

SAFETY DATA SHEET



UV PRIMER UW0310/UW031030000,UW031082000

1. Identification of the preparation and of the company

Product name and/or code : UV PRIMER UW0310/UW031030000,UW031082000
Manufacturer : BonaKemi AB
Box 210 74
SE-200 21 MALMÖ
SWEDEN
+46-(0)40-38 55 00
Product use : UV-Primer

2. Composition/information on ingredients

Substances presenting a health or environmental hazard within the meaning of the Dangerous Substances Directive 67/548/EEC.

Chemical name*	CAS number	%	EC number	Classification
2-Hydroxy-2-Methyl-1-Phenyl Propan-1-one	7473-98-5	1 - 2.5	231-272-0	Xn; R22 N; R50/53
2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester	868-77-9	0 - 1	212-782-2	Xi; R36/38 R43
See section 16 for the full text of the R-phrases declared above				

Occupational exposure limits, if available, are listed in section 8.

3. Hazards identification

The preparation is classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification : R52/53
Environmental hazards : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Additional warning phrases : Contains (2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester). May produce an allergic reaction.

4. First aid measures

First aid measures

General : In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Give nothing by mouth. If unconscious, place in recovery position and seek medical advice.

Skin contact : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use solvents or thinners. In case of accidental skin contact, avoid concurrent exposure to the sun or other sources of UV light which may increase the sensitivity of skin.

Eye contact : Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. In case of accidental eye contact, avoid concurrent exposure to the sun or other sources of UV light which may increase the sensitivity of the eyes.

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4. First aid measures

- Ingestion** : If swallowed, seek medical advice immediately and show this container or label.
Keep person warm and at rest. Do not induce vomiting.

5. Fire-fighting measures

- Extinguishing media** : Recommended: alcohol-resistant foam, CO₂ blanket, water spray or mist.
Not to be used : water jet.
- Recommendations** : Fire will produce dense black acrid smoke. Exposure to decomposition products may cause a health hazard. Appropriate breathing apparatus may be required. Cool closed containers exposed to fire with water. Do not release runoff from fire to sewers or waterways.

6. Accidental release measures

- Personal precautions** : Exclude sources of ignition and ventilate the area. Avoid breathing vapor or mist.
Refer to protective measures listed in sections 7 and 8.
- Spill** : Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Do not allow to enter drains or watercourses. Preferably clean with a detergent. Avoid using solvents. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

Note: see section 8 for personal protective equipment and section 13 for waste disposal.

7. Handling and storage

Persons with a history of skin sensitization problems should not be employed in any process in which this preparation is used.

- Handling** : Use only in well-ventilated areas.

Avoid contact with skin and eyes. Avoid the inhalation of dust, particulates, spray or mist arising from the application of this preparation. Avoid inhalation of dust from sanding.

Keep container tightly closed. Keep away from heat, sparks and flame. No sparking tools should be used.

Never use pressure to empty. Container is not a pressure vessel. Always keep in containers made from the same material as the original one.

Put on appropriate personal protective equipment (see section 8).

Eating, drinking and smoking should be prohibited in area where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking.

Comply with the health and safety at work laws.

- Storage** : Store in accordance with local regulations. Observe label precautions. Store in a cool, well-ventilated area away from incompatible materials and ignition sources. Keep away from heat and direct sunlight.

Keep away from: oxidizing agents, strong alkalis, strong acids.

No smoking. Prevent unauthorized access. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Keep only in the original container.

Do not empty into drains..

8. Exposure controls/personal protection

Engineering measures : Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapors below the OEL, suitable respiratory protection must be worn.

Occupational exposure limits : Not available.

Personal protective equipment

Respiratory system : In situations where misting or flying may occur, use appropriate certified respirators.

Skin and body : Personnel should wear protective clothing.

Hands

Gloves : nitrile rubber

Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred.

The recommendation for the type or types of glove to use when handling this product is based on information from the following source:

The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment.

Eyes : Use safety eyewear designed to protect against splash of liquids.

Environmental exposure controls

Do not allow to enter drains or watercourses.

9. Physical and chemical properties

Physical state : Liquid.

Odor : Acrylic.

Color : Clear. White.

Flash point : Closed cup: >100°C (212°F).

Viscosity : Dynamic: 1200 cP

Relative density : 1.05 (Water = 1)

Solubility : Soluble in cold water, hot water.

10. Stability and reactivity

This preparation contains materials which are unstable under the following conditions: strong UV sources, free radical initiators, peroxides, strong alkalis, reactive metals. These could cause the product to polymerize exothermically. Unintentional contact with them should be avoided.

11. Toxicological information

There is no data available on the preparation itself. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified for toxicological hazards accordingly. See sections 2 and 15 for details.

Acrylate components of the preparation have irritating properties. Prolonged or repeated contact with skin or mucous membrane may result in irritation symptoms, such as redness, blistering, dermatitis etc. May cause allergic skin reactions with repeated exposure. If splashed in the eyes, the liquid may cause irritation and reversible damage. The inhalation of airborne droplets or aerosols may cause irritation of the respiratory tract. Ingestion may cause nausea, weakness and central nervous system effects.

