SAFETY DATA SHEET

According to OSHA Hazcom Standard 29 CFR 1910.1200

EH3100-A-CREAM

1. IDENTIFICATION

A. Product name

- EH3100-A-CREAM

B. Recommended use and restriction on use

- General use : CLEAR WATER TANK EPOXY PRIMER
- Restriction on use : Do not use except for purpose

C. Manufacturer / Supplier / Distributor information

○ **Manufacturer information**

- Company name : KCC Corporation
- Address : 30, Bangeojinsunhwando-ro, Dong-gu, Ulsan
- Emergency telephone number : 82-52-280-1717

○ **Supplier/Distributer information**

- Company name : KCC Corporation
- Address : 30, Bangeojinsunhwando-ro, Dong-gu, Ulsan
- Emergency telephone number : 82-52-280-1717

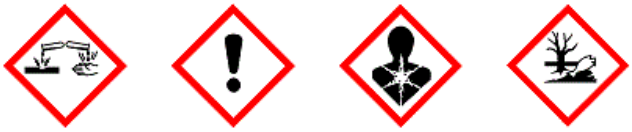
2. HAZARD IDENTIFICATION

A. GHS Classification

- Acute toxicity (oral) : Category5
- Acute toxicity (inhalation: vapor) : Category5
- Skin corrosion/irritation : Category2
- Serious eye damage/irritation : Category1
- Skin sensitization : Category1
- Germ cell mutagenicity : Category1B
- Carcinogenicity : Category1B
- Specific target organ toxicity(Repeated exposure) : Category2
- Acute aquatic toxicity : Category2
- Chronic aquatic toxicity : Category2

B. GHS label elements

○ **Hazard symbols**



○ **Signal words**

- Danger

○ **Hazard statements**

- H303 May harmful if swallowed.
- H315 Causes skin irritation
- H317 May cause an allergic skin reaction
- H318 Causes serious eye damage
- H333 May be harmful if inhaled.
- H340 May cause genetic defects
- H350 May cause cancer

- H373 May cause damage to organs through prolonged or repeated exposure (Refer Section SDS 11)
- H401 Toxic to aquatic organisms.
- H411 Toxic to aquatic life with long lasting effects

○ **Precautionary statements**

1) Prevention

- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P260 Do not breathe dust/fume/gas/mist/vapours/spray.
- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P264 Wash hands thoroughly after handling.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

2) Response

- P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
- P304+P312 IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P308+P313 If exposed or concerned: Get medical advice/attention.
- P310 Immediately call a POISON CENTER or doctor/physician.
- P314 Get medical advice/attention if you feel unwell.
- P321 Specific treatment
- P332+P313 If skin irritation occurs: Get medical advice/attention.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P362+P364 Take off contaminated clothing and wash before reuse.
- P391 Collect spillage.

3) Storage

- P405 Store locked up.

4) Disposal

- P501 Dispose of contents/container in accordance with local/regional/national/international regulation

C. Other hazards which do not result in classification

- Not available

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Trade names and Synonyms	CAS No.	Content(%)
2,2-Bis(4'-glycidyloxyphenyl)propane	Diphenylol propane dicylcidyl ether ; Bisphenol A diglycidyl ether ; Dimethylmethane diglycidyl ether ; 2,2-bis(4-(2,3-Epoxypropoxy)phenyl) propane ; 2,2'-[(1-Methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane ; 4,4'-Bis(2,3-epoxypropoxy)diphenyldimethylmethane ; Bis(4-hydroxyphenyl)dimethylmethane diglycidyl ether ; Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis- ; 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane ; Bisphenol A diglycidyl ether	1675-54-3	22 ~ 29
Silica, vitreous	Silicon dioxide (vitreous) ; Fused silica ; Silica, amorphous, fused ;	60676-86-0	22 ~ 29
Cashew, nutshell liq. polymer with epichlorohydrin	CSR160805-11033	68413-24-1	10 ~ 17
Formaldehyde polymer with (chloromethyl)oxirane and phenol	Phenolic epoxy resin F-44	9003-36-5	4 ~ 11
Aluminium oxide	Alpha-alumina ; Beta-alumina ; Gamma-alumina ; Alpha-aluminum oxide ; Beta-aluminum oxide ; Gamma-aluminum oxide ; Delta-aluminum oxide ; Aliuminium trioxide ;	1344-28-1	4 ~ 11
Titanium dioxide	Titanium oxide (Tio2) ; Titanium peroxide (Tio2) ; Dioxotitanium ; Pigment white 6	13463-67-7	4 ~ 11
Dipotassium oxide	Potassium monoxide ; Potassium oxide ; Dipotassium oxide ; Potassium oxide (K2O) ; Dipotassium monoxide ;	12136-45-7	1 ~ 6

