SAFETY DATA SHEETS

This SDS packet was issued with item: 074491460

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

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The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).

074491437 074491445 074491486 074491601 074491619 074565271

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Actiocms.com
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ACTIO MSDS ID: 997874

View Section : 12345678910111213141516

SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION (N/A)

Product Name: iBOND Total Etch

Distributor Name: Heraeus Kulzer GmbH Revision Date:12/22/2008 Trade Names:iBOND Total Etch Manufacturer Name:Heraeus Kulzer GmbH Address:Grⁿner Weg 11, D-63450 Hanau

Information department: Dr. Hoffmann Tel.: +49 6081 959-313 Fax: +49 6081 959-223

Emergency information: Call +49 30 19240 (24 hours).

General Use: Application of the substance/the preparation: Dental bonding material

Email: marcus.hoffmann@heraeus.com

Business Phone:0800 4372522 NFPA ratings for USA (scale 0-4) HMIS-Ratings (Scale 0-4) HMIS Health: *

Material Safety Data Sheet acc. to ISO/DIS 11014 NFPA 3 20

HMIS

0

HEALTH2 FIRE3 REACTIVITY0 PPE

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Ingredient NameCAS#Ingredient Percent

Glutaral111-30-80 - 5% EC Index Number:1 Hazard Symbols:T, N Risk Phrases:R 23/25-34-42/43-50 Comments:Dangerous component

Ethanol64-17-525 - 50% EC Index Number:1 Hazard Symbols:F Risk Phrases:R 11 Comments:Dangerous component

2-hydroxyethyl methacrylate868-77-910 - 25% EC Index Number:1 Hazard Symbols:Xi Risk Phrases:R 36/38-43 Comments:Dangerous component

Poly(methacrylic-oligo-acrylic acid)0 - 5% EC Index Number:1 Hazard Symbols:Xi Risk Phrases:R 36 Comments:Dangerous component

4-methacryloxyethyltrimellitic acid anhydride70293-55-90 - 5% EC Index Number:1 Hazard Symbols:Xn Risk Phrases:R 22-36/38-43 Comments:Dangerous component

Additional information For the wording of the listed risk phrases refer to section 16. To Top of page SECTION 3 : HAZARDS IDENTIFICATION: (N/A) Hazard description: Xn Harmful Information pertaining to particular dangers for man and environment: The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version. R 10 Flammable. R 20/22 Harmful by inhalation and if swallowed. R 37/38 Irritating to respiratory system and skin. R 41 Risk of serious damage to eyes. R 42/43 May cause sensitization by inhalation and skin contact. Classification system: The classification was made according to the latest editions of the EU-lists, and expanded upon from company and literature data. NFPA ratings for USA (scale 0-4) Health = 2Fire = 3Reactivity = 0HMIS-Ratings (Scale 0-4): Health = ± 2 Fire = 3Reactivity = 0To Top of page SECTION 4 : FIRST AID MEASURES: (N/A) Eye Contact:Rinse opened eye for several minutes under running water. Then consult a doctor. Skin Contact: Immediately wash with water and soap and rinse thoroughly. Inhalation: Supply fresh air; consult doctor in case of complaints. Ingestion: After swallowing: Immediately call a doctor. To Top of page

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SECTION 5 : FIRE FIGHTING MEASURES: (N/A)

Explosion: Danger of explosion: Product is not explosive. However, formation of explosive air/vapor mixtures are possible. Flash Point:24 deg C (75 deg F) Upper Flammable or Explosive Limit:15.0 Vol % Lower Flammable or Explosive Limit:3.5 Vol % Auto Ignition Temperature: 425 deg C (797 deg F) Extinguishing Media:CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Unsuitable Media: For safety reasons unsuitable extinguishing agents: Water with full jet. Hazardous Combustion Byproducts: Special hazards caused by the material, its products of combustion or resulting gases: Can form explosive gas-air mixtures. Formation of toxic gases is possible during heating or in case of fire. Protective Equipment: Mount respiratory protective device. Auto igniting: Product is not selfigniting.

