



MSDS & Chemicals Safety Technical Specifications

Part one Chemicals

Chemical English name : HEMA FREE TPO FREE GEL POLISH

Part second Substances

Pure ☐ Mixture ☒

Chemical Name: HEMA FREE TPO FREE GEL POLISH

Substances :

Main Components	Inci English	Content (%)	Cas N	Purpose
ACRYLATES/CARBAMATE COPOLYMER	ACRYLATES/CARBAMATE COPOLYMER	60.9	24938-16-7	adhesive
ACRYLATES/VP COPOLYMER	ACRYLATES/VP COPOLYMER	23	26589-26-4	Solvent
ETHYL TRIMETHYLBENZOYL PHENYLPHOSPHINATE	ETHYL TRIMETHYLBENZOYL PHENYLPHOSPHINATE	2	84434-11-7	photoinitiator
1-hydroxycyclohexyl phenylketone	1-hydroxycyclohexyl phenylketone	4	947-19-3	photoinitiator
ACRYLATES COPOLYMER	ACRYLATES COPOLYMERR	2	25035-69-2	Defoamer
CI77891	CI77891	5	13463-67-7	Colorant
CI77499	CI77499	1	1309-37-1	Colorant
CI47005	CI47005	0.6	8004-92-0	Colorant
CI75810	CI75810	0.6	11006-34-1	Colorant
CI77007	CI77007	0.5	57455-37-5	Colorant
MICA	MICA	0.4	12001-26-2	Colorant



Part three Hazards Summarizing

Hazard Categories: Do not belong to the dangerous goods.

Invasion rout : Will damage health after skin contact

Environments Impact : The material has a little mild should pay attention to the water pollution. **Explosive**

Danger : This product has no combustion hazard

Part Four Emergency treatment

Skin Touch: Take off the clothes, washing skin with soap or water.

Eyes Touch: Rise face, flush with plenty of water washing or go to hospital **Negligent eating:** Go to hospital immediately ,Keep quiet ,don't stimulate the vomiting, could drink milk of water if awake.

Part Five Fire protection

Explosive Danger : Do not belong to the dangerous goods

Hazardous combustion products : Do not belong to the combustion goods **Fire control methods and materials:** water ,sand

Part Six Accidental release measures

Emergency dispose : Generally leakage, just need to ventilation in timely Could use sand adsorption, and the adsorption must send to appoint environmental sanitation landfill, can use soap and water washing the pollution ground, then diluted sewage must be diluted into the sewage system. A large number of leaks, immediately report to the police, under the premise that ensure safety, to cut off the leak source as far as possible, prevent into the sewer restricted space. Evacuation pollution area irrelevant personnel to safe areas, no irrelevant personnel enter the contaminated area. Plugging in ensuring safety case, using the cofferdam asylum, and then collect, transfer, recycling or harmless treatment after treatment by the regulation. **Erase Method:** could send to appoint environmental sanitation for landfill.

Part seven Operating disposal and storage

Operation tips: Operation environment need to strengthen ventilated. Operators must get training, strictly abide by rules of safe operation. Suggest operators wear a protection mask, smoking is strictly prohibited. Using ventilation system equipment. Equipped with corresponding varieties and numbers of fire equipments and spill contingency processing equipment.

Storage: Under the condition of temperature 28 degrees in 8 - store in a cool, ventilated warehouse. Keep away from fire and heat source. Should with oxidant, edible chemicals stored separately, avoid by all means



mixed reservoir. Use explosion-proof lighting, ventilation facilities. To ban the use of a sparkmechanicalequipment and tools. Storage areas should be equipped with suitable shelter materials. **Part**

eight Exposure controls/personal protection

Engineering control: to strengthen ventilated

Respiratory protection: wearing masks.

Eyes protection: wear flat glasses.

Body protection: wear cotton overalls

Hand protection: it is recommended that operators wear PE film gloves or gloves. **Other protection:** work site no smoking, eating and drinking water. Avoid drinking alcohol beforework.After work, shower change clothes. Prior to

employment and regular physical examination. **Part nine Physicochemical property**

Appearance and properties: mixed color liquid viscous liquid

Ph : 6-7

Melting point (°C) : 105 Relative density (**water=1**) : 0.9-1.1 Boiling point (°C) : None Relative vapour density

(Air=1) : NoneFlashing point(°C) : None

Solubility: but with most of the acrylic monomers immiscible.

Part ten Stability and reactivity

Stability: exposed to light, high temperature conditions can affect its stability.

Prohibited content: Strong acid, strong alkali, oxidant.

Avoid contact with conditions: high fever, bright light, ultraviolet light.

Polymerization: will happen under the uv irradiation polymerization, and is accompanied bysomeheatisgenerated.

Breakdown products: part of the carbon, sulfur, nitrogen oxides.

Part eleven Toxicity

This product is volatile, carcinogens materials, general hazards for the contact sexual stimulation, excessiveorrepeated exposure can irritate the skin and early contact and close contact for a long time mayirritateeyes,this product is a low toxicity, LD is greater than 3000 mg/kg.

Part twelve Waste Disposal

Waste properties: belong to dye, coating waste.



Waste disposal method: send specified by the department of sanitation landfill sites buriedmethodprocessing.

Note: waste storage, waste disposal should refer to the national and local environmental regulations. **Part**

thirteen Transportation

Dangerous goods number: this product contains no countries embargo of dangerous substances. **UN NO :**
None

Packing method: carton, PP plastic bottle, glass bottle;

Shipping note: handling to light discharge, prevent packaging and container breakage. Summer
shouldbetransport in the morning and evening, to prevent exposure to the sun.