Barium sulfate, natural	Sulfuric acid, barium salt (1:1) ; Barium sulfate ; Barite ;	7727-43-7	1 ~ 6
Sodium oxide	Disodium oxide ; Disodium monoxide ;	1313-59-3	1 ~ 6
Ethylbenzene	Benzene, ethyl- ; Ethyl benzene ; Ethylbenzol ; Phenylethane ;	100-41-4	0.1~1
Solvent naphtha (petroleum), light arom.	Naphtha	64742-95-6	0.1~1

4. FIRST AID MEASURES

A. Eye contact

- Do not rub your eyes.
- Immediately flush eyes with plenty of water for at least 15 minutes and call a doctor/physician.
- Get medical attention immediately.
- Remove contact lenses if worn.

B. Skin contact

- Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
- Wash contaminated clothing thoroughly before re-using.
- Get medical attention immediately.
- Go to the hospital immediately if symptoms(flare, irritate) occur.
- Remove contaminated clothing, shoes and isolate.
- Wash thoroughly after handling.
- Wear gloves when washing the patient, and please avoid contact with contaminated clothing.

C. Inhalation contact

- Take specific treatment if needed.
- When exposed to large amounts of steam and mist, move to fresh air.
- Get medical attention immediately.
- If breathing is stopped or irregular, give artificial respiration and supply oxygen.

D. Ingestion contact

- Please be advised by doctor whether induction of vomit is demanded or not.
- Rinse your mouth with water immediately.
- Get medical attention immediately.

E. Delayed and immediate effects and also chronic effects from short and long term exposure

- Not available

F. Notes to physician

- Notify medical personnel of contaminated situations and have them take appropriate protective measures.
- If exposed or concerned, get medical attention/advice.

5. FIREFIGHTING MEASURES

A. Suitable (Unsuitable) extinguishing media

- Avoid use of water jet for extinguishing
- Dry chemical, carbon dioxide, regular foam extinguishing agent, spray

B. Specific hazards arising from the chemical

- Causes serious eye damage
- Causes skin irritation
- May be harmful if inhaled.
- May cause an allergic skin reaction
- May cause cancer

C. Special protective actions for firefighters

- Avoid inhalation of materials or combustion by-products.
- Cool containers with water until well after fire is out.
- Do not approach the tank surrounded by fire until it is extinguished.
- In case of conflagration, use automatic fire sprinkler. Major fire may require withdrawal, allowing the object itself to burn.

- Keep unauthorized personnel out.

6. ACCIDENTAL RELEASE MEASURES

A. Personal precautions, protective equipment and emergency procedures

- Do not touch spilled material. Stop leak if you can do it without risk.
- Handle the damaged containers or spilled material after wearing appropriate protective equipment
- Move container to safe area from the leak area.
- Must work against the wind, let the upwind people to evacuate.
- Remove all sources of ignition.

B. Environmental precautions

- If large amounts have been spilled, inform the relevant authorities.
- Prevent runoff and contact with waterways, drains or sewers.

C. Methods and materials for containment and cleaning up

- Appropriate container for disposal of spilled material collected.
- Dike for later disposal.
- Disposal of waste shall be in compliance with the Wastes Control Act
- Large spill : Stay upwind and keep out of low areas. Dike for later disposal.
- Notify the central and local government if the emission reach the standard threshold.

7. HANDLING AND STORAGE

A. Precautions for safe handling

- Avoid contact with incompatible materials.
- Avoid direct physical contact.
- Comply with all applicable laws and regulations for handling
- Dealing only with a well-ventilated place.
- Do not handle until all safety precautions have been read and understood.

