



# CHEMICAL PRODUCT SAFETY DATA SHEET

Prepared in accordance with GB/T 16483 and GB/T 17519.

Company name: CRC Industries Trading (Shanghai) Co., Ltd. Product name: CC-3 Technical Grade Concentrate

Issue date: 09-30-2016

Version #: 01

SDS No: -

## 1. Chemical product and company identification

<b>Product name</b>	<b>CC-3 Technical Grade Concentrate</b>
<b>Product code</b>	93134
<b>Company name</b>	CRC Industries Trading (Shanghai) Co., Ltd.
<b>Address</b>	Room 2408, No. 488 South Wuning Road Jingan District - 200042 Shanghai, PR China
<b>General Information</b>	+86 (0) 21 6236 6035
<b>24-Hour Emergency</b>	+86 532 83889090
<b>Website</b>	www.crcindustries.cn

### Recommended use and Limitations on use

<b>Recommended use</b>	Not available.
<b>Issue date</b>	09-30-2016

## 2. Hazards identification

<b>Emergency overview</b>	May be fatal if swallowed and enters airways. May be harmful in contact with skin. May be harmful if swallowed. Causes skin irritation.
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### GHS-classification

<b>Physical hazards</b>	Not classified.
<b>Health hazards</b>	Acute toxicity, oral Category 5 Acute toxicity, dermal Category 5 Skin corrosion/irritation Category 2 Aspiration hazard Category 1
<b>Environmental hazards</b>	Not classified.
<b>Other hazards which do not result in classification</b>	Not classified.

### Label elements

#### Pictograms



### GHS-labeling

<b>Signal word</b>	Danger
<b>Hazard statement</b>	May be harmful if swallowed. May be fatal if swallowed and enters airways. May be harmful in contact with skin. Causes skin irritation.
<b>Precautionary statement</b>	
<b>Prevention</b>	Wear protective gloves. Wash thoroughly after handling.
<b>Response</b>	IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Call a POISON CENTER/doctor if you feel unwell.
<b>Storage</b>	Store locked up.
<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Physical and chemical hazards</b>	The product is stable and non-reactive under normal conditions of use, storage and transport. No unusual fire or explosion hazards noted.

<b>Health hazards</b>	Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia. May be harmful in contact with skin. May be harmful if swallowed. No adverse effects due to inhalation are expected. Causes skin irritation. Direct contact with eyes may cause temporary irritation.
<b>Environmental hazards</b>	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

### 3. Composition/information on ingredients

Substance/mixture	Mixture	
Chemical name	Concentration (%)	CAS Number
white mineral oil	60 - 70	8042-47-5
sorbitan monooleate	5 - 10	1338-43-8
sorbitan monotallate	5 - 10	61791-48-8
petrolatum	3 - 5	8009-03-8
sodium petroleum sulfonate	3 - 5	68608-26-4
fatty acids, C18-unsatd., dimers	1 - 3	61788-89-4

### 4. First aid measures

<b>Inhalation</b>	Move to fresh air. Call a physician if symptoms develop or persist.
<b>Skin contact</b>	Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
<b>Eye contact</b>	Rinse with water. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
<b>Most important symptoms and health effects</b>	Aspiration may cause pulmonary edema and pneumonitis. Skin irritation. May cause redness and pain.
<b>Expected acute symptoms and delayed symptoms</b>	Aspiration may cause pulmonary edema and pneumonitis. Skin irritation. May cause redness and pain.
<b>Personal protection for first-aid responders</b>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.
<b>Notes to physician</b>	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

### 5. Fire-fighting measures

<b>Extinguishing media</b>	Foam. Dry chemicals. Carbon dioxide (CO2).
<b>Extinguishing media to avoid</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards</b>	During fire, gases hazardous to health may be formed.
<b>Special fire fighting procedures</b>	Cool containers exposed to heat with water spray and remove container, if no risk is involved.
<b>Protection of fire-fighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>General fire hazards</b>	No unusual fire or explosion hazards noted.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.