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Personal Precautions:Person-related safety precautions: Wear protective equipment. Keep unprotected persons away. Spill Cleanup Measures:Measures for cleaning/collecting: Absorb with liquid binding material (diatomite, universal binders, for small amounts tissues). Send for recovery or disposal in suitable receptacles. Environmental Precautions:Measures for environmental protection: Do not allow to penetrate the ground/soil. No special measures required. Additional information: See Section 8 for information on personal protection

equipment.

See Section 13 for disposal information.

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Handling: Information for safe handling: Keep receptacles tightly sealed. Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.

Information about protection against explosions and fires: Keep ignition sources away - Do not smoke. Protect against electrostatic charges. Storage:Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Keep cool, if possible (not above 25 deg C). Hygiene Practices:Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Do not inhale gases / fumes / aerosols. Avoid contact with the eyes and skin.

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Personal Protective Equipment Routine Handling:General protective and hygienic measures Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Do not inhale gases / fumes / aerosols. Avoid contact with the eyes and skin. Hand Protection Description:Protection of hands: If skin contact cannot be avoided, protective gloves are recommended to avoid possible sensitization. Solvent resistant gloves

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material: The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable: Butyl rubber, BR Eye/Face Protection:Tightly sealed goggles. Protective Clothing/Body Protection:Body protection: Light weight protective clothing Respiratory Protection:Breathing equipment: Not necessary with efficient local exhaust. If exposition to vapours is possible, use breathing protective mask (filter A). Exposure Limits:Chemical Name: amorphes Siliziumdioxid PEL: Short-term value: 80 mg/m3 as % SiO2 REL: 6 mg/m3 TLV: 10 mg/m3 (e) Additional information about design of technical systems: No further data; see Section 7. Additional information: The lists that were valid during the creation were used as basis. Ingredient Guidelines Ingredient: Ethanol Guideline Type:OSHA PEL-TWA Guideline Information: 1900 mg/m3, 1000 ppm Guideline Type:NIOSH REL-TWA Guideline Information: 1900 mg/m3, 1000 ppm Guideline Type:ACGIH TLV-TWA Guideline Information: 1880 mg/m3, 1000 ppm Ingredient: Glutaral Guideline Type:NIOSH REL-STEL Guideline Information:Short-term value: C 0.8 mg/m3, C 0.2 ppm (SEN) Guideline Type:ACGIH TLV-TWA Guideline Information:Short-term value: C 0.2 mg/m3, C 0.05 ppm (SEN)

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Physical State/Appearance:Form: Fluid Color:Yellowish Odor:Characteristic Vapor Pressure:At 20 deg C (68 deg F): 57 hPa (43 mm Hg) Flash Point:24 deg C (75 deg F) Auto Ignition Temperature:425 deg C (797 deg F) Upper Explosive Limit:15.0 Vol % Lower Explosive Limit:3.5 Vol % Boiling Point:Undetermined Melting Point:Undetermined Solubility:In/Miscibility with Water: Not miscible or difficult to mix Density:Not determined Auto igniting: Product is not selfigniting.

Danger of explosion: Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

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Reactivity:Dangerous reactions: No dangerous reactions known Hazardous Decomposition Products:Dangerous products of decomposition: None To Top of page SECTION 11 : TOXICOLOGICAL INFORMATION: (N/A) Applies to All Ingredients : Sensitization: Sensitization possible through inhalation. Sensitization possible through skin contact. Irritation: Primary irritant effect: On the skin: Irritant to skin and mucous membranes. On the eye: Strong irritant with the danger of severe eye injury. Other Toxicological Information: Additional toxicological information: Harmful To Top of page SECTION 12 : ECOLOGICAL INFORMATION: (N/A) General notes: Avoid transfer into the environment. To Top of page ***** SECTION 13 : DISPOSAL CONSIDERATIONS: (N/A) ***** Waste Disposal: Product: Recommendation: Must not be disposed of together with household garbage. Do not allow product to reach sewage Uncleaned packagings: Recommendation: Disposal must be made according to official regulations. To Top of page ***** SECTION 14 : TRANSPORT INFORMATION: (N/A) ***** DOT Shipping Name: ETHANOL SOLUTION DOT UN Number: UN1170 DOT Hazard Class:3

system.