B. Conditions for safe storage, including any incompatibilities

- Avoid direct sunlight.
- Check regularly for leaks.
- Do not apply any physical shock to container.
- Do not apply direct heat.
- Do not use damaged containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

A. Exposure limits

○ **ACGIH TLV**

- [Aluminium oxide] : TWA 10 mg/m3
- [Titanium dioxide] : TWA 0.2 mg/m3 (Nanoscale particles), 2.5 mg/m3 (Finescale particles)
- [Barium sulfate, natural] : TWA, 50 mg/m3, Inhalable particulate matter (containing no asbestos and <1% crystalline silica)
- [Ethylbenzene] : TWA, 20 ppm (87 mg/m3)

○ **OSHA PEL**

- [Silica, vitreous] : 80 mg/m3 (%SiO2)
- [Aluminium oxide] : 15 mg/m3 (Total dust), 5 mg/m3 (Respirable fraction)
- [Titanium dioxide] : 15 mg/m3 (Total dust)
- [Barium sulfate, natural] : 15 mg/m3 (Total dust), 5 mg/m3 (Respirable fraction)
- [Ethylbenzene] : 100 ppm, 435 mg/m3

B. Engineering controls

- Business owner is recommended to maintain below recommended exposure limits for the working place with general exhaust of gas/vapour/mist/fume.

C. Individual protection measures, such as personal protective equipment

○ **Respiratory protection**

- Any air-purifying respirator with a full facepiece and an organic vapor canister.

- Any chemical cartridge respirator with a full facepiece and organic vaporcartridge(s).
- Any chemical cartridge respirator with organic vapor cartridge(s).
- Consider warning properties before use.
- For Unknown Concentration or Immediately Dangerous to Life or Health : Any supplied-air respirator with full facepiece and operated in a pressure-demand or other positive-pressure mode in combination with a separate escape supply. Any self-contained breathing apparatus with a full facepiece.
- Respiratory protection is ranked in order from minimum to maximum.
- Under conditions of frequent use or heavy exposure, Respiratory protection may be needed.

○ **Eye protection**

- Provide an emergency eye wash station and quick drench shower in the immediate work area.
- Wear primary eye protection such as splash resistant safety goggles with a secondary protection face shield.

○ **Hand protection**

- Wear appropriate chemical resistant glove.

○ **Skin protection**

- Wear appropriate chemical resistant protective clothing.

○ **Others**

- Not available

9. PHYSICAL AND CHEMICAL PROPERTIES

A. Appearance	
- Appearance	Liquid(Viscous liquid)
- Color	CREAM
B. Odor	Odorless
C. Odor threshold	Not available
D. pH	Not available
E. Melting point/Freezing point	Not available
F. Initial Boiling Point/Boiling Ranges	Not available
G. Flash point	100℃
H. Evaporation rate	Not available
I. Flammability(solid, gas)	Not available
J. Upper/Lower Flammability or explosive limits	1% / 11.2 %
K. Vapour pressure	Not available
L. Solubility	Not available
M. Vapour density	> 1(Air=1)
N. Specific gravity(Relative density)	1.507 ~ 1.547
O. Partition coefficient of n-octanol/water	Not available
P. Autoignition temperature	Not available
Q. Decomposition temperature	Not available
R. Viscosity	100 ~ 110 KU(Mixture)
S. Molecular weight	Not available

10. STABILITY AND REACTIVITY

A. Chemical Stability

- This material is stable under recommended storage and handling conditions.

B. Possibility of hazardous reactions

- Hazardous Polymerization will not occur.

C. Conditions to avoid

- Avoid : Accumulation of electrostatic charges, Heating, Flames and hot surfaces
- Avoid contact with incompatible materials and condition.

D. Incompatible materials

- Not available

E. Hazardous decomposition products

- May emit flammable vapour if involved in fire.

11. TOXICOLOGICAL INFORMATION

A. Information on the likely routes of exposure

○ **Respiratory tracts**

- Not available

○ **Oral**

- May harmful if swallowed.

○ **Eye·Skin**

- Causes serious eye damage
- Causes skin irritation
- May cause an allergic skin reaction

B. Delayed and immediate effects and also chronic effects from short and long term exposure

○ **Acute toxicity**

*** Oral**

- Product (ATEmix) : 2000mg/kg < ATEmix <= 5000mg/kg
- [2,2-Bis(4'-glycidyloxyphenyl)propane] : LD50 11,300 ㎎/㎏ rat (HSDB)
- [Cashew, nutshell liq. polymer with epichlorohydrin] : LD50 >2000 mg/kg Rat (ECHA)
- [Formaldehyde polymer with (chloromethyl)oxirane and phenol] : LD50 >2000 mg/kg Rat (GESTIS)
- [Aluminium oxide] : LD50 >15900 mg/kg Rat (OECD TG 401) (ECHA)
- [Titanium dioxide] : LD50 >5000 ㎎/㎏ Mouse (OECD TG 420) (OECD SIDS)
- [Dipotassium oxide] : LD50 > 2000 mg/kg Rat (OECD TG 425, GLP) (ECHA)
- [Barium sulfate, natural] : LD50 > 3000 ㎎/㎏ Rat (IUCLID)
- [Ethylbenzene] : LD50 3500 mg/kg Rat (ECHA)
- [Solvent naphtha (petroleum), light arom.] : LD50 = 8400 ㎎/㎏ Rat (RTECS)