### 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	
<b>For non-emergency personnel</b>	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
<b>For emergency responders</b>	Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.
<b>Environmental precautions</b>	Avoid discharge into drains, water courses or onto the ground.

**Clean-up methods and materials and containment measures**

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Not available.

**Prevention of secondary hazards**

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**7. Handling and storage**

**Handling**

Do not taste or swallow. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated contact with skin. When using, do not eat, drink or smoke. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Wash contaminated clothing before reuse. Observe good industrial hygiene practices.

**Storage**

Keep away from heat and sources of ignition. Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

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**8. Exposure controls/personal protection**

**Exposure limits**

Not available.

**Biological limit values**

No biological exposure limits noted for the ingredient(s).

**Control parameters**

Follow standard monitoring procedures.

**Engineering measures**

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

**Personal protective equipment**

**Respiratory protection**

If engineering controls are not feasible or if exposure exceeds the applicable exposure limits, use a NIOSH-approved cartridge respirator with an organic vapor cartridge. Use a self-contained breathing apparatus in confined spaces and for emergencies. Air monitoring is needed to determine actual employee exposure levels.

**Hand protection**

Wear protective gloves.

**Eye protection**

Wear safety glasses with side shields (or goggles).

**Skin and body protection**

Wear appropriate chemical resistant clothing.

**Hygiene measures**

Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

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**9. Physical and chemical properties**

**Appearance**

**Physical state**

Liquid.

**Form**

Liquid.

**Color**

Amber.

**Odor**

Petroleum.

**pH**

Not available.

**Melting point/freezing point**

-0.4 °F (-18 °C) estimated

**Boiling point, initial boiling point, and boiling range**

212 °F (100 °C) estimated

**Flash point**

> 360 °F (> 182.2 °C) Tag Closed Cup

**Flammability limit - lower (%)**

Not available.

**Flammability limit - upper (%)**

Not available.

**Explosive limit - lower (%)**

Not available.

**Explosive limit - upper (%)**

Not available.

**Vapor pressure**

1.1 hPa estimated

**Vapor density**

> 1 (air = 1)

**Relative density**

0.87

<b>Density</b>	7.3 lbs/gal
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	500 °F (260 °C) estimated
<b>Decomposition temperature</b>	Not available.
<b>Evaporation rate</b>	Slow.
<b>Other data</b>	
<b>Percent volatile</b>	69.7 % estimated

## 10. Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to avoid</b>	Heat. Contact with incompatible materials.
<b>Incompatible materials</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	Carbon oxides.

## 11. Toxicological information

**Acute toxicity** May be fatal if swallowed and enters airways. May be harmful in contact with skin.

<b>Components</b>	<b>Species</b>	<b>Test Results</b>
fatty acids, C18-unsatd., dimers (CAS 61788-89-4)		
<b>Acute</b>		
<b>Oral</b>		
LD50	Rat	> 5000 mg/kg
petrolatum (CAS 8009-03-8)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	> 2000 mg/kg
<b>Inhalation</b>		
LC50	Rat	> 20 mg/l, 4 hours
<b>Oral</b>		
LD50	Rat	> 2000 mg/kg
sodium petroleum sulfonate (CAS 68608-26-4)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	> 2000 mg/kg
<b>Inhalation</b>		
LC50	Rat	> 20 mg/l, 4 hours
<b>Oral</b>		
LD50	Rat	> 2000 mg/kg
sorbitan monooleate (CAS 1338-43-8)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	> 2000 mg/kg
<b>Inhalation</b>		
LC50	Rat	> 20 mg/l, 4 hours
<b>Oral</b>		
LD50	Rat	39800 mg/kg

Components	Species	Test Results
sorbitan monotallate (CAS 61791-48-8)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	> 2000 mg/kg
<b>Inhalation</b>		
LC50	Rat	> 20 mg/l, 4 hours
<b>Oral</b>		
LD50	Rat	39800 mg/kg
white mineral oil (CAS 8042-47-5)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	> 2000 mg/kg
<b>Inhalation</b>		
LC50	Rat	> 5 mg/l, 4 hours
<b>Oral</b>		
LD50	Rat	50000 mg/kg

\* Estimates for product may be based on additional component data not shown.