Contains (2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester). May produce an allergic reaction.

12. Ecological information

There is no data available on the preparation itself.
Do not allow to enter drains or watercourses.

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is classified for eco-toxicological properties accordingly. See sections 2 and 15 for details.

Ecotoxicity data

<u>Product/ingredient name</u>	<u>Species</u>	<u>Period</u>	<u>Result</u>
2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester	Fish (LC50)	96 hour/hours	227 mg/l

Ecological information

Persistence/degradability

<u>Product/ingredient name</u>	<u>Aquatic half-life</u>	<u>Photolysis</u>	<u>Biodegradability</u>
2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester	-	84%; 28 day/days.	Readily

Bioaccumulative potential

<u>Product/ingredient name</u>	<u>LogP_{ow}</u>	<u>BCF</u>	<u>Potential</u>
2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester	0.47	-	low

13. Disposal considerations

Do not allow to enter drains or watercourses.
Dispose of according to all federal, state and local applicable regulations.

European waste catalogue (EWC) : The European Waste Catalogue classification of this product, when disposed of as waste, is: 08 01 11* waste paint and varnish containing organic solvents or other dangerous substances. If this product is mixed with other wastes, this code may no longer apply. If mixed with other wastes, the appropriate code should be assigned. For further information, contact your local waste authority.

Hazardous waste : Yes.

14. Transport information

Transport within user's premises always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Sea

Special provisions : Not available.

Marine pollutant : No.

Air

Special provisions : Not available.

The "viscosity exemption" provisions do not apply to air transport.

Inland waterways

Proper shipping name : -

Packing group : -

This product is not regulated for carriage according to ADR/RID, IMDG, ICAO/IATA.

15. Regulatory information

- EU regulations** : The product is classified and labelled for supply in accordance with the Directive 1999/45/EC as follows:
- Risk phrases** : R52/53- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- Safety phrases** : S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S27/28- After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of Soap. and water.
S60- This material and its container must be disposed of as hazardous waste.
- Additional warning phrases** : Contains (2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester). May produce an allergic reaction.
- Industrial use** : The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation. The provisions of the national health and safety at work regulations apply to the use of this product at work.

16. Other information

- CEPE Classification** : 4
- Full text of R-phrases referred to in sections 2 and 3 - Europe** : R22- Harmful if swallowed.
R36/38- Irritating to eyes and skin.
R43- May cause sensitization by skin contact.
R50/53- Very 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 in this Safety Data Sheet is required pursuant to EU Directive 91/155/EEC and its amendments.

- Date of issue** : 2007-04-18.
- Version** : 2

Notice to reader

The information in this SDS is based on the present state of our knowledge and on current laws. The product is not to be used for purposes other than those specified under section 1 without first obtaining written handling instructions. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. The information in this SDS is meant to be a description of the safety requirements for our product. It is not to be considered a guarantee of the product's properties.

SAFETY DATA SHEET



UV BASE COAT HR UB9020/UB902030000

1. Identification of the preparation and of the company

Product name and/or code : UV BASE COAT HR UB9020/UB902030000
Manufacturer : BonaKemi AB
Box 210 74
SE-200 21 MALMÖ
SWEDEN
+46-(0)40-38 55 00
Product use : UV-Base coat

2. Composition/information on ingredients

Substances presenting a health or environmental hazard within the meaning of the Dangerous Substances Directive 67/548/EEC.

Chemical name*	CAS number	%	EC number	Classification
acrylated resin Tripropylene glycol diacrylate	42978-66-5	75 - 100 2.5 - 10	256-032-2	Xi; R36 Xi; R36/37/38 R43
2-Hydroxy-2-Methyl-1-Phenyl Propan-1-one	7473-98-5	2.5 - 10	231-272-0	N; R51/53 Xn; R22 N; R50/53
See section 16 for the full text of the R-phrases declared above				

Occupational exposure limits, if available, are listed in section 8.

3. Hazards identification

The preparation is classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification : Xi; R36
R43
N; R51/53
Human health hazards : Irritating to eyes.
May cause sensitization by skin contact.
Environmental hazards : Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

4. First aid measures

First aid measures

General : In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Give nothing by mouth. If unconscious, place in recovery position and seek medical advice.
Skin contact : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use solvents or thinners. In case of accidental skin contact, avoid concurrent exposure to the sun or other sources of UV light which may increase the sensitivity of skin.

4. First aid measures

- Eye contact** : Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open.
In case of accidental eye contact, avoid concurrent exposure to the sun or other sources of UV light which may increase the sensitivity of the eyes.
- Ingestion** : If swallowed, seek medical advice immediately and show this container or label.
Keep person warm and at rest. Do not induce vomiting.

