

# MSDS

## Material Safety Data Sheet

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### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

**Product Name:** See item 3 for details

**Further information obtainable from:** Unico Handan New Material Company Limited

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### 2. HAZARDS IDENTIFICATION

**Fatality grade:** GHS label elements, including precautionary statements



**Pictogram(s):**

**Signal word:** Warning

**Hazard statement(s):** H302 Harmful if swallowed

H332 Harmful if inhaled (gas, vapor, dust, smoke)

**Precautionary statement(s):**

**【Precaution】**

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P233 keep container tightly closed.

P262 Do not touch eyes, skin or clothing.

**【Incident Response】**

P301+P310 If swallowed: Call the poison control center or doctor/physician immediately.

P301+P330+P331 If swallowed: rinse mouth. Don't induce vomiting.

**【Safe Storage】**

Store P402+P404 in a dry place. Store in an airtight container.

**【Disposal】**

P501 Dispose of contents/container.....

P502 recovery/recycling information, please refer to the manufacturer/supplier.

**Invasion route:** Inhalation, Ingestion, percutaneous absorption, eye contact.

**Health hazards:** Harmful by inhalation, skin contact and careless swallowing; irritating to eyes, respiratory tract and skin.

**Environment hazards:** This substance may be harmful to the environment. Special attention should be paid to water bodies.

**Burn & burst danger:** It is combustible in case of open flame and high heat.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Pure**

**Admixture**

**Composition:**

Chemical Name	Composition (in% by weight)	CAS No.
Benzyl alcohol	70-80	100-51-6
Water	10-20	2274-11-5

Color 1: white		
Titania	10	13463-67-7
Color 2: Silver white		
Aluminum silver paste	10	7429-90-5
Color 3: Purple red		
Pigment Violet 1	10	1326-03-0
Color 4: Yellow		
Pigment yellow 1	10	2512-29-0
Color 5: Red orange		
Pigment yellow G, titanium dioxide, pigment red f5r	10	10% (2512-29-0 90%、13463-67-7 5%、3564-21-4 5%)
Color 6: Purple		
Reducing Violet 1	10	1324-55-6
Color 7: Orange		
Pigment orange	10	3520-72-7
Color 8: Violet		
Pigment Violet 23	10	6358-30-1
Color 9: Red		
Pigment red 48	10	3564-21-4
Color 10: Orange		
Permanent Orange G, carbon black, pigment red f5r	10	3520-72-7 90%, 1333-86-4 5%, 3564-21-4 5%
Color 11: Light green		
Pigment yellow G, phthalocyanine green G	10	2512-29-0 70%, 1328-53-6 30%
Color 12: Green		
Pigment yellow G, phthalocyanine green G	10	2512-29-0 50%, 1328-53-6 50%
Color 13: Black Gray		
Carbon black、Titanium dioxide	10	1333-86-4 10%, 13463-67-7 90%
Color 14: Blue		
Phtalogyanine Blue、Titanium dioxide	10	147-14-8 10%, 13463-67-7 90%
Color 15: Gold		
Gold、Pigment yellow 93	10	5580-57-4
Color 16: Silver		
Aluminum silver paste	10	7429-90-5
Color 17:Dark blue		
Phtalogyanine Blue、Titanium dioxide	10	147-14-8 25%, 13463-67-7 75%

Color 18: Orange		
pigment yellow G、 Carbon black	10	2512-29-0 85%, 1333-86-4 15%
Color 19: Green		
Phloxine	10	18472-87-2
Color 20: Purple red		
Phtaloganine Blue、 pigment Red F5R	10	147-14-8 80%, 3564-21-4 20%
Color 21: Brown		
Carbon black、 pigment Red F5R、 pigment yellow G	10	1333-86-4 10%, 3564-21-4 30%, 2512-29-0 60%
Color 22:Light yellow		
Permanent Orange G、 Carbon black	10	3520-72-7 90%, 1333-86-4 10%
Color 23: Violet		
Permanent violet	10	6358-30-1
Color 24: Black		
Carbon black	10	1333-86-4

#### 4. FIRST AID MEASURES

**Skin touch:** Remove contaminated clothing and rinse skin thoroughly with soap and water. If you feel unwell, seek medical advice immediately

**Eyes touch:** Immediately closed eyelid, flush with plenty of water for at least 10 minutes of flow. If there is pain, treatment.

**Inhalation:** Remove from exposure and move to fresh air immediately. Keep the respiratory tract smooth. Use oxygen if available. Get medical aid.

**Ingestion:** Drink enough warm water, do not induce vomiting, Get medical aid.

#### 5. FIRE-FIGHTING MEASURES

**Dangerous characteristic:** It is combustible in case of open flame and high heat.

**Hazardous combustion products:** Carbon monoxide, carbon dioxide.

**Fire-Fighting method & media:** Firefighters must wear a filter gas mask (full cover) or an isolated respirator, a full body fireproof suit, and put out the fire upwind. Remove the container from the fire as much as possible into an open area. Spray water to keep fire containers cool until extinguishing is complete. Evacuate immediately if the container in the fire has changed color or produced sound from the safety relief device.

**Fire extinguishing agent:** Solvent-resistant foam, dry powder, carbon dioxide, sand.

#### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautionary measures:** Use protective equipment as indicated in item 8. Avoid inhalation of dusts.

