

SAFETY DATA SHEET

Regulation (EC) No 1907/2006 (REACH), Annex II
(COMMISSION REGULATION (EU) No 2015/830)

Issue date 03-Jan-2020

Revision date 03-Jan-2020

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

1.1. Product identifier

Product name Rearview Mirror Adhesive

1.2. Details of the supplier of the safety data sheet

Supplier HUZHOU GUONENG NEW MATERIAL CO.,LTD
Address NO.1-4#,1518MENGXI ROAD,HUZHOU,ZHEJIANG,CHINA
Postal code 313000
Phone 0086-572-2109399
Fax 0086-572-2352225
E-mail Sales@visbella.com

1.3. Emergency telephone number

0086-572-2352225

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Skin corrosion/irritation Category 2 - (H315)

Serious eye damage/eye irritation Category 2 - (H319)

Skin sensitization Category 1 - (H317)

Specific target organ toxicity (single exposure) Category 3 - (H335)

2.2. Label elements

Symbols/Pictograms



Signal word

Warning

Hazard statements

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H317 - May cause an allergic skin reaction

H335 - May cause respiratory irritation

Precautionary statements

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P321 - Specific treatment (see supplemental first aid instructions on this label)

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients**3.1. Mixture**

Chemical name	EC No	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
2-Hydroxyethyl methacrylate	212-782-2	868-77-9	35-45	Skin Irrit. 2 H315 Eye Irrit. 2 H319 Skin Sens. 1 H317
Poly(oxy-1,2-ethanediyl), α -hydro- - ω -hydroxy- Ethane-1,2-diol, ethoxylated	500-038-2	25322-68-3	36-40	STOT Single Exp. 3 H335
Epoxy resin	-	61788-97-4	25-30	Not classified

SECTION 4: First aid measures

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed.

Eye Contact:

Immediately flush eyes with large amounts of water for at least 15 minutes. Get immediate medical attention.

Skin Contact:

Immediately
least 15

Remove contaminated clothing and shoes.
flush skin with large amounts of water for at
minutes. Get immediate medical attention. Wash
contaminated clothing and clean shoes before

reuse.

Inhalation:

Remove person to fresh air. If signs/symptoms develop, get medical attention.

If Swallowed:

Do not induce vomiting. Give victim two glasses of water. Never give anything by mouth to an unconscious person. Get immediate medical attention.

SECTION 5: Firefighting measures**5.1 Flammable properties**

Autoignition temperature No Data Available

Flash Point ≥ 200 °F [Test Method: Tagliabue Closed Cup]

Flammable Limits(LEL) No Data Available

Flammable Limits(UEL) No Data Available

5.3 Protection of fire fighters

Special Fire Fighting Procedures: Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture. Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).

Unusual Fire and Explosion Hazards: Closed containers exposed to heat from fire may build pressure and explode. Vapors may travel long distances along the ground or floor to an ignition source and flash back.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Evacuate unprotected and untrained personnel from hazard area. The spill should be cleaned up by qualified personnel. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice. Warning! A motor could be an ignition source and could cause flammable gases or vapors in the spill area to burn or explode.

6.2. Environmental precautions

For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water. Place in a closed container approved for transportation by appropriate authorities. Dispose of collected material as soon as possible. Clean-up methods Observe precautions from other sections. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Collect as much of the

spilled material as possible

SECTION 7: Handling and storage

7.1 Handling

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Avoid breathing of vapors, mists or spray. Avoid skin contact. Avoid eye contact with vapors, mists, or spray. Keep out of the reach of children. For industrial or professional use only. Avoid contact with oxidizing agents. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits. If ventilation is not adequate, use respiratory protection Equipment.

7.2 Storage

Store away from acids. Store away from heat. Store out of direct sunlight. Store away from areas where product may come into contact with food or pharmaceuticals. Store away from oxidizing agents.

SECTION 8: Exposure controls/personal protection

Chemical Name	Australia	Austria	Belgium	Denmark	European Union
Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy-Ethane-1,2-diol, ethoxylated (CAS #: 25322-68-3)	-	STEL 4000 mg/m ³ TWA: 1000 mg/m ³	-	-	-

Chemical Name	Latvia	France	Finland	Germany	Italy
Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy-Ethane-1,2-diol, ethoxylated (CAS #: 25322-68-3)		-	-	TWA: 1000 mg/m ³ Ceiling / Peak: 8000 mg/m ³	-

Chemical Name	Norway	United Kingdom	ACGIH TLV	OSHA PEL	NIOSH IDLH
2-Hydroxyethyl methacrylate (CAS #: 868-77-9)	TWA: 2 ppm TWA: 11 mg/m ³ STEL: 2 ppm STEL: 11 mg/m ³	-	-	-	-

8.1 Engineering controls

Use in an enclosed process area is recommended. Use general dilution ventilation and/or local exhaust ventilation to control airborne

exposures to below Occupational Exposure Limits and/or control dust, fume, or airborne particles. If ventilation is not adequate, use respiratory protection equipment.