5. Fire-fighting measures

- Extinguishing media** : Recommended: alcohol-resistant foam, CO₂ blanket, water spray or mist.
Not to be used : water jet.
- Recommendations** : Fire will produce dense black acrid smoke. Exposure to decomposition products may cause a health hazard. Appropriate breathing apparatus may be required. Cool closed containers exposed to fire with water. Do not release runoff from fire to sewers or waterways.

6. Accidental release measures

- Personal precautions** : Exclude sources of ignition and ventilate the area. Avoid breathing vapor or mist.
Refer to protective measures listed in sections 7 and 8.
- Spill** : Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Do not allow to enter drains or watercourses. Preferably clean with a detergent. Avoid using solvents. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

Note: see section 8 for personal protective equipment and section 13 for waste disposal.

7. Handling and storage

Persons with a history of skin sensitization problems should not be employed in any process in which this preparation is used.

- Handling** : Use only in well-ventilated areas.
- Avoid contact with skin and eyes. Avoid the inhalation of dust, particulates, spray or mist arising from the application of this preparation. Avoid inhalation of dust from sanding.
- Keep container tightly closed. Keep away from heat, sparks and flame. No sparking tools should be used.
- Never use pressure to empty. Container is not a pressure vessel. Always keep in containers made from the same material as the original one.
- Put on appropriate personal protective equipment (see section 8).
- Eating, drinking and smoking should be prohibited in area where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking.
- Comply with the health and safety at work laws.
- Storage** : Store in accordance with local regulations. Observe label precautions. Store in a cool, well-ventilated area away from incompatible materials and ignition sources. Keep away from heat and direct sunlight.
- Keep away from: oxidizing agents, strong alkalis, strong acids.
No smoking. Prevent unauthorized access. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Keep only in the original

7. Handling and storage

container.
Do not empty into drains..

8. Exposure controls/personal protection

Engineering measures : Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapors below the OEL, suitable respiratory protection must be worn.

Occupational exposure limits : Not available.

Personal protective equipment

Respiratory system : In situations where misting or flying may occur, use appropriate certified respirators.

Skin and body : Personnel should wear protective clothing.

Hands

Gloves : nitrile rubber

Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred.

The recommendation for the type or types of glove to use when handling this product is based on information from the following source:

The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment.

Eyes : Use safety eyewear designed to protect against splash of liquids.

Environmental exposure controls

Do not allow to enter drains or watercourses.

9. Physical and chemical properties

Physical state	: Liquid.
Odor	: Acrylic.
Color	: White to yellowish.
Flash point	: Closed cup: >100°C (212°F).
pH	: Acidic.
Viscosity	: Dynamic: 2000 cP
Relative density	: 1.12 (Water = 1)
Solubility	: Insoluble in cold water, hot water.

10. Stability and reactivity

This preparation contains materials which are unstable under the following conditions: strong UV sources, free radical initiators, peroxides, strong alkalis, reactive metals. These could cause the product to polymerize exothermically. Unintentional contact with them should be avoided.

11. Toxicological information

There is no data available on the preparation itself. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified for toxicological hazards accordingly. See sections 2 and 15 for details.

Acrylate components of the preparation have irritating properties. Prolonged or repeated contact with skin or mucous membrane may result in irritation symptoms, such as redness, blistering, dermatitis etc. May cause allergic skin reactions with repeated exposure. If splashed in the eyes, the liquid may cause irritation and reversible damage. The inhalation of airborne droplets or aerosols may cause irritation of the respiratory tract. Ingestion may cause nausea, weakness and central nervous system effects.

11. Toxicological information

Contains (Tripropylene glycol diacrylate). May produce an allergic reaction.

The following products have sensitizing properties: acrylated resin, Tripropylene glycol diacrylate, 2-butoxiethanol, 2-ethylhexane-1-ol, Cyclohexane. Cases of hypersensitivity may occur, possibly with cross-sensitization to other acrylate materials.

12. Ecological information

There is no data available on the preparation itself.
Do not allow to enter drains or watercourses.

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is classified for eco-toxicological properties accordingly. See sections 2 and 15 for details.

Ecotoxicity data

Product/ingredient name	Species	Period	Result
Tripropylene glycol diacrylate	Fish (LC50)	96 hour/hours	5 mg/l
	Daphnia (LC50)	48 hour/hours	50 mg/l
	Algae (EC50)	72 hour/hours	55 mg/l

Ecological information

Persistence/degradability

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Tripropylene glycol diacrylate	-	-	Not readily

Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
Tripropylene glycol diacrylate	2.77	-	low

13. Disposal considerations

Do not allow to enter drains or watercourses.
Dispose of according to all federal, state and local applicable regulations.

European waste catalogue (EWC) : The European Waste Catalogue classification of this product, when disposed of as waste, is: 08 01 11* waste paint and varnish containing organic solvents or other dangerous substances. If this product is mixed with other wastes, this code may no longer apply. If mixed with other wastes, the appropriate code should be assigned. For further information, contact your local waste authority.

Hazardous waste : Yes.

