



## QINGDAO SANHUAN COLORCHEM CO., LTD.

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# MATERIAL SAFETY DATA SHEET

## 1 THE CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT:** Petroleum Resin C5

**PRODUCT DESCRIPTION:** Light yellow granular solid

**CHEMICAL FAMILY:** Aliphatic hydrocarbon resin

**SUPPLIER(MANUFACTURER):** QINGDAO SANHUAN COLORCHEM CO., LTD

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**EMERGENCY TELEPHONE NUMBER:**

86-532-88978177

Effective date :2020-09-30

## 2 THE COMPOSITION/INFORMATION ON INGREDIENTS

HEALTH HAZARDOUS INGREDIENTS: None

## 3 THE HAZARDS IDENTIFICATION

### ENVIRONMENTAL HAZARD

In the environment, the physical and / or its components are expected to remain on the water or soil surface and persist.

### PHYSICAL AND CHEMICAL HAZARDS/FIRE AND EXPLOSION HAZARDS

Mild hazard. This material can be burn only in the forming formation of flammable mixtures ,or upon heating to temperatures at or above the flash point.

Decomposition.Toxic gases will form upon decomposition.See Part 5, " FIRE FIGHTING MEASURES".

Dust.Material in form of dust is subject to explosions.

Electrostatic discharge. Product can accumulate electrostatic which can cause spark discharge.

## 4 FIRST AID MEASURES

### INHALATION:

In case of over-exposure to steam and/or aerosols formed at high



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temperature,must immediately remove the sufferer from danger zone.Administer artificial breathing if breathing is stopped.Keep at rest.Call for prompt medical attention.

### **SKIN CONTACT:**

Rinse with plenty of water; use soap if possible.

Cover with clean cotton sheeting or gauze and get prompt medical attention.No attention should be made to remove material from skin or to remove contaminated clothing,as the damaged flesh can be easily torn.

### **EYE CONTACT:**

Immediately flush eyes with plenty of water until the irritation subsides, if the irritation persists,get medical attention.

### **MISTAKE INGESTION:**

First aid is normally not required.

## **5 FIRE FIGHTING MEASURES**

### **FIRE FIGHTING STEP:**

Using spray water to cool fire surface and to protect personnel.Cut off the source of fire.

Use foam, dry compounds or water spray to extinguish fire.

### **SPECIAL FIRE WARNING:**

Firefighters are required to wear gas masks and head protection equipment.

Do not spray water directly into the storage containers, due to the risk of bumping. See Part 4, " FIRST AID MEASURES " and Part 10, " THE STABILITY AND REACTIVITY".

### **DANGEROUS FLAMMABLE PRODUCTS:**

None, apart from the general hydrocarbon combustion products .

## **6 DEAL WITH ACCIDENTAL SPILLS OF MEASURES**

### **LAND LEAKAGE:**

Clean up leakage and placed in appropriate containers to be recycled or discarded;

Consult the relevant expert on disposal of recovered material for all specifications and ensure compliance with local waste disposal regulations.

See Part 4 ," FIRST AID MEASURES " and Part 10, " THE STABILITY AND REACTIVITY".

### **WATER LEAKAGE:**

Stop source if possible to do so without hazard.Advise authorities of possible floating substances,if material enters watercourses or sewers. Separate if possible.



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Skim the surface.

See also Part 4 , " FIRST AID MEASURES " and Part 10, " THE STABILITY AND REACTIVITY".

### 7 THE PROCESSING AND STORAGE

STORAGE TEMPERATURE (DegC): Ambient

TRANSPORT TEMPERATURE (DegC): Ambient

WORKING TEMPERATURE (DegC): Ambient

VISCOSITY (cSt): Not applicable

STORAGE/TRANSPORT PRESSURE (kpa): Atmospheric

ELECTROSTATIC ACCUMULATION HAZARD?

Yes, use proper grounding measures

NORMAL SHIPPING CONTAINERS: Bag

APPLIED MATERIALS AND PACKAGING: Weaving bags,plastic bags

STORAGE/HANDLIN GENERAL NOTE:

Do not store open or use near an open flame,sources of heat or source of spark.Avoid direct sunlight.

Material will accumulate electrostatic which may cause an electrical spark (ignition source).Use proper bonding and/or grounding measures.

Do not stack bagged material on pallets.bagged stacking less than 10 layers and the height of stacking less than 1.5m.The shape and side of product may be unstable under certain conditions(temperature,sunlight).

### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

#### MECHANICAL CONTROL MEASURES/VENTILATION:

Local ventilation of processing equipment may be needed to maintain its concentrations below the recommened limiting value.

#### OCCUPATIONAL EXPOSURE SAFETY LIMITS:

This product contains the material under certain conditions (such as open heating or mechanical shear),the following components with a recommended value may be released:

Particulates (dust);

TWA:10 mg / m<sup>3</sup>, for inhalable particulates not otherwise classified, ACGIH (1999)

Particulates (dust);

TWA: 3 mg / m<sup>3</sup>, for respirable particulates not otherwise classified, ACGIH (1999)

#### PERSONAL PROTECTION:

GENERAL RECOMMENDATIONS



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The use and choice of personal protection equipment is related to the hazard of the product,the workplace,and the way the product is handled.

