POLYAMINE AND BENZYL ALCOHOL  
Class : 8  
Packaging group : III  
Label ADR/RID

**Transport with boat in the sea IMDG**

Number UN : 2735  
Name of Transport Document : CONTAINS POLYAMINE AND BENZYL ALCOHOL  
IMDG class : 8  
Sea waste : -  
Packaging group : III  
Label IMDG

**Air transport ICAO/IATA**

Number UN : 2735  
Name of Transport Document : CONTAINS POLYAMINE AND BENZYL ALCOHOL  
ICAO/IATA Class : 8  
Packaging group : III  
Label ICAO/IATA

**15. REGULATORY INFORMATION**

**Regulations E.C.** : The preparation is classified as follows, according to directive 1272/2008/EC .

**Contains** : Epoxy Hardener Contains polyamine and benzyl alcohol.



Dangerous

**Hazard statement(s)**  
H314: Causes severe skin burns and eye damage  
H302: Harmful if swallowed  
H317: May cause an allergic skin reaction  
H412: Harmful to aquatic life with long lasting effects

**Precautionary statement(s)**  
P280, Wear protective gloves/protective clothing/eye protection/face protection.  
P273, Avoid release to the environment

P302+352, IF ON SKIN: Gently wash with plenty of soap and water.  
 P305+P351+P338, IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P333+P313, If skin irritation or rash occurs: Get medical advice/ attention.  
:The preparation is classified as follows, according to directive 1999/45/EC .

**Regulations E.C.**

**Symbol(s):**



Corrosive

**Risk Phrases**

R34  
 R43  
 R21/22  
 R52/53

: R34, R21/22, R43, R52/53  
 Causes burns.  
 May cause sensitization by skin contact  
 Harmful in contact with skin and if swallowed.  
 Harmful to aquatic organism  
 May cause long-term adverse effects in the aquatic environment

**Safety Phrases**

S26  
 S36/37/39  
 S45  
 S61

: S26, S36/37/39, S45, S61  
 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
 Wear suitable gloves, clothes and eye/face protection.  
 In case of accident or if you feel unwell, seek medical advice immediately (show the label whenever possible).  
 Avoid release to the environment. Refer to special instructions / safety data sheets.

**Other regulations**

Directive 2004/42/EC  
 :Cat A/j < 500g/l , consist <200 g/l.

**16. OTHER INFORMATION**

These statements are based on our current level of knowledge, do not constitute guarantee for the attributes of product neither justify legal consequences.

**Relevant (Hazard) H-phrases**

H314: Causes severe skin burns and eye damage  
 H317: May cause an allergic skin reaction  
 H302: Harmful if swallowed  
 H312: Harmful in contact with skin  
 H332: Harmful if inhaled  
 H411: Toxic to aquatic life with long lasting effects  
 H412: Harmful to aquatic life with long lasting effects

**Relevant (Risk) R-phrases**

R34 : Causes burns.  
 R20/21/22: Harmful when inhaled, in contact with skin and in case of ingestion.

R 43: May cause sensitization by skin contact

R 51/53: Toxic to aquatic organisms .May cause long-term adverse effects in the aquatic environment.

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

The information that is provided through this Safety Data Sheet is right according to our knowledge and information at the day of publication. The information that are given must be used only as a guide of use, storage, disposal and transport and it should not be considered as guarantee for it's quality.

The information that is given is related only for this material and not in combination with other materials and with other processes.