*** Dermal**

- Product (ATEmix) : >5000mg/kg
- [2,2-Bis(4'-glycidyloxyphenyl)propane] : LD50 >23,200 ㎎/㎏ Rabbit (IARC, NITE)
- [Cashew, nutshell liq. polymer with epichlorohydrin] : LD50 >2000 mg/kg Rat (ECHA)
- [Dipotassium oxide] : LD50 > 5000 mg/kg Rat (OECD TG 402, GLP) (ECHA)
- [Ethylbenzene] : LD50 15432 mg/kg (17.8 mL/kg) Rabbit (ECHA)
- [Solvent naphtha (petroleum), light arom.] : LD50 > 2000 ㎎/㎏ Rabbit (IUCLID)

*** Inhalation**

- Product (ATEmix) : 20.0mg/L < ATEmix <= 50.0mg/L, Vapour, 4hr
- [Aluminium oxide] : Aerosol LC50 > 2.3 mg/L 4 hr Rat No death GHS criteria not met (OECD TG 403, GLP) (ECHA)
- [Titanium dioxide] : Aerosol LC50 5.09 mg/L 4h Rat No death, Not classified (ECHA)
- [Ethylbenzene] : Vapor LC50 10~20 mg/L 4 hr (EU Harmonized Cat. 4) (ECHA)
- [Solvent naphtha (petroleum), light arom.] : Vapor LC50 > 5.61 mg/L 4 hr Rat (Read-across: 86290-81-5) No death (ECHA)

○ **Skin corrosion/irritation**

- Causes skin irritation

○ **Serious eye damage/irritation**

- Causes serious eye damage

○ **Respiratory sensitization**

- Not available

○ **Skin sensitization**

- May cause an allergic skin reaction

○ **Carcinogenicity**

*** IARC**

- [2,2-Bis(4'-glycidyloxyphenyl)propane] : Group 3
- [Silica, vitreous] : Group 3 (Silica, amorphous)
- [Titanium dioxide] : Group 2B

※ IARC (International Agency for Research on Cancer) has classified TiO2 as a substance which may be possibly carcinogenic to humans. However, studies on TiO2 conducted by the IARC state that when TiO2 is mixed in substance such as paints and coatings, the level of exposure is not severe. An increase in cancer was found only when ultrafine TiO2 particles of less than 100nm were used in a Study on Long-term Inhalation of TiO2 by Animals, issued by the National Institute for Occupational Safety & Health (NIOSH). Therefore, it is difficult to conclude that this product, which contains TiO2 with a particle size of 280~360nm, can be carcinogenic enough to cause cancer.

- [Ethylbenzene] : Group 2B

*** OSHA**

- Not available

*** ACGIH**

- [Aluminium oxide] : A4 (Aluminum insoluble compounds)
- [Titanium dioxide] : A3
- [Ethylbenzene] : A3

*** NTP**

- Not available

*** EU CLP**

- [Solvent naphtha (petroleum), light arom.] : Carc. 1B (Note P)

○ **Germ cell mutagenicity**

- May cause genetic defects

○ **Reproductive toxicity**

- Not available

○ **STOT-single exposure**

- Not available

○ **STOT-repeated exposure**

- May cause damage to organs through prolonged or repeated exposure (Refer Section SDS 11)

○ **Aspiration hazard**

- Not available

12. ECOLOGICAL INFORMATION

A. Ecotoxicity

○ **Fish**

- [2,2-Bis(4'-glycidyloxyphenyl)propane] : LC50 1.5 mg/L 96 hr Oncorhynchus mykiss (ECHA)
- [Aluminium oxide] : LC50 114.97 mg/L 96 hr Channa marulius (ECHA)
- [Titanium dioxide] : LC50 >100 ㎎/L 96 hr Carassius auratus, Oncorhynchus mykiss (ECHA)
- [Dipotassium oxide] : LC50 917.6 mg/L 96 hr Labeo rohita, NOEC 2000 mg/L 40 d Heteropneustes fossilis (ECHA)
- [Sodium oxide] : LC50 = 208000000 ㎎/ℓ 96 hr (Estimate)
- [Ethylbenzene] : LC50 5.1 mg/L 96 hr Menidia menidia (ECHA)
- [Solvent naphtha (petroleum), light arom.] : LC50 = 9.22 ㎎/ℓ 96 hr Oncorhynchus mykiss (IUCLID)

