HEMA FREE BASE COAT

SECTION 1: IDENTIFICATION OF CHEMICALS AND COMPANY

Product name	Base Coat
Details of the supplier	Foshan Caisi Cosmetic Co.,Ltd.
Emergency telephone number	008619936973339

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

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

2.1.1 Classification according to regulation (EC) 1272/2008:

Product definition	Mixture
Skin Sens. 1A, H317	Calculation method
Aquatic Chronic 2, H411	Calculation method

Label elements

Hazard pictograms	
Signal word	Warning
Hazard statements	Causes serious eye irritation. Causes serious skin irritation. May cause an allergic skin reaction.
Prevention	Wear protective gloves. Wear eye or face protection. Avoid inhaling vapor.
Response	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing with water or shower.
Disposal	Dispose of contents and container in accordance with all local, regional, national and international regulations.

Hazard statements	
H317	May cause an allergic skin reaction
H411	Toxic to aquatic life with long lasting effects

Precautionary statement	
P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
P261	Avoid breathing mist/vapours.
P273	Avoid release to the environment.
P280	Wear protective gloves.
P302 + P352	IF ON SKIN: Wash with plenty of water and soap.
P391	Collect spillage.
P501	Dispose of contents/container in accordance with local regulation.

Supplemental label elements: Not applicable.

SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

Professional use only.

Description of the mixture: HEMA FREE TOP COAT

Product/ Ingredient name	INCI Name	CAS No	Percent %	Classification Regulation (EC) No. 1272/2008 [CLP]	Type
Acrylates copolymer	Acrylates copolymer	25035-69-2	*40-50*	None	[1] Substance classified with a health or environmental hazard
Isobornyl acrylate	Isobornyl acrylate	5888-33-5	15-35	Skin Irrit. 2, H315 Skin Sens. 1A, H317 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	[1] Substance classified with a health or environmental hazard
Silica	Silica	112945-52-5	1-3	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1] Substance classified with a health or environmental hazard
Hydroxycyclohexyl phenyl ketone	Hydroxycyclohexyl phenyl ketone	947-19-3	1-5	None	[1] Substance classified with a health or environmental hazard

SECTION 4: FIRST AID MEASURES

Eye contact	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Skin contact	Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	Position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Protection of first-aiders	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

Potential acute health effects

Eye contact	Irritation to eyes.
Inhalation	No known significant effects.
Skin contact	Irritation to skin. May cause sensitization
Ingestion	Irritation to mouth, throat and stomach.
Over-exposure signs/symptoms **Eye contract**	Adverse symptoms may include the following: pain, irritation, watering or redness.

Skin contact	Adverse symptoms may include the following: redness, irritation.
Notes to physician	Treat symptomatically. Contact poison treatment specialist

	immediately if large quantities have been ingested or inhaled.

SECTION 5: FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media	None known
Hazards from the substance or mixture	In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous thermal decomposition products	May include: carbon dioxide, carbon monoxide, phosphorus oxides
Special protective actions for fire-fighters	Promptly isolate the scene by removing all persons from the scene. No action shall be taken involving personal risk or without suitable training. Move containers away from fire if safe to do so. Use water spray to cool fire-exposed containers
Special protective equipment for fire-fighters	Wear appropriate breathing apparatus and full protective clothing suitable for chemical incidents.

SECTION 6: ACCIDENTAL RELEASE MEASURES

For non-emergency personnel	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non emergency personnel".
Environmental precautions	Avoid dispersal of spilt material runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Small Spill	Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with and insert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	Stop leak if without risk. Move containers from spill area. Use spark-proof tools and

	explosion-proof equipment. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with noncombustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product.

SECTION 7: HANDLING AND STORAGE

Protective measures	Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapour or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.
Advice on general occupational hygiene	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Conditions for safe storage, including any incompatibilities	Shield UV light sources. Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Ree-aerate the product by mixing every 3 months.

Category	**Notification and MAPP threshold**	**Safety report threshold**
P5c: Flammable liquids 2 and 3 not falling under P5a or P5b 5000 50000 C7b: Highly flammable (R11)	5000 5000	50000 50000

SECTION 8: EXPOSURE CONTROLS/PERSONAL

Recommended monitoring procedures	If this product contains ingredients with exposure limits, personal, workplace

	atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.
Appropriate engineering controls	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
Hygiene measures	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the Lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Keep eyewash stations and safety showers nearby.
Eye/face protection	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields. If operating conditions cause high dust concentrations to be produced, use dust goggles.
Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
Body protection	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection	Appropriate footwear and skin protection measures should be used and pre approved by a specialist.

Respiratory protection	Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary.
Environmental exposure controls	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process and equipment will be necessary to reduce emissions to acceptable levels.

DNELs:

DNEL type		**DNEL worker value**	**DNEL consumer value**
5888-33-5 Isobornyl acrylate			
Systemic effects	Long-term, inhalation exposure Long-term, dermal exposure Long-term, oral exposure	4.9mg/m3 1.39 mg/kg bw/day -	1.45mg/m3 830µg/kg bw/day 830µg/kg bw/day

PNECs:

PNEC type	**Value**
5888-33-5 Isobornyl acrylate	
Freshwater	920ng/L
Intermittent releases (freshwater)	7.04 ng/L
Marine water	92 ng/L
Sewage treatment plant (STP)	2mg/L
Sediment (freshwater)	145 µg/kg sediment dw
Sediment (marine water)	14.5 ng/kg sediment dw
Soil	28.5 ng/kg soil dw

Additional information: The lists valid during the marking were used as basis.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Gel
Color	Clear
Odor & Odor threshold	Low odor
Melting point/freezing point	Not determined
Boiling point or initial boiling point and boiling range	119°C
Flammability	Not flammable liquid