14. Transport information

Transport within user's premises always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Land - road/railway

UN number	: UN3082
Transport document name	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Tripropylene glycol diacrylate, 2-Hydroxy-2-Methyl-1-Phenyl Propan-1-one)
ADR/RID Class	: 9
Packing group	: III
ADR/RID Label	:



14. Transport information

Sea

UN number	: UN3082
Proper shipping name	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Tripropylene glycol diacrylate, 2-Hydroxy-2-Methyl-1-Phenyl Propan-1-one)
Special provisions	: Not available.
IMDG Class	: 9
Packing group	: III
IMDG Label	:



Marine pollutant : No.

Air

UN number	: UN3082
Proper shipping name	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Tripropylene glycol diacrylate, 2-Hydroxy-2-Methyl-1-Phenyl Propan-1-one)
Special provisions	: Not available.
ICAO/IATA Classification	: 9
Packing group	: III

The "viscosity exemption" provisions do not apply to air transport.

ICAO/IATA label :



Inland waterways

Proper shipping name	: -
Packing group	: -

15. Regulatory information

EU regulations : The product is classified and labelled for supply in accordance with the Directive 1999/45/EC as follows:

Hazard symbol/symbols :



Irritant, Dangerous for the environment.

Risk phrases :

- : R36- Irritating to eyes.
- : R43- May cause sensitization by skin contact.
- : R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases :

- : S24- Avoid contact with skin.
- : S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- : S27/28- After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of Soap. and water.
- : S37- Wear suitable gloves.
- : S60- This material and its container must be disposed of as hazardous waste.

15. Regulatory information

Contains	: Tripropylene glycol diacrylate
Industrial use	: The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation. The provisions of the national health and safety at work regulations apply to the use of this product at work.

16. Other information

CEPE Classification	: 4
Full text of R-phrases referred to in sections 2 and 3 - Europe	: R22- Harmful if swallowed. R36- Irritating to eyes. R36/37/38- Irritating to eyes, respiratory system and skin. R43- May cause sensitization by skin contact. R50/53- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

The information in this Safety Data Sheet is required pursuant to EU Directive 91/155/EEC and its amendments.

Date of issue	: 2007-02-08.
Version	: 1

Notice to reader

The information in this SDS is based on the present state of our knowledge and on current laws. The product is not to be used for purposes other than those specified under section 1 without first obtaining written handling instructions. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. The information in this SDS is meant to be a description of the safety requirements for our product. It is not to be considered a guarantee of the product's properties.

SAFETY DATA SHEET

Bona[®]

UV BASE COAT UB0124/UB012430000,UB012484000

1. Identification of the preparation and of the company

Product name and/or code : UV BASE COAT UB0124/UB012430000,UB012484000
Manufacturer : Bona AB
 Box 210 74
 SE-200 21 MALMÖ
 SWEDEN
 Tel. +46-(0)40-38 55 00
e-mail address of person responsible for this SDS : marie.holmgren@bona.com
Product use : UV-Base coat

2. Hazards identification

The preparation is classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification : Xi; R36/37/38
 R43
 N; R51/53
Human health hazards : Irritating to eyes, respiratory system and skin. May cause sensitization by skin contact.
Environmental hazards : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. Composition/information on ingredients

Substances presenting a health or environmental hazard within the meaning of the Dangerous Substances Directive 67/548/EEC.

Chemical name*	CAS number	%	EC number	Classification
POLYESTER ACRYLATE		25 - 50		Xi; R36/38 [1]
Tripropylene glycol diacrylate	42978-66-5	25 - 50	256-032-2	Xi; R36/37/38 [1] R43 N; R51/53
2-Hydroxy-2-Methyl-1-Phenyl Propan-1-one	7473-98-5	2.5 - 10	231-272-0	Xn; R22 [1] N; R50/53
Triethylene glycol diacrylate	1680-21-3	1 - 2.5	216-853-9	Xi; R36/38 [1] R43
Methanone, diphenyl-	119-61-9	0 - 1	204-337-6	Xi; R36/37/38 [1] R52/53
2-Propenoic acid	79-10-7	0 - 1	201-177-9	R10 [1] Xn; R20/21/22 C; R35 N; R50
See section 16 for the full text of the R-phrases declared above				

There are no ingredients or additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

Occupational exposure limits, if available, are listed in section 8.

Date of issue/Date of revision : 2008-10-30.

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4. First aid measures

First aid measures

- General** : In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
- Inhalation** : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Give nothing by mouth. If unconscious, place in recovery position and seek medical advice.
- Skin contact** : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use solvents or thinners. In case of accidental skin contact, avoid concurrent exposure to the sun or other sources of UV light which may increase the sensitivity of skin.
- Eye contact** : Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. In case of accidental eye contact, avoid concurrent exposure to the sun or other sources of UV light which may increase the sensitivity of the eyes.
- Ingestion** : If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do not induce vomiting.

