

Kerr™

SAFETY DATA SHEET Herculite XRV Ultra Flow

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name Herculite XRV Ultra Flow

1.2. Relevant identified uses of the substance or mixture and uses advised against

Applications Dental prophylaxis paste.

1.3. Details of the supplier of the safety data sheet

Supplier Kerr Italia S.r.l.
Via Passanti, 332
84018 Scafati (SA) - Italy
Tel: +39-081-850-8311
E-mail: safety@kerrhawe.com

Contact person E-mail: safety@kerrhawe.com (Mobile Phone number 08.00 – 23.00: +39-340.1721884)

Manufacturer

Kerr Corporation
1717 West Collins Avenue
92867 Orange – CALIFORNIA (U.S.A.)
Tel: 00-800-41-050-505
safety@kerrhawe.com

1.4. Emergency telephone number

Emergency telephone number 112 # The UK National Poisons Emergency number: +44 870 600 6266 WEB: <http://www.toxbase.org>

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to directive 1272/2008 (CLP) GHS07, Warning
Skin Irrit. 2: H315
Skin Sens. 1: H317
Eye Irrit. 2: H319
STOT SE 3: H335

2.2. Label elements

CLP

Hazard pictograms



Signal word	Warning
Hazard statements	Skin Irrit. 2: H315 Causes skin irritation. Skin Sens. 1: H317 May cause an allergic skin reaction. Eye Irrit. 2: H319 Causes serious eye irritation. STOT SE 3: H335 May cause respiratory irritation.
Precautionary statements	P270 Do not eat, drink or smoke when using this product. P280 Wear protective gloves/protective clothing/eye protection/face protection.
Contains	ethoxylated Bisphenol A-dimethacrylate
2.3. Other hazards	
Meets the criteria for vPvB	No.
Meets the criteria for PBT	No.
Other hazards which do not contribute to classification	No known risks.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Ingredients

Name	CAS No.	REACH No.	Content	Classification	Symbol
ethoxylated Bisphenol A-dimethacrylate	41637-38-1	01-211998065 9-17	10-30 %	Skin Irrit. 2: H315, Skin Sens. 1: H317, Eye Irrit. 2: H319, STOT SE 3: H335	GHS07, , Warning
2,2-ethylenedioxydiethyl dimethacrylate	109-16-0	01-211996928 7-21	1-10 %	Eye Irrit. 2: H319, Skin Irrit. 2: H315, STOT SE 3: H335	GHS07, , Warning
3-Methacryloxypropyltrimethoxysilane	2530-85-0	01-211951321 6-50	1-5 %	Skin Irrit. 2: H315, Eye Irrit. 2: H319, STOT SE 3: H335	GHS07, , Warning
bisphenol A-glycidyl methacrylate (BIS-GMA)	1565-94-2	N/A	1-5 %	Eye Irrit. 2: H319, Skin Irrit. 2: H315	GHS07, , Warning

Section 16 contains detailed classification phrases.

SECTION 4: First aid measures

4.1. Description of first aid measures

General Remove victim immediately from source of exposure. General first aid, rest, warmth and fresh air. Get medical attention if any discomfort continues.

4.2. Most important symptoms and effects, both acute and delayed

Specific first aid treatment No specific first aid measures noted.

4.3. Indication of any immediate medical attention and special treatment needed

Inhalation Provide rest, warmth and fresh air. Get medical attention if any discomfort continues.

Ingestion Rinse mouth with water. Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. Contact physician.

Skin Wash skin thoroughly with soap and water.

Eyes Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention if any discomfort continues.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Extinguishing media Use extinguishing media appropriate for surrounding fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards Non-flammable.

Hazardous combustion products Fire creates: Carbon dioxide (CO₂). Carbon monoxide (CO). Halogenated hydrocarbons. Metal oxides.

5.3. Advice for firefighters

Protective measures in fire Wear self-contained breathing apparatus (SCBA) to prevent contact with thermal decomposition products.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal protection Wear appropriate personal protective equipment - see Section 8.

6.2. Environmental precautions

Environmental protection Do not allow to enter drains, sewers or watercourses.

6.3. Methods and material for containment and cleaning up

Spill cleanup methods Absorb with inert, damp, non-combustible material, then flush area with water. Collect and reclaim or dispose in sealed containers in licensed waste.

6.4. Reference to other sections

See section 13 for waste handling.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid spilling, skin and eye contact. Avoid inhalation of vapours.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep in cool, dry, ventilated storage and closed containers. Keep away from heat, sparks and open flame. Keep in original container. Store at temperature, °C: 2 - 8 (35.6 - 46.4 °F).

7.3. Specific end use(s)

Specific use(s) Contact supplier for more information.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Ingredient comments WEL = Workplace exposure limits. SK= Skin absorbance, Rep= Reproduction, Carc= Carcinogenic Senz= Sensitisers, Mut= Carcinogenic

Protective equipment



Ventilation	No particular ventilation requirements.
8.2. Exposure controls	
Respirators	Respiratory protection not required.
Protective gloves	For exposure of 1 to 4 hours use gloves made of: Nitrile. Standard EN 374.
Eye protection	Wear approved safety goggles. Standard EN 166.
Other Protection	Protective clothing as needed.
Hygienic work practices	Wash at the end of each work shift and before eating, smoking and using the toilet.
DNEL	No data.
PNEC	No data.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Paste.	
Colour	Colourless.	
Odour	Odourless or no characteristic odour.	
Solubility description	Insoluble in water.	
Boiling point (°C, interval)	No information	Pressure
Melting/freezing point (°C, interval)	No information	
Density (g/cm³)	2,0	Temperature (°C)
Specific gravity	No information	
Vapour density (air=1)	No information	
Vapour pressure	No information	Temperature (°C)
Evaporation rate	No information	Reference
Evaporation factor	No information	
Volatility(%)	No information	
pH-value, conc. solution	No information	
Viscosity (interval)	No information	Temperature (°C)
Critical temp. (°C)	No information	
Decomposition temp. (°C)	No information	
Odour threshold	No information	
Flash point (°C)	No information	Method
Auto ignition temp. (°C)	No information	
Flammability limit (%)	No information	

9.2. Other information

Safety information	Not known.
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SECTION 10: Stability and reactivity

10.1. Reactivity

No reactive groups.

10.2. Chemical stability

Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerisation	Will not polymerise.
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10.4. Conditions to avoid

Avoid heat.

10.5. Incompatible materials

Materials to avoid Strong oxidising agents. Bases and alkalies.

10.6. Hazardous decomposition products

Hazardous decomp. products No hazardous decomposition products are emitted at recommended use and storage conditions.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Sensitization	May cause an allergic skin reaction.
Genotoxicity	No known heritable or mutagenic effects.
Carcinogenicity	No evidence of carcinogenic properties.
Reproduction toxicity	No known hazardous effects on reproduction, fertility or to the unborn child.
Inhalation	May cause respiratory irritation.
Ingestion	May cause irritation to the mouth and throat.
Skin	Causes skin irritation.
Eyes	Causes serious eye irritation.
COMPONENT:	2,2-ethylenedioxydiethyl dimethacrylate
Toxic dose - LD50:	10837 mg/kg (oral rat)
COMPONENT:	3-Methacryloxypropyltrimethoxysilane
Toxic dose - LD50:	23504 mg/kg (oral rat)
Toxic dose - LD50 (skin):	>15000 mg/kg (skin rabbit)

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

12.2. Persistence and degradability

Unknown.

12.3. Bioaccumulative potential

Unknown.

12.4. Mobility in soil

Mobility The product is insoluble in water.

12.5. Results of PBT and vPvB assessment

PTB/vPvB Component(s) is not identified as a PBT or vPvB-substance.

12.6. Other adverse effects

No known information.

COMPONENT:	2,2-ethylenedioxydiethyl dimethacrylate
Bioaccumulative potential	BCF:5,62 Component will not bio-accumulate.
Partition coefficient (log Pow)	1,88
COMPONENT:	3-Methacryloxypropyltrimethoxysilane
Partition coefficient (log Pow)	0,75
COMPONENT:	bisphenol A-glycidyl methacrylate (BIS-GMA)
Bioaccumulative potential	BCF:2,46 Will bioaccumulate.
Partition coefficient (log Pow)	4,94

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General/cleaning	Waste is classified as hazardous waste.
Disposal methods	Dispose of in accordance with Local Authority requirements.
Waste class	18 01 06* chemicals consisting of or containing dangerous substances The given EWC-code is a guiding, and the code depends on how the waste is formed. User must evaluate the choice of correct code.
Contaminated packaging	The product packaging must be disposed of in compliance with the country specific regulations.

SECTION 14: Transport information

General	No dangerous goods (ADR/RID, IMDG, IATA/ICAO)
ROAD TRANSPORT (ADR):	
14.1. UN number	
14.2. UN proper shipping name	
14.3. Transport hazard class(es)	
RAIL TRANSPORT (RID):	
SEA TRANSPORT (IMDG):	
TRANSPORT BY INLAND WATERWAYS (ADN):	
14.4. Packing group	
14.5. Environmental hazards	
Transport by inland waterways notes	Not applicable.
14.6. Special precautions for user	No particular precautions.
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	No IBC-code for bulk transport offshore (MARPOL).

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU directives	Diaggnostic medical devices, EU-directive 98/79/EC, EU-regulation 1272/2008, article 1, paragraph 5d, EU-regulation 453/2010/EC, 1907/2006/EC (REACH), 1272/2008/EC (CLP), 790/2009/EC. Transport of dangerous goods (ADR/RID, IMDG, IATA/ICAO). Workplace exposure limits.
15.2. Chemical safety assessment	
Chemical Safety Assessment	Chemical Safety Report (CSR) has not been carried out for this product.

SECTION 16: Other information

Explanations to classification in section 3	H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H335 May cause respiratory irritation.
* Information revised since the previous version of the SDS	
Revision comments	Revision 10.06.2015, no. 1: supersedes safety data sheet of 13.6.2014. Prepared in CLP-format. Changed name from "Herculite Ultra Flowable" to "Herculite XRV Ultra Flow". No changes in composition or classification.
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Date of issue 13.06.2014
Revision date 10.06.2015
Revision no. 1
Rev. no./repl. SDS generated 13.06.2014
Safety Data Sheet status CLP 04 ATP
Signature R. E. Lunde

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