Safety Data Sheet
PREMISE FLOWABLE (all shades)

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name : PREMISE FLOWABLE (all shades)

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

Relevant identified uses

Main use category : Professional use

Use of the substance/mixture : Dental materials.

Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

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

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

Contact person : safety@kerrhawe.com - tel. 00-800-41-050-505 (08.00-17.00)

1.4. Emergency telephone number

Emergency number : CHEMTREC® Emergency Call Center. Emergency Telephone Number (for USA only) 001-800-424-9300 International and Maritime Telephone Number +1 (703) 527-3887

Country	Organisation/Company	Address	Emergency number
United Kingdom	National Poisons Information Service (Newcastle Unit)	Claremont Place Newcastle-upon-Tyne, Newcastle	+44 191 2606182/+44 191 2606180 24H

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin Irrit. 2	H315
Eye Irrit. 2	H319
Skin Sens. 1	H317
STOT SE 3	H335

Full text of hazard classes and H-statements : see section 16

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :

GHS07

Signal word (CLP) : Warning

Hazardous ingredients : 3-Methacryloxypropyltrimethoxysilane, ethoxylated Bisphenol A-dimethacrylate, 2,2'-ethylenedioxydiethyl dimethacrylate, Ytterbium trifluorid, 2-Ethylhexyl 4-(dimethylamino)benzoate

Hazard statements (CLP) : H315 - Causes skin irritation
H317 - May cause an allergic skin reaction

H319 - Causes serious eye irritation
H335 - May cause respiratory irritation

Precautionary statements (CLP) : P280 - Wear eye protection, protective gloves
P337+P313 - If eye irritation persists: Get medical advice/attention
P302+P352 - IF ON SKIN: Wash with plenty of water
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention
P261 - Avoid breathing vapours, gas, fume
P312 - Call a doctor, a POISON CENTER if you feel unwell
P501 - Dispose of contents/container to ...

Extra phrases : The product is seen as a medical device and therefore not subject to labelling (EU-regulation 1907/2006, article 2, paragraph 6c).

2.3. Other hazards

Other hazards not contributing to the classification : None under normal conditions.

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
ethoxylated Bisphenol A-dimethacrylate	(CAS No) 41637-38-1 (EC no) 609-946-4 (REACH-no) 01-2119980659-17	=>10-<30	Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319 STOT SE 3, H335
3-Methacryloxypropyltrimethoxysilane	(CAS No) 2530-85-0 (EC no) 219-785-8 (REACH-no) 01-2119513216-50	=>5-<10	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
2,2'-ethylenedioxydiethyl dimethacrylate	(CAS No) 109-16-0 (EC no) 203-652-6 (REACH-no) 01-2119969287-21	=>5-<10	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
Ytterbium trifluorid	(CAS No) 13760-80-0 (EC no) 237-354-2 (REACH-no) N/A	=>5-<10	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
2-Ethylhexyl 4-(dimethylamino)benzoate	(CAS No) 21245-02-3 (EC no) 244-289-3 (REACH-no) N/A	=>0,1-<1	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
(1-methylethylidene)bis(4,1-phenyleneoxy(2-hydroxy-3,1-propanediyl)) ester	(CAS No) 1565-94-2 (EC no) 216-367- (REACH-no) N/A	=>0,5-<1	Skin Irrit. 2, H315 Eye Irrit. 2, H319

Full text of H-statements: see section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

First-aid measures general : General first aid, rest, warmth and fresh air. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

First-aid measures after skin contact : Gently wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention if you feel unwell.

First-aid measures after ingestion : If swallowed, rinse mouth with water (only if the person is conscious). Drink plenty of water. Do NOT induce vomiting. Get medical attention if any discomfort continues.

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

Symptoms/injuries after inhalation : May cause respiratory irritation. Cough.

Symptoms/injuries after skin contact : Causes skin irritation. May cause an allergic skin reaction. Redness.

Symptoms/injuries after eye contact : Causes serious eye irritation. redness, itching, tears.

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

No specific measures identified.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire. Foam, carbon dioxide (CO2) and powder.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Non flammable. On heating, there is a risk of bursting due to internal pressure build-up. Cool down the containers exposed to heat with a water spray.

Hazardous decomposition products in case of fire : No specific hazardous decomposition products noted. Nitrogen oxides. Carbon oxides (CO, CO2). metallic oxide. Halogenated compounds.

5.3. Advice for firefighters

Firefighting instructions : Prevent fire-fighting water from entering environment. Containers close to fire should be removed immediately or cooled with water. Evacuate area.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Use personal protective equipment as required. Avoid all eye and skin contact and do not breathe vapour and mist.

For non-emergency personnel

Protective equipment : See Heading 8.

For emergency responders

No additional information available

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Discharging into rivers and drains is forbidden.

6.3. Methods and material for containment and cleaning up

For containment : Collect all waste in suitable and labelled containers and dispose according to local legislation.

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Wash off with plenty of water.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not breathe vapours. Avoid contact with skin, eyes and clothing. Ensure good ventilation of the work station. Wear personal protective equipment. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a dry place. Store in a closed container. Store in original container. Protect from sunlight. Store in a well-ventilated place.

Incompatible materials : Amines. Organic peroxides.

7.3. Specific end use(s)

Consult the supplier for further information.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls : Ensure good ventilation of the work station. Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.

Personal protective equipment : Gloves. In case of splash hazard: safety glasses.

Hand protection	:	Wear suitable gloves. Butylrubber protective gloves. Layer thickness : 0,09mm. Breakthrough time : >480 min. STANDARD EN 374.
Eye protection	:	Use splash goggles when eye contact due to splashing is possible. STANDARD EN 166.
Skin and body protection	:	Wear suitable protective clothing
Respiratory protection	:	No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation. Extra personal protection: A/P2 filter respirator for organic vapour and harmful dust. Standard EN 141.

Other information	:	Do not eat, drink or smoke during use. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Appearance	:	Paste.
Colour	:	Various.
Odour	:	Fruity. Ester.
Odour threshold	:	No data available
pH	:	No data available
Relative evaporation rate (butylacetate=1)	:	No data available
Melting point	:	No data available
Freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Flammability (solid, gas)	:	No data available
Vapour pressure	:	No data available
Relative vapour density at 20 °C	:	No data available
Relative density	:	No data available
Density	:	2.5
Solubility	:	Insoluble in: Water.
Log Pow	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosive properties	:	No data available
Oxidising properties	:	No data available
Explosive limits	:	No data available

9.2. Other information

Additional information	:	None to our knowledge

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Will not polymerise.

10.4. Conditions to avoid

Keep away from heat and direct sunlight. Can polymerise exothermically if heated, exposed to air, sunlight or by addition or free radical initiators.

10.5. Incompatible materials

Amines. Organic peroxides.

10.6. Hazardous decomposition products

No decomposition if stored normally.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity : Not classified

3-Methacryloxypropyltrimethoxysilane (2530-85-0)	
LD50 oral rat	> 30000 mg/kg
LD50 dermal rabbit	> 15000 mg/kg
2,2'-ethylenedioxydiethyl dimethacrylate (109-16-0)	
LD50 oral rat	10837 mg/kg
2-Ethylhexyl 4-(dimethylamino)benzoate (21245-02-3)	
LD50 oral rat	5000 mg/kg bodyweight
LD50 dermal rat	> 2000 mg/kg bodyweight

Skin corrosion/irritation : Causes skin irritation.

Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitisation : May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : May cause respiratory irritation.

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology - general : Not regarded as dangerous to the environment. This does not, however, rule out the possibility that large or frequent smaller emissions of the product may be harmful to the environment.

12.2. Persistence and degradability

PREMISE FLOWABLE (all shades)	
Persistence and degradability	No data.

12.3. Bioaccumulative potential

PREMISE FLOWABLE (all shades)	
Bioaccumulative potential	No data.
3-Methacryloxypropyltrimethoxysilane (2530-85-0)	
Log Pow	0.75
2,2'-ethylenedioxydiethyl dimethacrylate (109-16-0)	
Bioconcentration factor (BCF REACH)	5.62
Log Pow	1.88
2-Ethylhexyl 4-(dimethylamino)benzoate (21245-02-3)	
Bioconcentration factor (BCF REACH)	5495
Log Pow	4.46
(1-methylethylidene)bis(4,1-phenyleneoxy(2-hydroxy-3,1- propanediyl)) ester (1565-94-2)	
Bioconcentration factor (BCF REACH)	2.46
Log Pow	4.94

12.4. Mobility in soil

PREMISE FLOWABLE (all shades)	
Ecology - soil	Insoluble in: Water.

12.5. Results of PBT and vPvB assessment

PREMISE FLOWABLE (all shades)
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

Other adverse effects : None to our knowledge.

Additional information : No other effects known

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Regional legislation (waste) : Dispose as hazardous waste.

Waste treatment methods : Dispose of in accordance with Local Authority requirements. Follow the instructions for destruction of used packing.

Waste disposal recommendations : Dispose of contents/container to ...

European List of Waste (LoW) code : 18 01 06* - chemicals consisting of or containing dangerous substances

SECTION 14: TRANSPORT INFORMATION

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group

14.5. Environmental hazards

Dangerous for the environment : No

Other information : No supplementary information available

14.6. Special precautions for user

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

IBC code : Not applicable.

SECTION 15: REGULATORY INFORMATION

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

EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

National regulations

EC-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

No chemical safety assessment has been carried out for the substance or the mixture by the supplier

SECTION 16: OTHER INFORMATION

Indication of changes:

Hazards identification. Regulatory information. Composition/information on ingredients.

2	Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]	Removed	
2	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Modified	
3.2	Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]	Removed	
3.2	Composition/information on ingredients	Modified	

Date of issue : 08/01/2007

Revision date : 12/11/2015

Supersedes : 20/05/2014

Version	:	5.0
Signature	:	A. Åsebø Murel

Full text of H- and EUH-statements:

Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Sensitisation — Skin, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H335	May cause respiratory irritation

The information in this safety data sheet is based on information from the manufacturer/supplier, present European and national legislation, and presupposes that the product is used within the specified area of application.