

# SAFETY DATA SHEETS

**Sample Description** : WIND INDICATOR REPLACEMENT CARTRIDGE  
**Model Number** : CRC-2NC  
**Applicant** : CHONGQING UNITED TECHNOLOGY INC.  
**Address** : 23-18 SOUTH TOWER OF CENTURY EMPEROR, NO.38 JIANXIN ROAD, JIANGBEI CHONGQING, 400020 CHINA

**Report Number** : SZR170717007001  
**Date of Conduct** : Jul. 17, 2017  
**Date of Report** : Jul. 17, 2017



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Reviewed by Sahen Chen  
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Approved by Leo Li  
Leo Li  
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## Section 1. Chemical Product and Company Identification

### Product identifier

**Product name** : WIND INDICATOR REPLACEMENT CARTRIDGE  
**Model** : CRC-2NC  
**CAS No.** : Refer to section 3  
**EC No.** : Refer to section 3  
**Molecular formula** : Refer to section 3

### Relevant identified uses of the substance or mixture and uses advised against

**Relevant identified uses** : /  
**Uses advised against** : /

### Details of the supplier of the safety data sheet

**Supplier** : CHONGQING UNITED TECHNOLOGY INC.  
**Manufacturer** : CHONGQING UNITED TECHNOLOGY INC.  
**Country of origin** : /  
**Export to** : Europe  
**Website** : /  
**Telephone** : /  
**Fax** : /  
**E-mail address** : /

### Emergency telephone number

**Emergency phone** : /

## Section 2. Hazards identification

### Hazards Classification

In accordance with Regulation (EC) No 1272/2008 (CLP) and amending Regulation (EU) 2015/830 is divided into the following hazard category.

Physical hazard : Not classified as physical hazard category.

Health hazard : Not classified as health hazard category.

Environment hazard : Not classified as environment hazard category.

### Label elements

The product does not need to be labelled in accordance with Regulation (EC) No 1272/2008 (CLP) and amending Regulation (EU) 2015/830 or respective national laws.

### Other hazards

This mixture contains no ingredients considered to be Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) at levels of 0.1% or higher.

## Section 3. Composition/Information on Ingredients

Chemical Name	Molecular formula	Percent of Content (%)	CAS No.	EC No.
Glycerin	C <sub>3</sub> H <sub>8</sub> O <sub>3</sub>	0.5	56-81-5	200-289-5
Propylene Glycol	C <sub>3</sub> H <sub>8</sub> O <sub>2</sub>	0.4	57-55-6	200-338-0

## Section 4. First Aid Measures

- Inhalation** : If breathed in dust/smoke/vapour, remove victim from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and seek medical advice immediately.
- Skin Contact** : If on skin, Wash affected skin with soap and plenty of water.
- Eye Contact** : If contact with dust/smoke/vapour, rinse immediately with plenty of water for 15 minutes. If persist irritating, seek medical advice immediately.
- Ingestion** : If swallowed, rinse mouth with water. Never give anything by mouth to an unconscious person. Seek medical advice immediately.

**Most important symptoms and effects, both acute and delayed**

No further relevant information available.

**Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

## Section 5. Fire Fighting Measures

**Extinguishing media**

Suitable Fire Extinguishing Media : Carbon dioxide, dry chemical extinguishers, water spray alcohol-resistant foam.

Unsuitable Fire Extinguishing Media : None.

**Special hazard arising from the substance or mixture** : Burning fire should be easy to burn. Its vapor and air can form explosive mixtures. In case of fire, it will cause explosion. The vapor is heavier than air, easy accumulate in the low-lying place and spread along the ground, in case of a source of ignition and flash back.

**Combustion Products** : Carbon monoxide, carbon dioxide.

**Advice for firefighters**

Special fire fighting procedures : As soon as possible, remove the goods from fire to open place. For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam. For large fires, Standing on the windward, use water spray, fog, or alcohol-resistant foam. Use water spray to cool fire-exposed containers. Do NOT use straight streams of water.

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Protective Equipment : Wear suitable protective clothing, gloves, eye/face protection and self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear

## Section 6. Accidental Release Measures

**Person precautions protective equipment and emergency procedures** : Emergency response is unlikely unless in the form of dust. Avoid inhalation, eye, or skin contact of dusts by using appropriate precautions outlined in this SDS (see section 8). Fine turnings and small chips should be swept or vacuumed and placed into appropriate disposable containers. Keep fine dust or powder away from sources of ignition. Scrap should be reclaimed for recycling. Prevent materials from entering drains, sewers, or waterways.

**Environment precautions** : Prevent to enter sewage, soil, river and sea.

**Methods and materials for containment and cleaning up** : Use the cleansing scoop to collect into container with lid that it dry and clean. Ventilate and watering after clean. Do not flush away residues with water. Retain as contaminated waste. Remove contaminated soil and dispose of safely


**Additional information** : In order to prevent birds or fish from being fed by the drainage system, they must be thoroughly recovered and reuse.

## Section 7. Handling and Storage

**Precautions for safe handling** : Keep away from sources of ignition.  
Operating personnel must train specially and follow close to the line of operating instruction.  
Ensure good ventilation/exhaustion at the workplace. Minimize vapor/aerosol generation and accumulation.  
Wear suitable protective clothing, gloves and eye/face protection.  
Do not eat, drink or smoke in working areas. Wash skin thoroughly before breaks and after handling.  
Equip with relevant types and quantities of extinguishment instruments and device for divulgence handling.

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**Conditions for safe storage, including any incompatibilities** : Store in cool, dry, ventilated place.  
Keep container tightly closed in a cool, well-ventilated place.  
Keep away from sources of ignition - No smoking.  
Incompatibilities  
Keep separate with the oxidizing agent.  
Avoid contacting with oxidizer and strong acid.  
Keep the sample easy to be identified.