○ **Crustaceans**

- [2,2-Bis(4'-glycidyloxyphenyl)propane] : EC50 1.7 mg/L 48 hr Daphnia magna (ECHA)
- [Titanium dioxide] : EC50 >100 ㎎/L 48 hr Daphnia magna, OECD TG 202 (ECHA)
- [Dipotassium oxide] : EC50 480~880 mg/L 48 hr Daphnia magna (ECHA)
- [Barium sulfate, natural] : EC50 32 ㎎/ℓ 48 hr Daphnia magna (ECOTOX)
- [Sodium oxide] : LC50 = 122000000 ㎎/ℓ 48 hr (Estimate)
- [Ethylbenzene] : EC50 1.8~2.4 mg/L 48 hr Daphnia magna, NOEC 0.96 mg/L 7 d Ceriodaphnia dubia (ECHA)
- [Solvent naphtha (petroleum), light arom.] : EC50 = 6.14 ㎎/ℓ 48 hr Daphnia magna (IUCLID)

○ **Algae**

- [2,2-Bis(4'-glycidyloxyphenyl)propane] : EC50 9.4 mg/L 72 hr, NOEC 4.2 mg/L 72 hr Scenedesmus capricornutum (ECHA)
- [Titanium dioxide] : ErL50 > 100 ㎎/ℓ 72 hr Pseudokirchneriella subcapitata, growth rate, static, (72h-EyL50 >100 mg/L static, OECD TG 201) (ECHA)
- [Barium sulfate, natural] : EC50 1890.263 ㎎/ℓ 96 hr (Estimate)
- [Sodium oxide] : EC50 = 56800000 ㎎/ℓ 96 hr (Estimate)
- [Ethylbenzene] : EC50 3.6 mg/L 96 hr, NOEC 3.4 mg/L 96 hr Raphidocelis subcapitata (ECHA)
- [Solvent naphtha (petroleum), light arom.] : EC50 = 19 ㎎/ℓ 72 hr Selenastrum capricornutum (IUCLID)

B. Persistence and degradability

○ **Persistence**

- [2,2-Bis(4'-glycidyloxyphenyl)propane] : log Kow 2.64 ~ 3.78 (25 ℃) (ECHA)
- [Ethylbenzene] : log Pow 3.6 (20 ℃) (ECHA)
- [Solvent naphtha (petroleum), light arom.] : log Kow = 2.1 ~ 6 (Estimate) (IUCLID)

○ **Degradability**

- [Solvent naphtha (petroleum), light arom.] : BOD5/COD = 0.43

C. Bioaccumulative potential

○ **Bioaccumulative potential**

- [2,2-Bis(4'-glycidyloxyphenyl)propane] : Log BCF 1.11 ± 0.75, BCF 31 (OASIS CATABOL QSAR estimate, ECHA)
- [Barium sulfate, natural] : BCF = 3.162
- [Sodium oxide] : BCF = 3.162 (Estimate)
- [Ethylbenzene] : BCF 1 (ECHA)

○ **Biodegradation**

- [2,2-Bis(4'-glycidyloxyphenyl)propane] : 0 (%) 28 day (NITE)
- [Ethylbenzene] : 70~ 80 % 28 d, Readily biodegradable (ECHA)

D. Mobility in soil

- Not available

E. Other adverse effects

- Not available

13. DISPOSAL CONSIDERATIONS

A. Disposal methods

- It shall be treated by incineration
- Oil water separation technology shall be applied as pre-waste treatment if it is applicable
- Stabilization and minimization treatment by incineration or similar method can be applied, if more than two kinds of designated wastes are in mixture state and it is impractical to separate them

B. Special precautions for disposal

- Anyone with business license number who generates industrial wastes shall treat the waste by him/herself or by entrusting to the legal entities who treat the wastes, recycle the wastes of others or install and operate the waste treatment facilities according to the Wastes Control Act
- Dispose of waste in accordance with all applicable laws and regulations.