5. Fire-fighting measures

- Extinguishing media** : Recommended: alcohol-resistant foam, CO₂ blanket, water spray or mist. Not to be used : water jet.
- Recommendations** : Fire will produce dense black acrid smoke. Exposure to decomposition products may cause a health hazard. Appropriate breathing apparatus may be required. Cool closed containers exposed to fire with water. Do not release runoff from fire to sewers or waterways.

6. Accidental release measures

- Personal precautions** : Exclude sources of ignition and ventilate the area. Avoid breathing vapor or mist. Refer to protective measures listed in sections 7 and 8.
- Spill** : Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Do not allow to enter drains or watercourses. Preferably clean with a detergent. Avoid using solvents. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

Note: see section 8 for personal protective equipment and section 13 for waste disposal.

7. Handling and storage

Persons with a history of skin sensitization problems should not be employed in any process in which this product is used.

- Handling** : Use only in well-ventilated areas.

Avoid contact with skin and eyes. Avoid the inhalation of dust, particulates, spray or mist arising from the application of this preparation. Avoid inhalation of dust from sanding.

Keep container tightly closed. Keep away from heat, sparks and flame. No sparking tools should be used.

Never use pressure to empty. Container is not a pressure vessel. Always keep in containers made from the same material as the original one.

Put on appropriate personal protective equipment (see section 8).

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking.

7. Handling and storage

Comply with the health and safety at work laws.

Storage : Store in accordance with local regulations. Observe label precautions. Store in a cool, well-ventilated area away from incompatible materials and ignition sources. Keep away from heat and direct sunlight.

Keep away from: oxidizing agents, strong alkalis, strong acids.
No smoking. Prevent unauthorized access. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Keep only in the original container.

Do not empty into drains.

8. Exposure controls/personal protection

Engineering measures : Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapors below the OEL, suitable respiratory protection must be worn.

Occupational exposure limits : Not available.

Personal protective equipment

Respiratory system : In situations where misting or flying may occur, use appropriate certified respirators.

Skin and body : Personnel should wear protective clothing.

Hands

Gloves : For prolonged or repeated handling, use the following type of gloves:

Recommended: nitrile rubber

Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred.

The recommendation for the type or types of glove to use when handling this product is based on information from the following source:

The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment.

Eyes : Use safety eyewear designed to protect against splash of liquids.

Environmental exposure controls

Do not allow to enter drains or watercourses.

9. Physical and chemical properties

Physical state : Liquid.

Odor : Acrylic.

Color : Colorless to light yellow.

Flash point : Closed cup: >100°C (>212°F)

Viscosity : Dynamic: 2000 mPa·s (2000 cP)

Relative density : 1,12

Solubility : Insoluble in the following materials: cold water and hot water.

10. Stability and reactivity

This preparation contains materials which are unstable under the following conditions: strong UV sources, free radical initiators, peroxides, strong alkalis, reactive metals. These could cause the product to polymerize exothermically. Unintentional contact with them should be avoided.

11. Toxicological information

There is no data available on the preparation itself. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified for toxicological hazards accordingly. See sections 2 and 15 for details.

Acrylate components of the preparation have irritating properties. Prolonged or repeated contact with skin or mucous membrane may result in irritation symptoms, such as redness, blistering, dermatitis etc. May cause allergic skin reactions with repeated exposure. If splashed in the eyes, the liquid may cause irritation and reversible damage. The inhalation of airborne droplets or aerosols may cause irritation of the respiratory tract. Ingestion may cause nausea, weakness and central nervous system effects.

Contains Tripropylene glycol diacrylate, Triethylene glycol diacrylate. May produce an allergic reaction.

The following products have sensitizing properties: POLYESTER ACRYLATE, Tripropylene glycol diacrylate, Triethylene glycol diacrylate, Methanone, diphenyl-, 2-butoxiethanol, 2-ethylhexane-1-ol, Cyclohexane, 1-Octene. Cases of hypersensitivity may occur, possibly with cross-sensitization to other acrylate materials.

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Tripropylene glycol diacrylate	LD50 Oral	Rat	>2000 mg/kg	-
Methanone, diphenyl-	LD50 Dermal	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	>2000 mg/kg	-
2-Propenoic acid	LD50 Dermal	Rabbit	640 mg/kg	-
	LD50 Oral	Rat	2500 mg/kg	-
	LD50 Oral	Rat	190 mg/kg	-

Conclusion/Summary : Not available.

Chronic toxicity

Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

Mutagenicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

Reproductive toxicity

Conclusion/Summary : Not available.

12. Ecological information

There is no data available on the preparation itself. Do not allow to enter drains or watercourses.

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is classified for eco-toxicological properties accordingly. See sections 2 and 15 for details.

Aquatic ecotoxicity

Product/ingredient name	Test	Result	Species	Exposure
Tripropylene glycol diacrylate	-	Acute EC50 55 mg/L	Algae	72 hours
	-	Acute LC50 50 mg/L	Daphnia	48 hours
	-	Acute LC50 5 mg/L	Fish	96 hours
Methanone, diphenyl-	-	Acute IC50 30,1 mg/L	Daphnia	72 hours
	-	Acute LC50 43 mg/L	Fish	96 hours
2-Propenoic acid	-	Acute EC50 50 mg/L	Daphnia	48 hours
	-	Acute EC50 <1	Algae	72 hours

12. Ecological information

- mg/L
Acute LC50 50 Fish 96 hours
mg/L

Conclusion/Summary : Not available.