<b>Routes of exposure</b>	Ingestion. Skin contact. Eye contact.
<b>Symptoms</b>	Aspiration may cause pulmonary edema and pneumonitis. Skin irritation. May cause redness and pain.
<b>Skin corrosion/irritation</b>	Causes skin irritation.
<b>Serious eye damage/eye irritation</b>	Direct contact with eyes may cause temporary irritation.
<b>Respiratory sensitization</b>	Not a respiratory sensitizer.
<b>Skin sensitization</b>	This product is not expected to cause skin sensitization.
<b>Germ cell mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

#### Carcinogenicity

##### IARC Monographs. Overall Evaluation of Carcinogenicity

white mineral oil (CAS 8042-47-5) 3 Not classifiable as to carcinogenicity to humans.

<b>Toxic to reproduction</b>	This product is not expected to cause reproductive or developmental effects.
<b>Specific target organ toxicity following single exposure</b>	Not classified.
<b>Specific target organ toxicity following repeated exposure</b>	Not classified.
<b>Aspiration hazard</b>	May be fatal if swallowed and enters airways.
<b>Chronic effects</b>	Prolonged inhalation may be harmful.

## 12. Ecological information

#### Ecotoxicological data

Components	Species	Test Results
fatty acids, C18-unsatd., dimers (CAS 61788-89-4)		
<b>Aquatic</b>		
<i>Acute</i>		
Fish	LC50 Carp (Cyprinus carpio)	> 350 mg/l, 96 hours
sorbitan monooleate (CAS 1338-43-8)		
<b>Aquatic</b>		
<i>Acute</i>		
Fish	LC50 Rainbow trout,donaldson trout (Oncorhynchus mykiss)	> 1000 mg/l, 96 hours

\* Estimates for product may be based on additional component data not shown.

<b>Ecotoxicity</b>	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
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<b>Persistence and degradability</b>	No data is available on the degradability of this product.
<b>Bioaccumulation</b>	No data available.
<b>Mobility in soil</b>	No data available for this product.
<b>Other hazardous effects</b>	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

### 13. Disposal considerations

<b>Residual waste</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
<b>Contaminated packaging</b>	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.
<b>Local disposal regulations</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

### 14. Transport information

<b>CNDG</b>	Not regulated as dangerous goods.
<b>IATA</b>	Not regulated as dangerous goods.
<b>IMDG</b>	Not regulated as dangerous goods.
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not established.

### 15. Regulatory information

#### Inventory of Existing Chemical Substances in China

Country(s) or region	Inventory name	On inventory (yes/no)*
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)  
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

<b>Applicable regulations</b>	This safety data sheet conforms to the following laws, regulations and standards: Regulations on the Control over Safety of Dangerous Chemicals Regulations on Labor Protection in Workplaces Where Toxic Products Are Used Measures for the Safe Use of Chemicals in Workplaces Safety Data Sheet for Chemical Products - Content and Order of Sections (GB/T 16483-2008) General Rules for Preparation of Precautionary Labels for Chemicals (GB15258-2009 ) Packing Symbol of Dangerous Goods(GB190-2009) Packing - Pictorial Marking for Handling of Goods (GB/T191-2009)
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#### Occupational exposure limits for hazardous agents in the workplace (GBZ 2.1-2007)

Not listed.

#### National Catalogue of Hazardous Wastes

petrolatum (CAS 8009-03-8)  
white mineral oil (CAS 8042-47-5)

#### Restricted Import/Export Toxic Chemical List (MEP and GCA Announcement No. 2008-66, Dec. 1, 2008, amended through MEP and Customs Notice No. 2013-85, December 30, 2013)

Not regulated.

#### Classification and code of dangerous goods (GB 6944-2012)

Not regulated.

#### UN Recommendations on the Transport of Dangerous Goods (UN RTDG)

Not regulated.

### 16. Other information

<b>References</b>	EPA: AQUIRE database NLM: Hazardous Substances Data Base US. IARC Monographs on Occupational Exposures to Chemical Agents
<b>Further information</b>	CRC # 590B

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