14. TRANSPORT INFORMATION

A. UN No. (IMDG CODE/IATA DGR)

- 3082

B. Proper shipping name

- ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2,2-Bis(4'-glycidyloxyphenyl)propane)

C. Hazard Class

- 9

D. IMDG CODE/IATA DGR Packing group

- III

E. Marine pollutant

- Applicable

F. Special precautions for user related to transport or transportation measures

- Local transport follows in accordance with Dangerous goods Safety Management Law.
- Package and transport follow in accordance with Department of Transportation (DOT) and other regulatory agency requirements.
- EmS FIRE SCHEDULE : F-A (General fire schedule)
- EmS SPILLAGE SCHEDULE : S-F (Water-soluble marine pollutants)

15. REGULATORY INFORMATION

A. National and/or international regulatory information

○ **POPs Management Law**

- [2,2-Bis(4'-glycidyloxyphenyl)propane] : Not applicable
- [Silica, vitreous] : Not applicable
- [Cashew, nutshell liq. polymer with epichlorohydrin] : Not applicable
- [Formaldehyde polymer with (chloromethyl)oxirane and phenol] : Not applicable
- [Aluminium oxide] : Not applicable
- [Titanium dioxide] : Not applicable

- [Dipotassium oxide] : Not applicable
- [Barium sulfate, natural] : Not applicable
- [Sodium oxide] : Not applicable
- [Ethylbenzene] : Not applicable
- [Solvent naphtha (petroleum), light arom.] : Not applicable

○ **Information of EU Classification**

*** Classification**

- [2,2-Bis(4'-glycidyloxyphenyl)propane] : H315,H317,H319
- [Ethylbenzene] : H225,H304,H332,H373
- [Solvent naphtha (petroleum), light arom.] : H304,H340,H350

○ **U.S. Federal regulations**

*** OSHA PROCESS SAFETY (29CFR1910.119)**

- Not applicable

*** CERCLA Section 103 (40CFR302.4)**

- [Ethylbenzene] : 453.599 kg 1000 lb
- [2,2-Bis(4'-glycidyloxyphenyl)propane] : Not applicable
- [Silica, vitreous] : Not applicable
- [Cashew, nutshell liq. polymer with epichlorohydrin] : Not applicable
- [Formaldehyde polymer with (chloromethyl)oxirane and phenol] : Not applicable
- [Aluminium oxide] : Not applicable
- [Titanium dioxide] : Not applicable
- [Dipotassium oxide] : Not applicable
- [Barium sulfate, natural] : Not applicable
- [Sodium oxide] : Not applicable
- [Solvent naphtha (petroleum), light arom.] : Not applicable

*** EPCRA Section 302 (40CFR355.30)**

- Not applicable

*** EPCRA Section 304 (40CFR355.40)**

- Not applicable

*** EPCRA Section 313 (40CFR372.65)**

- [Aluminium oxide] : Applicable
- [Ethylbenzene] : Applicable
- [2,2-Bis(4'-glycidyloxyphenyl)propane] : Not applicable
- [Silica, vitreous] : Not applicable
- [Cashew, nutshell liq. polymer with epichlorohydrin] : Not applicable
- [Formaldehyde polymer with (chloromethyl)oxirane and phenol] : Not applicable
- [Titanium dioxide] : Not applicable
- [Dipotassium oxide] : Not applicable
- [Barium sulfate, natural] : Not applicable
- [Sodium oxide] : Not applicable
- [Solvent naphtha (petroleum), light arom.] : Not applicable

○ **Rotterdam Convention listed ingredients**

- Not applicable

○ **Stockholm Convention listed ingredients**

- Not applicable

○ **Montreal Protocol listed ingredients**

- Not applicable

16. OTHER INFORMATION

A. Reference

- The information contained herein is believed to be accurate. It is provided independently of any sale of the product for purpose of hazard communication. It is not intended to constitute performance information concerning the product. No express warranty, or implied warranty of merchantability or fitness for a particular purpose is made with respect to the product or the information contained herein.

- This Safety Data Sheet was compiled with data and information from the following sources: KOSHA, NITE, ESIS, NLM, SIDS, IPCS

B. Issue date

- 2013-10-02

C. Revision number and Last date revised

- 17 times, 2023-03-21

D. Other

- This SDS is prepared according to the Globally Harmonized System (GHS).