Ecological information

Biodegradability

Conclusion/Summary : Not available.

Product/ingredient name

Tripropylene glycol diacrylate
Methanone, diphenyl-

Aquatic half-life

-
-

Photolysis

-
-

Biodegradability

Not readily
Not readily

Bioaccumulative potential

Product/ingredient name

Tripropylene glycol diacrylate
2-Propenoic acid

LogP_{ow}

2.77
<3

BCF

-
-

Potential

low
low

13. Disposal considerations

Do not allow to enter drains or watercourses.

Dispose of according to all federal, state and local applicable regulations.

European waste catalogue (EWC) : The European Waste Catalogue classification of this product, when disposed of as waste, is: 08 01 11* waste paint and varnish containing organic solvents or other dangerous substances. If this product is mixed with other wastes, this code may no longer apply. If mixed with other wastes, the appropriate code should be assigned. For further information, contact your local waste authority.

Hazardous waste : Yes.

14. Transport information

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Land - road/railway

UN number : UN3082

Transport document name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Tripropylene glycol diacrylate, 2-Hydroxy-2-Methyl-1-Phenyl Propan-1-one)

ADR/RID Class : 9

Packing group : III

ADR/RID Label :



Sea

UN number : UN3082

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Tripropylene glycol diacrylate, 2-Hydroxy-2-Methyl-1-Phenyl Propan-1-one)

Special provisions : Not available.

Marine pollutant substances : Tripropylene glycol diacrylate

IMDG Class : 9

Packing group : III

IMDG Label :



Marine pollutant : P

Date of issue/Date of revision : 2008-10-30.

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14. Transport information

Emergency schedules (EmS) : F-A,S-F

Air

UN number : UN3082

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Tripropylene glycol diacrylate, 2-Hydroxy-2-Methyl-1-Phenyl Propan-1-one)

Special provisions : Not available.

ICAO/IATA Classification : 9

Packing group : III

The "viscosity exemption" provisions do not apply to air transport.

ICAO/IATA label :



Inland waterways

Proper shipping name : -

Packing group : -

15. Regulatory information

EU regulations : The product is classified and labelled for supply in accordance with the Directive 1999/45/EC as follows:

Hazard symbol or symbols :



Irritant, Dangerous for the environment

Risk phrases : R36/37/38- Irritating to eyes, respiratory system and skin.
R43- May cause sensitization by skin contact.

R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases : S24- Avoid contact with skin.
S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S27/28- After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of soap and water.
S37- Wear suitable gloves.
S60- This material and its container must be disposed of as hazardous waste.

Contains : Tripropylene glycol diacrylate
Triethylene glycol diacrylate

Europe inventory : **Europe inventory:** Not determined.

Industrial use : The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation. The provisions of the national health and safety at work regulations apply to the use of this product at work.

16. Other information

CEPE Classification : 4

16. Other information

Full text of R-phrases referred to in sections 2 and 3 - Europe : R10- Flammable.
R22- Harmful if swallowed.
R20/21/22- Harmful by inhalation, in contact with skin and if swallowed.
R35- Causes severe burns.
R36/38- Irritating to eyes and skin.
R36/37/38- Irritating to eyes, respiratory system and skin.
R43- May cause sensitization by skin contact.
R50- Very toxic to aquatic organisms.
R50/53- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53- 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 in this Safety Data Sheet is required pursuant to EU Directive 91/155/EEC and its amendments.

Date of issue/Date of revision : 2008-10-30.

Version : 1

☑ Indicates information that has changed from previously issued version.

Notice to reader

The information in this SDS is based on the present state of our knowledge and on current laws. The product is not to be used for purposes other than those specified under section 1 without first obtaining written handling instructions. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. The information in this SDS is meant to be a description of the safety requirements for our product. It is not to be considered a guarantee of the product's properties.

SAFETY DATA SHEET

UV TOP COAT UT7570/UT757030000

1. Identification of the preparation and of the company

Product name and/or code : UV TOP COAT UT7570/UT757030000

Manufacturer : BonaKemi AB
Box 210 74
SE-200 21 MALMÖ
SWEDEN
Tel. +46-(0)40-38 55 00

e-mail address of person responsible for this SDS : marie.holmgren@bona.com

Product use : UV-Top coat

2. Hazards identification

The preparation is classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification : Xi; R36/38
R43

Human health hazards : Irritating to eyes and skin. May cause sensitization by skin contact.

3. Composition/information on ingredients

Substances presenting a health or environmental hazard within the meaning of the Dangerous Substances Directive 67/548/EEC.

Chemical name*	CAS number	%	EC number	Classification
acrylated resin		25 - 50		Xi; R36 [1]
POLYESTER ACRYLATE		10 - 25		Xi; R36/38 [1]
Tetraacrylate de Pentaerythritol Alkoxyyle		2.5 - 10		Xi; R36 [1]
1,6-hexandioldiacrylate	13048-33-4	2.5 - 10	235-921-9	Xi; R36/38 [1] R43
Tripropylene glycol diacrylate	42978-66-5	1 - 2.5	256-032-2	Xi; R36/37/38 [1] R43
Methanone, diphenyl-	119-61-9	1 - 2.5	204-337-6	N; R51/53 Xi; R36/37/38 [1] R52/53
See section 16 for the full text of the R-phrases declared above				

There are no ingredients or additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

Occupational exposure limits, if available, are listed in section 8.

4. First aid measures

First aid measures

General : In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Give nothing by mouth. If unconscious, place in recovery position and seek medical advice.

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4. First aid measures

- Skin contact** : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use solvents or thinners. In case of accidental skin contact, avoid concurrent exposure to the sun or other sources of UV light which may increase the sensitivity of skin.
- Eye contact** : Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. In case of accidental eye contact, avoid concurrent exposure to the sun or other sources of UV light which may increase the sensitivity of the eyes.
- Ingestion** : If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do not induce vomiting.

5. Fire-fighting measures

- Extinguishing media** : Recommended: alcohol-resistant foam, CO₂ blanket, water spray or mist. Not to be used : water jet.
- Recommendations** : Fire will produce dense black acrid smoke. Exposure to decomposition products may cause a health hazard. Appropriate breathing apparatus may be required. Cool closed containers exposed to fire with water. Do not release runoff from fire to sewers or waterways.

6. Accidental release measures

- Personal precautions** : Exclude sources of ignition and ventilate the area. Avoid breathing vapor or mist. Refer to protective measures listed in sections 7 and 8.
- Spill** : Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Do not allow to enter drains or watercourses. Preferably clean with a detergent. Avoid using solvents. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

Note: see section 8 for personal protective equipment and section 13 for waste disposal.

7. Handling and storage

Persons with a history of skin sensitization problems should not be employed in any process in which this product is used.

- Handling** : Use only in well-ventilated areas.

Avoid contact with skin and eyes. Avoid the inhalation of dust, particulates, spray or mist arising from the application of this preparation. Avoid inhalation of dust from sanding.

Keep container tightly closed. Keep away from heat, sparks and flame. No sparking tools should be used.

Never use pressure to empty. Container is not a pressure vessel. Always keep in containers made from the same material as the original one.

Put on appropriate personal protective equipment (see section 8).

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking.

Comply with the health and safety at work laws.

7. Handling and storage

- Storage** : Store in accordance with local regulations. Observe label precautions. Store in a cool, well-ventilated area away from incompatible materials and ignition sources. Keep away from heat and direct sunlight.
- Keep away from: oxidizing agents, strong alkalis, strong acids.
No smoking. Prevent unauthorized access. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Keep only in the original container.
Do not empty into drains.

8. Exposure controls/personal protection

- Engineering measures** : Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapors below the OEL, suitable respiratory protection must be worn.

- Occupational exposure limits** : Not available.

Personal protective equipment

- Respiratory system** : In situations where misting or flying may occur, use appropriate certified respirators.

- Skin and body** : Personnel should wear protective clothing.

Hands

- Gloves** : For prolonged or repeated handling, use the following type of gloves:

Recommended: nitrile rubber

Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred.

The recommendation for the type or types of glove to use when handling this product is based on information from the following source:

The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment.

- Eyes** : Use safety eyewear designed to protect against splash of liquids.

Environmental exposure controls

Do not allow to enter drains or watercourses.

9. Physical and chemical properties

- Physical state** : Liquid.
- Odor** : Acrylic
- Color** : White to yellowish.
- Flash point** : Closed cup: >100°C (>212°F)
- Viscosity** : Dynamic: 950 mPa·s (950 cP)
- Relative density** : 1,09
- Solubility** : Insoluble in the following materials: cold water and hot water.

10. Stability and reactivity

This preparation contains materials which are unstable under the following conditions: strong UV sources, free radical initiators, peroxides, strong alkalis, reactive metals. These could cause the product to polymerize exothermically. Unintentional contact with them should be avoided.

11. Toxicological information

There is no data available on the preparation itself. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified for toxicological hazards accordingly. See sections 2 and 15 for details.

Acrylate components of the preparation have irritating properties. Prolonged or repeated contact with skin or mucous membrane may result in irritation symptoms, such as redness, blistering, dermatitis etc. May cause allergic skin reactions with repeated exposure. If splashed in the eyes, the liquid may cause irritation and reversible damage. The inhalation of airborne droplets or aerosols may cause irritation of the respiratory tract. Ingestion may cause nausea, weakness and central nervous system effects.

Contains 1,6-hexandioldiacrylate, Tripropylene glycol diacrylate. May produce an allergic reaction.