8.2 Personal protective equipment (PPE)

8.2.1 Eye/Face Protection

Avoid eye contact with vapors, mists, or spray. The following eye protection(s) are recommended: Safety Glasses with side shields
Indirect Vented Goggles.

8.2.2 Skin Protection

Avoid skin contact. Select and use gloves and/or protective clothing to prevent skin contact based on the results of an exposure assessment. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible materials. Gloves made from the following material(s) are recommended: Butyl Rubber Neoprene

8.2.3 Respiratory Protection

Avoid breathing of vapors, mists or spray. Select one of the following NIOSH approved respirators based on airborne concentration of contaminants and in accordance with OSHA regulations: Half facepiece or fullface air-purifying respirator with organic vapor cartridges. Select and use respiratory protection to prevent an inhalation exposure based on the results of an exposure assessment. Consult with your respirator manufacturer for selection of appropriate types of respirators.

8.2.4 Prevention of Swallowing

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water.

SECTION 9: Physical and chemical properties

Odor, Color, Grade:	Yellow Liquid, Sharp Odor
General Physical Form:	Liquid
Autoignition temperature:	No Data Available
Flash Point :	>=200 °F [Test Method: Tagliabue Closed Cup]
Flammable Limits(LEL):	No Data Available
Flammable Limits(UEL):	No Data Available
Boiling Point :	>=300 °F [@ 760 mmHg]
Density :	1.1 g/ml
Vapor Density:	Not Applicable
Vapor Pressure:	>=5.0 mmHg [Details: CONDITIONS: @ 75 F.]
Specific Gravity:	1.1 [Ref Std: WATER=1]
pH:	Not Applicable
Melting point:	No Data Available

Evaporation rate:	No Data Available
Hazardous Air Pollutants:	7.22 % weight [Test Method: Calculated]
Volatile Organic Compounds:	1.94 lb/gal [Test Method: calculated SCAQMD rule 443.1]
Volatile Organic Compounds:	21.1 % weight [Test Method: calculated per CARB title 2]
Volatile Organic Compounds:	232 g/l [Test Method: calculated SCAQMD rule 443.1]
Kow - Oct/Water partition coef:	No Data Available
Percent volatile:	21.1 %
VOC Less H2O & Exempt Solvents:	232 g/l [Test Method: calculated SCAQMD rule 443.1]
Viscosity:	No Data Available

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

Heat, flames and sparks.

10.5. Incompatible materials

None known based on information supplied.

10.6. Hazardous decomposition products

None under normal use conditions.

SECTION 11: Toxicological information

Acute toxicity

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Poly(oxy-1,2-ethanediyl), α -hydr o- ω -hydroxy- Ethane-1,2-diol, ethoxylated (CAS #: 25322-68-3)	22 g/kg (Rat) 28 g/kg (Rat)	> 20 g/kg (Rabbit) > 20 mL/kg (Rabbit)	-
2-Hydroxyethyl methacrylate (CAS #: 868-77-9)	5050 mg/kg (Rat)	> 3000 mg/kg (Rabbit)	-

Eye Contact:	No Data Available
Subchronic effects:	No Data available
Carcinogenicity, tertogenicity and mutagenicity:	No data available.

Other chronic effects:

None Known.

SECTION 12: Ecological information

12.1. Toxicity

No information available.

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

12.5. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

SECTION 14: Transport information

14.1. UN number

Not regulated

14.2. UN proper shipping name

Not regulated

14.3. Transport hazard class(es)

Not regulated

14.4. Packing group

Not regulated

14.7. Special precautions for user

Not regulated

14.6. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not regulated

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixtureEuropean Union

Component	EINECS/ELINCS	SVHC candidates	RESTRICTIONS - REACH TITLE VIII
2-Hydroxyethyl methacrylate	x	-	-

Product name: Rearview Mirror Adhesive

Poly(oxy-1,2-ethanediyl), α -hydroxy- Ethane-1,2-diol, ethoxylated	x	-	-
Epoxy resin	x	-	-

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Take note of Directive 94/33/EC on the protection of young people at work

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

International inventories

Component	TSCA	DSL/NDL	ENCS	IECSC	KECL	PICCS	AICS
2-Hydroxyethyl methacrylate	x	x	x	x	x	x	x
Poly(oxy-1,2-ethanediyl), α -hydroxy- Ethane-1,2-diol, ethoxylated	x	x	x	x	x	x	x
Epoxy resin	x	x	x	x	x	x	x

"-" Not Listed

"X" Listed

SECTION 16: Other information

Material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Issue date

03-Jan-2017

Revision date

03-Jan-2017

Revision note

Not applicable

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SAFETY DATA SHEET

Regulation (EC) No 1907/2006 (REACH), Annex II
(COMMISSION REGULATION (EU) No 2015/830)

Issue date 03-Jan-2017

Revision date 03-Jan-2017

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

1.4. Product identifier

Product name Prep Pad

1.5. Details of the supplier of the safety data sheet

Supplier Huzhou Longtong Chemical Co.,Ltd
Address 1-3# No.969 Qingfang Road, Huzhou Zhejiang China.
Postal code 313000
Phone 0086-572-2109399
Fax 0086-572-2352225
E-mail Sales@chemtg.com

1.6. Emergency telephone number

0086-572-2352225

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Not classified.