DOT Hazard Technical Name: ETHANOL SOLUTION

DOT Packing Group:III

DOT Subpart E Labeling Requirement:3 IATA Shipping Name: ETHANOL SOLUTION IATA Hazard Class:3 IATA UN Number:1170 IATA Packing Group: III IATA Class:3 RID/ADR: Packaging group: III RID/ADR Shipping Name: Description of goods: 1170 ETHANOL SOLUTION RID/ADR Dangerous Goods Code: (Kemler): 30 RID/ADR UN Number:1170 RID/ADR Class:3 (F1) Flammable liquids RID/ADR Warning Sign/Label:3 CGVS/GGVE/IMDG Technical Name: Propper shipping name: ETHANOL SOLUTION CGVS/GGVE/IMDG UN or NA Identification Number:1170 CGVS/GGVE/IMDG Class:3 CGVS/GGVE/IMDG Packaging Group: III CGVS/GGVE/IMDG Subsidiary Risk Label:3 EMS Number: F-E, S-D Maritime Pollutant:No Air transport ICAO-TI: Propper shipping name: ETHANOL SOLUTION ICAO Class: 3 UN/ID Number: 1170 Label: 3 Packaging group: III To Top of page SECTION 15 : REGULATORY INFORMATION: (N/A) Applies to All Ingredients : TSCA 8(b): Inventory Status: Medical devices are exempted from TSCA. Section 302:SARA Section 355 (extremely hazardous substances): None of the ingredients is listed. Section 313 Toxic Release Form: SARA Section 313 (specific toxic chemical listings): None of the ingredients is listed. State: Prop 65 - Chemicals known to cause cancer: None of the ingredients is listed. Risk Phrases:10 Flammable. 20/22 Harmful by inhalation and if swallowed. 37/38 Irritating to respiratory system and skin. 41 Risk of serious damage to eyes. 42/43 May cause sensitization by inhalation and skin contact. Safety Phrase: 7/9 Keep container tightly closed and in a well-ventilated place. 23 Do not breathe fumes 24 Avoid contact with skin. 26 In case of contact with eyes, rinse immediately with pler . of water and seek medical advice.

37/39 Wear suitable gloves and eye/face protection. 45 In case of accident or if you feel unwell, seek medical

advice immediately.

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Cancerogenity categories: EPA (Environmental Protection Agency): None of the ingredients is listed. IARC (International Agency for Research on Cancer): amorphes Siliziumdioxid 3 NTP (National Toxicology Program): None of the ingredients is listed. NIOSH-Ca (National Institute for Occupational Safety and Health): None of the ingredients is listed. OSHA-Ca (Occupational Safety & Health Administration): None of the ingredients is listed. Markings according to EU guidelines: The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials Code letter and hazard designation of product: Xn Harmful Hazard-determining components of labelling: 2-hydroxyethyl methacrylate Glutaral 4-methacryloxyethyltrimellitic acid anhydride Ethanol : Cancerogenity categories:TLV (Threshold Limit Value established by ACGIH): Chemical Name: Ethanol CAS: 64-17-5 Α4 Glutaral : Cancerogenity categories: TLV (Threshold Limit Value established by ACGIH): Chemical Name: Glutaral CAS: 111-30-8 A4 To Top of page SECTION 16 : ADDITIONAL INFORMATION: (N/A) ******* HMIS: Health Hazard:2 Fire Hazard:3 Reactivity:0 NFPA: Health:2 Fire Hazard:3

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Reactivity:0

MSDS Revision Date:12/22/2008

* Data compared to the previous version altered. MSDS Author:Department issuing MSDS: Safety department Contact: Dr. Thiele Tel.: (+49) 6181 35-3012 Email: ruediger.thiele@heraeus.com NFPA ratings for USA (scale 0-4) HMIS-Ratings (Scale 0-4) HMIS Health: * ÷

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Relevant R-phrases 11 Highly flammable. 22 Harmful if swallowed. 23/25 Toxic by inhalation and if swallowed. 34 Causes burns. 36 Irritating to eyes. 36/38 Irritating to eyes and skin. 42/43 May cause sensitization by inhalation and skin contact. 43 May cause sensitization by skin contact. 50 Very toxic to aquatic organisms.