The following products have sensitizing properties: acrylated resin, POLYESTER ACRYLATE, Tetraacrylate de Pentaerythritol Alkoxy, 1,6-hexandioldiacrylate, Tripropylene glycol diacrylate, Methanone, diphenyl-, Cyclohexane. Cases of hypersensitivity may occur, possibly with cross-sensitization to other acrylate materials.

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Tetraacrylate de Pentaerythritol Alkoxy 1,6-hexandioldiacrylate	LD50 Oral	Rat	>5000 mg/kg	-
	LD50 Dermal	Rabbit	>3000 mg/kg	-
	LD50 Oral	Rat	>2000 mg/kg	-
Tripropylene glycol diacrylate	LD50 Oral	Rat	>2000 mg/kg	-
	LD50 Dermal	Rat	>2000 mg/kg	-
Methanone, diphenyl-	LD50 Oral	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	>2000 mg/kg	-

Conclusion/Summary : Not available.

Chronic toxicity

Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

Mutagenicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

Reproductive toxicity

Conclusion/Summary : Not available.

12. Ecological information

There is no data available on the preparation itself. Do not allow to enter drains or watercourses.

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is not classified as dangerous for the environment but contains a substance or substances dangerous for the environment. See section 2 for details.

Aquatic ecotoxicity

Product/ingredient name	Test	Result	Species	Exposure
1,6-hexandioldiacrylate	-	Acute EC50 5 mg/L	Algae	72 hours
	-	Acute LC50 5 mg/L	Fish	96 hours
	-	Acute LC50 5 mg/L	Daphnia	48 hours
Tripropylene glycol diacrylate	-	Acute EC50 55 mg/L	Algae	72 hours
	-	Acute LC50 50 mg/L	Daphnia	48 hours
	-	Acute LC50 5 mg/L	Fish	96 hours

12. Ecological information

Methanone, diphenyl-	-	Acute IC50 30,1 mg/L	Daphnia	72 hours
	-	Acute LC50 43 mg/L	Fish	96 hours

Conclusion/Summary : Not available.

Ecological information

Biodegradability

Conclusion/Summary : Not available.

<u>Product/ingredient name</u>	<u>Aquatic half-life</u>	<u>Photolysis</u>	<u>Biodegradability</u>
1,6-hexandioldiacrylate	-	-	Readily
Tripropylene glycol diacrylate	-	-	Not readily
Methanone, diphenyl-	-	-	Not readily

Bioaccumulative potential

<u>Product/ingredient name</u>	<u>LogP_{ow}</u>	<u>BCF</u>	<u>Potential</u>
1,6-hexandioldiacrylate	2.81	-	low
Tripropylene glycol diacrylate	2.77	-	low

13. Disposal considerations

Do not allow to enter drains or watercourses.

Dispose of according to all federal, state and local applicable regulations.

European waste catalogue (EWC) : The European Waste Catalogue classification of this product, when disposed of as waste, is: 08 01 11* waste paint and varnish containing organic solvents or other dangerous substances. If this product is mixed with other wastes, this code may no longer apply. If mixed with other wastes, the appropriate code should be assigned. For further information, contact your local waste authority.

Hazardous waste : Yes.

14. Transport information

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Sea

Special provisions : Not available.

Marine pollutant : No.

Air

Special provisions : Not available.

The "viscosity exemption" provisions do not apply to air transport.

Inland waterways

Proper shipping name : -

Packing group : -

This product is not regulated for carriage according to ADR/RID, IMDG, ICAO/IATA.

15. Regulatory information

EU regulations : The product is classified and labelled for supply in accordance with the Directive 1999/45/EC as follows:

Hazard symbol or symbols :



Irritant

Risk phrases : R36/38- Irritating to eyes and skin.
R43- May cause sensitization by skin contact.

Date of issue/Date of revision : 2007-10-18.

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15. Regulatory information

Safety phrases	: S24- Avoid contact with skin. S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S27/28- After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of soap and water. S37- Wear suitable gloves. S60- This material and its container must be disposed of as hazardous waste.
Contains	: 1,6-hexandioldiacrylate Tripropylene glycol diacrylate
Europe inventory	: Europe inventory: Not determined.
Industrial use	: The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation. The provisions of the national health and safety at work regulations apply to the use of this product at work.

16. Other information

CEPE Classification	: 4
Full text of R-phrases referred to in sections 2 and 3 - Europe	: R36- Irritating to eyes. R36/38- Irritating to eyes and skin. R36/37/38- Irritating to eyes, respiratory system and skin. R43- May cause sensitization by skin contact. R51/53- 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 in this Safety Data Sheet is required pursuant to EU Directive 91/155/EEC and its amendments.

Date of issue/Date of revision : 2007-10-18.

Version : 1

☑ Indicates information that has changed from previously issued version.

Notice to reader

The information in this SDS is based on the present state of our knowledge and on current laws. The product is not to be used for purposes other than those specified under section 1 without first obtaining written handling instructions. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. The information in this SDS is meant to be a description of the safety requirements for our product. It is not to be considered a guarantee of the product's properties.