2.2. Label elements

Symbols/Pictograms None
Signal word None
Hazard Statements Not applicable
Precautionary Statements Not applicable

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.1. Mixture

Chemical name	EC No	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Ethylene glycol	203-473-3	107-21-1	5-10	Not classified
Water	231-791-2	7732-18-5	90-95	Not classified

SECTION 4: First aid measures

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed.

Eye Contact:	Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention.
Skin Contact:	Remove contaminated clothing and shoes. Immediately flush skin with large amounts of water. Get medical attention. Wash contaminated clothing and clean shoes before reuse.
Inhalation:	Remove person to fresh air. If signs/symptoms develop, get medical attention.
If Swallowed:	Do not induce vomiting. Give victim two glasses of water. Never give anything by mouth to an unconscious person. Get immediate medical attention.

SECTION 5: Firefighting measures

Suitable Extinguishing Media	In case of fire, use Water spray, Carbon Dioxide (CO ₂), Foam, Dry Chemical
Unsuitable Extinguishing Media	N.D.
Unusual Fire and Explosion Hazards:	N.D.
Special Fire Fighting Procedures:	N.D.

SECTION 6: Accidental release measures

Flammable Small Spill:	Absorb with an inert dry material and place in an appropriate waste disposal container.
Flammable Large Spill:	Flammable liquid. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with dry earth, sand or other non-combustible material. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed.

SECTION 7: Handling and storage

Handling Flammable:	Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/ fumes/ vapor/ spray. Avoid contact with eyes. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, acids.
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Storage Flammable:	Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).
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SECTION 8: Exposure controls/personal protection

Engineering Controls:	No specific measures are required provided the product is handled in accordance with the general rules of occupational hygiene and safety.
Respiratory Protection:	None required under normal use conditions.
Skin Protection:	None required for normal use. For prolonged exposure, use appropriate goggles, protective clothing and gloves.
Eye Protection:	None required for normal use. For prolonged exposure, use appropriate goggles, protective clothing and gloves.
Other protective equipment:	Not expected to be necessary under normal conditions of use. Where exposure cannot be adequately controlled, use appropriate protective clothing or equipment
Work/hygienic practices:	Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Safety shower and eye wash should be available close to work areas.

SECTION 9: Physical and chemical properties

Physical State	N.D.
Color	Clear, colorless with characteristic of IPA
Odor	N.D.
Odor Threshold	N.D.
Solubility	Azeotrope
Partition coefficient Water/n-octanol	N.D.
VOC%	N/A
Viscosity	N.D.
Specific Gravity	0.878
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	70° F
FP Method	N.D.
Ph	N.D.
Melting Point	N.A.
Boiling Point	> 180° F
Boiling Range	N.D.
LEL	2
UEL	12
Evaporation Rate	7.0
Flammability	N.D.
Decomposition Temperature	N.D.
Auto-ignition Temperature	N.D.
Vapor Pressure	733
Vapor Density	> 2.0

SECTION 10: Stability and reactivity**10.1. Reactivity**

No information available.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

Heat, flames and sparks.

10.5. Incompatible materials

None known based on information supplied.

10.6. Hazardous decomposition products

None under normal use conditions.

SECTION 11: Toxicological information**Eye Contact:**

No Data Available

Subchronic effects:

No Data available

Carcinogenicity, tertogenicity and mutagenicity:

No data available.

Other chronic effects:

None Known.

SECTION 12: Ecological information**12.1. Toxicity**

No information available.

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

12.5. Other adverse effects

No information available.

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Waste from residues/unused products

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging

Disposal should be in accordance with applicable regional, national and local

laws and regulations.

SECTION 14: Transport information

14.1. UN number	Not regulated
14.2. UN proper shipping name	Not regulated
14.3. Transport hazard class(es)	Not regulated
14.4. Packing group	Not regulated
14.7. Special precautions for user	Not regulated
14.6. Transport in bulk according to Annex II of MARPOL and the IBC Code	Not regulated

SECTION 15: Regulatory information

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

Component	EINECS/ELINCS	SVHC candidates	RESTRICTIONS - REACH TITLE VIII
Ethylene glycol	x	-	-
Water	x	-	-

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Take note of Directive 94/33/EC on the protection of young people at work

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

International inventories

Component	TSCA	DSL/NDL	ENCS	IECSC	KECL	PICCS	AICS
Ethylene glycol	x	x	x	x	x	x	x
Water	x	x	x	x	x	x	x

"-" Not Listed

"X" Listed

SECTION 16: Other information

Material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Issue date	03-Jan-2020
Revision date	03-Jan-2020
Revision note	Not applicable

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