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de

Printing date 05/12/2015 Reviewed on 05/12/2015 1 Identification · Product identifier · Trade name: iBOND Total Etch · Relevant identified uses of the substance or mixture and uses advised against No further relevant information available. · Application of the substance / the mixture Dental bonding material · Details of the supplier of the safety data sheet Manufacturer/Supplier: Heraeus Kulzer GmbH Grüner Weg 11, D-63450 Hanau Tel.: 0800 4372522 Information department: Marc Henn Tel. +1 (574) 2995444 / Fax: +1 (574) 2912542 e-mail: marc.henn@kulzer-dental.com Emergency telephone number: Emergency CONTACT (24-Hour-Number) GBK/Infotrac ID 105860: (domestic) 1 800 535 5053 or international (001) 352 323 3500 2 Hazard(s) identification Classification of the substance or mixture H226 Flammable liquid and vapour. Flam. Liq. 3 Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. Carc. 1A H350 May cause cancer. Eve Dam. 1 H318 Causes serious eye damage. Skin Irrit. 2 H315 Causes skin irritation. Skin Sens. 1 H317 May cause an allergic skin reaction. · Label elements · GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS). Hazard pictograms GHS02 GHS05 GHS08 · Signal word Danger · Hazard-determining components of labeling: ethanol 2-hydroxyethyl methacrylate glutaral 4-methacryloxyethyltrimellitic acid anhydride · Hazard statements Flammable liquid and vapour. Causes skin irritation. Causes serious eye damage. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. May cause cancer. Precautionary statements Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use explosion-proof electrical/ventilating/lighting/equipment. (Contd. on page 2) USA

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Trade name: iBOND Total Etch

(Contd. of page 1)

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

Classification system

• NFPA ratings for USA (scale 0-4)



· HMIS-Ratings (Scale 0-4)



· Results of PBT and vPvB assessment

• PBT: Not applicable.

· vPvB: Not applicable.

3 Composition/information on ingredients • Chemical characterization: Mixtures • Description: -			
	ous components:		
64-17-5	ethanol	25-50%	
868-77-9	2-hydroxyethyl methacrylate	10-25%	
	Poly(methacrylic-oligo-acrylic acid)	0-5%	
70293-55-9	4-methacryloxyethyltrimellitic acid anhydride	0-5%	
111-30-8	glutaral	0-5%	

4 First-aid measures

· Description of first aid measures

• After inhalation Supply fresh air; consult doctor in case of complaints.

After skin contact Immediately wash with water and soap and rinse thoroughly.
 After eye contact

Rinse opened eye for several minutes under running water. Then consult a doctor.

• After swallowing Immediately call a doctor.

Most important symptoms and effects, both acute and delayed

- No further relevant information available.
- Indication of any immediate medical attention and special treatment needed No further relevant information available.

5 Fire-fighting measures

· Extinguishing media

· Suitable extinguishing agents

CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

(Contd. on page 3)

Printing date 05/12/2015

Reviewed on 05/12/2015

(Contd. of page 2)

Trade name: iBOND Total Etch

• For safety reasons unsuitable extinguishing agents Water with full jet. • Special hazards arising from the substance or mixture

Can form explosive gas-air mixtures.

Formation of toxic gases is possible during heating or in case of fire.

- Advice for firefighters
 - · Protective equipment: Mount respiratory protective device.
 - · Additional information -

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Wear protective equipment. Keep unprotected persons away.
- Environmental precautions: Do not allow to penetrate the ground/soil. No special measures required.
- *Methods and material for containment and cleaning up:* Absorb with liquid binding material (diatomite, universal binders, for small amounts tissues). Send for recovery or disposal in suitable receptacles.
- **Reference to other sections** See Section 13 for disposal information. See Section 8 for information on personal protection equipment.

7 Handling and storage

- Precautions for safe handling Keep receptacles tightly sealed.
 Ensure good ventilation/exhaustion at the workplace.
 Prevent formation of aerosols.
 Information about protection against explosions and fires: Keep ignition sources away - Do not smoke.
 - Protect against electrostatic charges.
- · Conditions for safe storage, including any incompatibilities

· Storage

- Requirements to be met by storerooms and receptacles: No special requirements.
- · Information about storage in one common storage facility: Not required.
- *Further information about storage conditions:* Keep cool, if possible (not above 25 °C).
- **Specific end use(s)** No further relevant information available.

-	8 Exposure controls/personal protection			
·A	 Additional information about design of technical systems: No further data; see item 7. 			
	rol parameters			
	 Components with limit values that require monitoring at the workplace: 			
64-1	7-5 ethanol			
	1900 mg/m³, 1000 ppm			
REL	1900 mg/m³, 1000 ppm			
TLV	1880 mg/m³, 1000 ppm			
111-:	111-30-8 glutaral			
	Short-term value: C 0.8 mg/m³, C 0.2 ppm			
TLV	Short-term value: C 0.2 mg/m³, C 0.05 ppm SEN			

(Contd. on page 4)

Printing date 05/12/2015

· Auto igniting:

Reviewed on 05/12/2015

Trade name: iBOND Total Etch (Contd. of page 3) 112926-00-8 amorphous silica PEL Short-term value: 80 mg/m³ as % SiO2 REL 6 mg/m³ TLV 10 mg/m³ (e) · Additional information: The lists that were valid during the creation were used as basis. Exposure controls Personal protective equipment General protective and hygienic measures Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Do not inhale gases / fumes / aerosols. Avoid contact with the eyes and skin. Breathing equipment: Not necessary with efficient local exhaust. If exposition to vapours is possible, use breathing protective mask (filter A). Protection of hands: If skin contact cannot be avoided, protective gloves are recommended to avoid possible sensitization. Solvent resistant gloves Material of gloves The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application. Penetration time of glove material The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed. · For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable: Butyl rubber, BR · Eye protection: Tightly sealed goggles. · Body protection: Light weight protective clothing 9 Physical and chemical properties · Information on basic physical and chemical properties General Information · Appearance: Form: Fluid Color: Yellowish · Odor: Characteristic Change in condition Melting point/Melting range: undetermined · Boiling point/Boiling range: undetermined · Flash point: 24 °C (75 °F) · Ignition temperature: 425 °C (797 °F)

USA

(Contd. on page 5)

Product is not selfigniting.

Printing date 05/12/2015

Reviewed on 05/12/2015

Trade name: iBOND Total Etch

	(Contd. of page 4)
· Danger of explosion:	Product is not explosive. However, formation of explosive air/ vapor mixtures are possible.
· Explosion limits:	
· Lower:	3.5 Vol %
· Upper:	15.0 Vol %
 Vapor pressure at 20 °C 	(68 °F): 57 hPa (43 mm Hg)
· Density:	Not determined
· Solubility in / Miscibility	with
· Water:	Not miscible or difficult to mix
 Other information 	No further relevant information available.

10 Stability and reactivity

- · Possibility of hazardous reactions No dangerous reactions known
- · Conditions to avoid No further relevant information available.
- · Incompatible materials: No further relevant information available.
- · Hazardous decomposition products: none
 - · Additional information:

11 Toxicological information

Information on toxicological effects

Acute toxicity:

- · Primary irritant effect:
 - on the skin: Irritant to skin and mucous membranes.
 - on the eye: Strong irritant with the danger of severe eye injury.
- Sensitization:

Sensitization possible through inhalation.

Sensitization possible through skin contact.

· Additional toxicological information: Harmful

· Carcinogenic categories

· IARC (International Agency for Research on Cancer)

112926-00-8 amorphous silica

· NTP (National Toxicology Program)

None of the ingredients is listed.

· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

12 Ecological information

Toxicity

- · Aquatic toxicity: No further relevant information available.
- · Persistence and degradability No further relevant information available.
- · Bioaccumulative potential No further relevant information available.
- · Mobility in soil No further relevant information available.
 - Additional ecological information:
- General notes: Avoid transfer into the environment. Results of PBT and vPvB assessment
- - PBT: Not applicable.

(Contd. on page 6)

3

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(Contd. of page 5)

Trade name: iBOND Total Etch

· vPvB: Not applicable.

· Other adverse effects No further relevant information available.

13 Disposal considerations

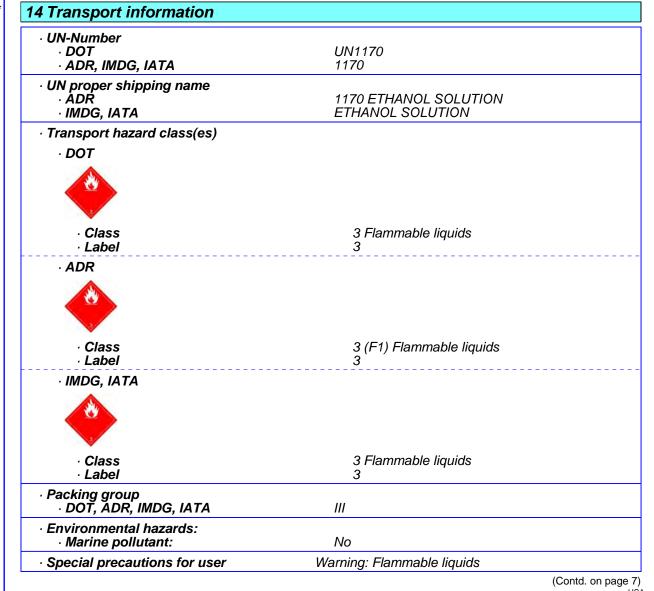
· Waste treatment methods

Recommendation

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

· Uncleaned packagings:

• Recommendation: Disposal must be made according to official regulations.



USA -

Printing date 05/12/2015

Reviewed on 05/12/2015

USA

Trade name: iBOND Total Etch (Contd. of page 6) · Danger code (Kemler): 30 · EMS Number: F-E,S-D Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable. · Transport/Additional information: UN1170, Ethanol (Ethyl alcohol), 3, III · UN "Model Regulation": 15 Regulatory information · Safety, health and environmental regulations/legislation specific for the substance or mixture · SARA Section 355 (extremely hazardous substances) None of the ingredients is listed. · TSCA (Toxic Substances Control Act) Medical devices are exempted from TSCA. · Cancerogenity categories TLV (Threshold Limit Value established by ACGIH) 64-17-5 ethanol A4 111-30-8 glutaral A4 · GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS). Hazard pictograms GHS02 GHS05 GHS08 · Signal word Danger Hazard-determining components of labeling: ethanol 2-hydroxyethyl methacrylate glutaral 4-methacryloxyethyltrimellitic acid anhydride · Hazard statements Flammable liquid and vapour. Causes skin irritation. Causes serious eve damage. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. May cause cancer. Precautionary statements Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use explosion-proof electrical/ventilating/lighting/equipment. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations. (Contd. on page 8)

Printing date 05/12/2015

Reviewed on 05/12/2015

Trade name: iBOND Total Etch

(Contd. of page 7)

• Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Date of preparation / last revision 05/12/2015/Abbreviations and acronyms: ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation NATA: International Air Transport dssociation ACGIH: American Conference of Governmental Industrial Hygienists EINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) Flam. Lig. 3: Flammable liquids, Hazard Category 3 Skin Irit: 2: Skin corrosion/iritation, Hazard Category 1 Resp. Sens. 1: Sensitisation - Skin, Hazard Category 1 Carc. 14: Carcinogenicity, Hazard Category 1A * Data compared to the previous version altered.