## Section 8. Exposure Controls/Personal Protection

### Control parameters

Occupational exposure limits : Propylene Glycol: TWA 150 ppm 474 mg/m<sup>3</sup>  
Glycerol: TWA 10 mg/m<sup>3</sup>

Biological limit values : No available data.

### Exposure controls

Monitoring Method : Not available data.

Appropriate engineering controls : Operations with potential for generating high concentrations of airborne particulates or fumes should be evaluated and controlled as necessary.

### Personal protective equipment

Respiratory Protection : If the vapour density exceed in the air, must wear mask, or self-contained breathing.

Eye Protection : Wear suitable chemical safety goggles.

Body Protection : Wear work clothes.

Hands Protection : Wear suitable protective gloves.

Other Protection : No smoking, dining and drinking water in the workplace. Keep good habit of hygiene. Shower and change clothes after work.

## Section 9. Physical and Chemical Properties

**Appearance** : Solid

**Color** : White

**Odor** : Citronella

**Density** : No available data  
**Solubility** : Insoluble in water.  
**Boiling point** : No available data  
**Flash point** : No available data  
**PH** : No available data  
**Relative density** : No available data  
**Viscosity** : No available data  
**Tensile strength** : No available data  
**N/mm<sup>2</sup>**

## Section 10. Stability and Reactivity

**Stability** : Stable under normal temperature and pressure.  
**Distribution of Ban** : Strong acids and strong basis  
**Conditions to Avoid** : Strong acids and strong basis  
**Hazardous** : No available data.  
**Polymerization**  
**Hazardous** : No available data.  
**Decomposition**  
**Products**

## Section 11. Toxicological Information

**Acute Toxicity** : No available data.

Component	CAS No.	LD50	LC50
Glycerin	56-81-5	Dermal - Rabbit > 10,000 mg/kg	-
Propylene Glycol	57-55-6	Oral - rat - 20,000 mg/kg Dermal - rabbit - 20,800 mg/kg	-

**Skin** : Glycerin: Eyes - Rabbit: Mild eye irritation - 24 h

**corrosion/irritation**

**Serious eye damage/eye irritation** : No available data.

**Respiratory or skin sensitisation** : No available data.

**Germ cell mutagenicity** : No available data.

**Carcinogenicity** : IARC: The product is not identified as probable, possible or confirmed human carcinogen by IARC.

**Reproductive toxicity** : No available data.

**Specific target organ toxicity-single exposure** : No available data.

**Specific target organ toxicity-repeated exposure** : No available data.

**Aspiration hazard** : No available data.

**Additional information** : No available data.

## Section 12. Ecological Information

**Eco-toxicity** : No known significant effects or critical hazards.

Component	CAS No.	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates	Toxicity to algae
Glycerin	56-81-5	-	-	-
Propylene Glycol	57-55-6	NOEC - Pimephales promelas (fathead minnow) - 52,930 mg/l - 96 h	EC50 - Daphnia magna (Water flea) - > 10,000 mg/l - 48 h	-

**Biodegradable** : No applicable.

**Non-biodegradable** : No applicable.



- Bioconcentration or biological accumulation** : No available data.
- Other harmful effects** : May cause ecological destruction of drainage, measures must be in accordance with the data in this safe use recommended use.

### Section 13. Disposal Considerations

- Waste disposal methods** : Recovery and reuse, rather than disposal, should be the ultimate goal of handling efforts. Dispose in accordance with federal, state, and local health and environmental regulations. Prevent materials from entering drains, sewers, or waterways.
- Attention abandoned** : Prevent materials from entering drains, sewers, or waterways.

### Section 14. Transport Information

#### Maritime transport IMDG

- Hazard class : Non-hazardous material
- UN-Number : Not applicable
- Label : Not applicable
- Packing group : No available data
- Proper shipping name : No available data

#### DOT regulations

- Hazard class : Non-hazardous material
- UN-Number : Not applicable
- Label : Not applicable
- Packing group : No available data
- Proper shipping name : No available data

#### Land transport ADR/RID(cross-border)

- Hazard class : Non-hazardous material
- UN-number : Not applicable

Label : Not applicable  
Packing group : No available data  
Proper shipping name : No available data

**Air transport ICAO-TI and IATA-DGR**

Hazard class : Non-hazardous material  
UN/ID Number : Not applicable  
Label : Not applicable  
Packing group : No available data  
Proper shipping name : No available data

**Section 15. Regulatory Information**

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

German regulations concerning the classification of hazard for water(WGK) : Class 1  
Substance of Very High Concern (SVHC) according to Regulation (EC) No. 1907/2006 (REACH) : Not listed  
The conditions of restrictions according to Regulation (EC) No. 1907/2006 (REACH) Article 67 and Annex XVII for the manufacturing, placing on the market and use must be observed : Not listed  
Regulation (EC) No. 1907/2006 (REACH) Annex XVII( requiring Authorisation for use) : Not listed  
REACH - List of substances subject to authorisation (Annex XIV) : Not listed  
Regulation (EC) No. 1907/2006 (REACH)-Pre-registered substance. : Not listed  
ELINECS(European List of Notified Chemical Substances) : Not listed  
Particular provisions : No available data.

**Chemical Safety Assessment**

A Chemical Safety Assessment has not been carried out.

## Section 16. Other Information

The above information is based on the data of which we are aware and is believed to be correct as of the data hereof. Since this information may be applied under conditions beyond our control and with which may be unfamiliar and since data made available subsequent to the data hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

**Note:**

-All the results of SZR170717007001 refer to the results of SZR170707006001.

\*\*\*\*\* End of SDS \*\*\*\*\*