Lower and upper explosion limit	Not determined
Flash point	97°C
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
pH	Not determined, this product is insoluble in water.
Kinematic viscosity (mm2/s)	Not determined
Solubility	Insoluble in water
Partition coefficient n-octanol/water (log value)	Not determined
Vapor pressure	Not determined
Density and/or relative density	Not determined
Relative vapor density	Not determined
Particle characteristics	Not applicable

SECTION 10: STABILITY AND REACTIVITY

Reactivity	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	The product is stable.
Possibility of hazardous reactions	Hazardous polymerization may occur under certain conditions of storage or use. These could cause the product to polymerise exothermically. Unintentional contact with them should be avoided.
Conditions to avoid:	High temperature.
Incompatible materials	Strong acid and strong oxidizing agent
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

Potential acute health effects

Eye contact	Irritation to eyes.
Skin contact	May cause sensitization.
Ingestion	Irritation to mouth, throat and stomach.
General	Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Symptoms related to the physical, chemical and toxicological characteristics.

Eye contact	Adverse symptoms may include the following: irritation watering redness
Skin contact	Adverse symptoms may include the following:

	irritation redness

Potential chronic health effects

General	Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Information on toxicological effects

Acute toxicity: Based on available data, the classification criteria are not met.

LD50/LC50 values relevant for classification		
7575-23-7 Pentaerythrityl tetramercaptopropionate		
Rat	LD50-oral	1000mg/kg
947-19-3 Hydroxycyclohexyl phenyl ketone		
Rat	LD50-oral LD50-skin	2500mg/kg 5000mg/kg
Remark: All the above data are from literature.		

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity:

LC50/EC50/NOEC values relevant for classification:

LC50/EC50/NOEC values relevant for classification	
5888-33-5 Isobornyl acrylate	
Short–term toxicity to fish	LC50 (4 days) 704 µg/L
Long–term toxicity to aquatic invertebrates	NOEC (21 days) 92 µg/L
Toxicity to aquatic algae and cyanobacteria	EC50 (72 h) 1.98 mg/L NOEC (72 h) 405 µg/L

12.2 Persistence and degradability:

5888-33-5	Isobornyl acrylate	Readily biodegradable in water

12.3 Bio-accumulative potential:

5888-33-5	Isobornyl acrylate	Log Pow= 4.52 at 20°C

12.4 Mobility in soil:

5888-33-5	Isobornyl acrylate	Log Koc =3.71 at 20 °C

12.5 Results of PBT and vPvB assessment:
This mixture does not contain any substances (≥0.1%) that are assessed to be a PBT or a vPvB.

12.6 Endocrine disrupting properties:
No ingredient (≥0.1%) has endocrine disrupting properties with respect to non-target organisms as it does not meet the criteria set out in section B of Regulation (EU) No 2017/2100.

12.7 Other adverse effects:
No known other adverse effects.

12.8 Additional ecological information:
General notes: WGK2 (German Regulation) (self-assessment): Distinct hazard to waters. Do not allow the product to reach ground water, water course or sewage system.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods of disposal	Avoid waste when possible and apply and comply with the requirements of environmental protection and waste disposal legislation and any regional local authority when disposing.
Hazardous waste	Product may meet the criteria for a hazardous waste.
Packaging methods of disposal	Recycle when available. Incineration or landfill should only be considered when recycling is not feasible.
Special precautions	Dispose safely

SECTION 14: TRANSPOR INFORMAION

	ADR/RID	**ADN**	**IMDG**	**IATA**
Environmental hazards	No.	No.	No.	No.

Special precautions for user: Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Europe inventory: All components are listed or exempted.

SECTION 15: REGULATORY INFORMATION

Other EU regulations	All components are listed or exempted
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. IATA: International Air Transport Association CAS: Chemical Abstracts Service (division of the American Chemical Society) DNEL = Derived No Effect Level PNEC: Predicted No-Effect Concentration (REACH) PBT: Persistent, Bio accumulative and Toxic vPvB: very persistent and very bio accumulative SVHC: Substance of Very High Concern LD50: Lethal dose, 50 percent LC50: Lethal concentration, 50 percent EC50: Concentration of maximal effect, 50 percent NOEC: No observed effect concentration Acute Tox. 4: Acute toxicity, hazard category 4 Skin Sens. 1: Skin sensitisation, hazard category 1 Skin Sens. 1B: Respiratory or skin sensitisation, hazard category 1B Repr. 2: Reproductive toxicity, hazard category 2 Aquatic Acute 1: Short-term (acute) aquatic hazard, hazard category 1 Aquatic Chronic 1: Long-term (chronic) aquatic hazard, hazard category 1
Key literature references and sources for data	https://echa.europa.eu/ https://chem.nlm.nih.gov/ https://www.osha.gov/ http://www.unece.org/ http://www.imo.org/ https://www.dguv.de/ https://epa.govt.nz/ http://www.ilo.org/ https://www.phmsa.dot.gov/
Classification for mixtures and used evaluation method according to regulation (EC) 1207/2008 [CLP]:	Not applicable.
Relevant H- and EUH-phrases (number and full text):	H302 Harmful if swallowed H317 May cause an allergic skin reaction H361f Suspected of damaging fertility H400 Very toxic to aquatic life H410 Very toxic to aquatic life with long lasting effects H411 Toxic to aquatic life with long lasting effects
Training advice:	Workers must be educated and trained so they understand the hazards, and know how to work safely with hazardous products
Further information:	The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, its amendment Regulation (EU) No 2020/878 and (EC) No 1272/2008. DISCLAIMER OF LIABILITY:

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