**Spills / Leaks:** Take-up dry. Clean up spills immediately. Avoid generation of dusts.

**Emergency treatment:** Isolate the contaminated area and set up warning signs around it. It is recommended that emergency response personnel wear masks, goggles, and work clothes. Sweep up carefully to avoid dust and recycle. Wash the leaked contaminated area with water, and put the diluted sewage into the wastewater system.

**Small amount of divulgence:** Clean off.

**Massive divulgence:** Recycle or transport to waste treatment place for handling.

## 7. HANDLING AND STORAGE

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**Handling:** Closed operation, local exhaust, and provide appropriate exhaust equipment in places where dust is generated. Operators must undergo special training, strictly abide by the operating regulations, It is recommended that the operator wear a mask, wear work clothes, and wear gloves. and smoking is strictly prohibited in the workplace, Avoid generating dust. Keep away from fire and heat source, equip with fire fighting equipment and leakage emergency treatment equipment of corresponding variety and quantity.

**Storage:** Stored in a cool, ventilated warehouse, sealed, and should be stored separately from chlorine trifluoride. When handling, load and unload with care to keep the package intact and prevent spills. Pay attention to personal protection during sub-packaging and handling operations.

## 8. EXPOSURE CONTROLS, Personal Protection

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**Maximum admissible concentration:** No data

**Monitoring Method:** None.

**Engineering Control:** Airtight operation, local exhaust.

**Respiratory Protection:** Wear mask, high concentration contact can be worn filter gas mask (half mask).

**Eyes Protection:** Wear chemical safety glasses.

**Body Protection:** Wear protective penetrant overalls.

**Hands Protection:** Wear rubber oil-resistant gloves.

**Other Protections:** Smoking, eating and drinking are prohibited at the work site. Maintain good hygiene.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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**Appearance:** Liquid

**Color:** Multiple colour

**Odor:** Slight odor

**Relative density (water=1) :** No data.

**Relative vapor density (air=1) :** No data.

**Boiling Point:** No data.

**Melting Point:** No data.

**Flashpoint:**No data.

**Vapour pressure:**No data.

**Viscosity:** No data

**PH Value:** No data.

**Permission of solvent inhalation:** No data.

**Solubility:** Slightly soluble in water

**Saturated vapor pressure(kPa):** /.

**Ignition temperature(°C):** No data

## 10. STABILITY AND REACTIVITY

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**Stability:** Stable under normal temperature and pressure.

**Distribution of Ban:** Strong oxidant, strong acid, strong base.

**Conditions to Avoid:** Source of fire, heat.

**Hazardous Polymerization:** No data

**Hazardous Decomposition Products:** Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11. TOXICOLOGICAL INFORMATION

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**Acute Toxicity:** No data.

**Sub-acute and Chronic Toxicity:** No data.

**Irritation:** Skin irritant differs from person to person, exist very big difference.

**Sensitization:** No data.

**Mutagenicity:** No data.

**Carcinogenicity:** No data.

**Others:** None.

## 12. ECOLOGICAL INFORMATION

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**Eco-toxicity:** No information.

**Biodegradable:** No applicable.

**Non-biodegradable:** No applicable.

**Bioconcentration or biological accumulation:** No applicable.

**Other harmful effects:** No data.

## 13. DISPOSAL CONSIDERATIONS

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**Nature of waste:** Unused products are not considered hazardous waste.

**Waste disposal methods:** Don't throw away at will, Recycling or refer to the relevant national and local laws and regulations. It is recommended to contact a local qualified waste disposal company and deal with it according to their opinions.

**Attention abandoned:** Do not dump products into city sewers, floors, or natural water sources.

## 14. TRANSPORT INFORMATION

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**Number of dangerous goods:** Not applicable.

**UN Number:** Not applicable.

**Packaging Mark:** None. **Packaging Method:** No data.

**Transport Attentions:** Examine whether package of the containers are integrate and tighten closed before transport. No divulgence, no collapse, no precipitation or no damage during the course of transportation. Don't put the goods together with oxidizer, acid and so on. The transport vehicle and ship must be cleaned and sterilized otherwise it is not allowed to assemble articles. During transport, the vehicle should prevent exposure, rain and high temperature. For stopovers, vehicle should be away from fire and heat sources. Don't use device and tools which can easily produce spark for loading. When transported by sea, the assemble place should keep away from bedroom and kitchen, and isolated from the engine room, power and fire source. Under the condition of Road Transportation, the driver should drive in accordance with regulated route, don't stop over in the residential area and congested area. No slipping up in rail road. According to the IMO IMDG Code (inc Amdt 39-18) 2018 Edition, the goods are not regulated for transport of dangerous goods.

## 15. OTHER INFORMATION

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**Regulatory Information:** ISO 11014-2009 Safety data sheet for chemical products - Content and order of sections. Regulation (EC) No. 1272/2008 Classification, Labeling and Packaging of Substances and Mixtures. The International Maritime Dangerous Goods (IMDG) Code. The International Air transport Association (IATA) Dangerous Goods Regulations.

## 16. Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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**Please ensure that it is passed to the appropriate person(s) in your company, who are capable of acting on the information.**