In general,we recommend as a minimum safety precaution that safety glasses with side-shields and workclothes protecting arms,legs and body be used.In addition,any person visiting an area where this product is handled or processed should at least wear safety glasses with side-shields.

**SPECIAL RECOMMENDATIONS**

The following special advice is believed to provide satisfactory protection for the industrial user or handler.

**RESPIRATORY PROTECTION**

Where concentrations in air may exceed the limits given in this section,it is recommended to use half-mask filter gas mask to protect from over-exposure by inhalation.

**HAND PROTECTION**

When handling this product,it is recommended to wear chemical resistant gloves,using inner gloves for thermal protection of required.The choice of suitable protective gloves depends on work conditions and what chemical are handled.Please contact our company for advice on what type of glove material may be suitable.Gloves should be repalced immediately if sign of degradation is observed.

**EYE PROTECTION**

When handling this product hot ,it is recommended to wear safety glasses and preferably a face shield to protect from splashes of hot material.

**SKIN/BODY PROTECTION**

When handling this product hot,it is recommended to protect arms and body from splashes of hot material.

**9 PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL STATE: Solid

SHAPE/COLOR: Light yellow granular

ODOR: None

PH ( ) (DegC):

Not applicable

FREEZ./MELT POINT (DegC):

Between 95.00 and 105.00 DegC Softening point

BOILING POINT TEMPERATURE: >300 DegC

FLASH POINT (COC ASTM D92): >220 DegC

AUTOIGNITION TEMPERATURE: DegC Not Available

EXPLOSIVE LIMIT(in air): Vol Not Available

VAPOR PRESSURE (degrees Celsius): Kpa Not applicable

DENSITY: g / cm<sup>3</sup>



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PROPORTION (18.0 / 18.0):	0.97	
VAPOR DENSITY (101.3 Kpa / atm = 1):	g /cm <sup>3</sup>	Not applicable
WATER-SOLUBILITY (DegC):	Wt%	Negligible
IS MATERIAL DELIQUESCENT?	No	
VISCOSITY:	cst	Not available
EVAPORATION RATE(butyl acetate = 1):		Not applicable
COEFF. OF THERMAL EXPANSION(Liq.):	DegC	Not applicable
MOLECULAR WEIGHT:	1,200	Average

### 10 THE STABILITY AND REACTIVITY

DANGEROUS POLYMERIZATION REACTION? No  
CONDITIONS TO AVOID POLYMERIZATION: Not applicable  
STABILITY: Stable  
CONDITIONS TO AVOID INSTABILITY:  
Do not heat temperature to 200 DegC (392F).  
MATERIALS AND CONDITIONS TO AVOID(INCOMFATIBILITY):  
Strong oxidizing agents, high temperatures.  
HAZARDOUS DECOMPOSITION PRODUCTS:  
None, apart from the general combustion products of hydrocarbon.

### 11 THE TOXICITY INFORMATION

**ACUTE:** None

**INHALATION:**

At ambient temperature (-18 to 38 DegC) hazardous insignificant.  
Dust on the eyes and respiratory tract irritant.  
High --Temperature steam or aerosols cause irritation to the eyes and cause breathing difficulties.

**SKIN CONTACT:**

Low toxicity.  
Regular or long-term contact may cause the skin discomfort.  
Exposure to hot material may cause thermal burns and adhesion of the solidified product to the skin.

**EYE CONTACT:** Will make eye discomfort, but will not injure the eye tissue.

**MISTAKE INGESTION:** Minimal toxicity

### 12 THE ECOLOGICAL INFORMATION

**ENVIRONMENT MOBILITY:**

The substance is polymer, is insoluble in water, and float.



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### **ENVIRONMENTAL DEGRADATION:**

The substance is expected to persist.

### **ECO-TOXICITY AND BIO-ACCUMULATION:**

No acute toxicity to aquatic organisms is expected due to its low solubility in water.

## **13 DISCARDED NOTES**

The following advice only applies to the product as supplied.

Combination with other materials may well indicate another route of disposal.If in doubt,contact local Authorities.

Care should in any case be taken to ensure compliance with national and local regulations.

This product is suitable for disposal in an approved landfill or by controlled incineration.

## **14 TRANSPORT INFORMATION**

### **LAND:**

This product is not regulated for road / rail transport.

### **SEA--IMDG (PACKAGED GOODS AND BLCs):**

This product is not regulated for sea transport.

### **AIR (ICAO / IATA):**

This product is not regulated for air transport.

## **15.THE LAW LIBRARY**

**CLASSIFICATION/SYMBOL:** None

### **GOVERNMENT DECREE:**

According to EEC directives, the product does not require classification and Labeling.

## **16.THE OTHER INFORMATION**

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees.