



**U.N.X. INCORPORATED**

**CP SWIRL**

**SAFETY DATA SHEET**

**SECTION 1: Identification**

**Product identifier:** CP Swirl

**Other means of identification:** Rinse aid

**SDS number:** 840

**Recommended use:** Rinse aid

**Recommended restrictions:** Not for personal care

**Manufacturer/Importer/Supplier/Distributor information**

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Greenville, NC 27858

**Telephone:**

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**SECTION 2: Hazard(s) identification**

**Classification of the substance or mixture:**

**Physical hazards**

H225 Flammable liquid 2

**Health hazards**

**Acute toxicity:**

Category 5

**Skin corrosion/irritation:**

Category 2

**Serious eye damage/eye irritation:**

Category 2

**Label elements:**



**Signal word:** Danger

**Hazard statements**

H303+H313+H333

H315

H319

May be harmful if swallowed, in contact with skin or if inhaled.

Causes skin irritation.

Causes serious eye irritation.

## SECTION 4: First-aid measures

### Description of first aid measures

**General advice:** Remove victims from the danger zone without endangering your own safety.

**Inhalation:** Bring accident victims out into the fresh air. If patient has difficulty breathing, administer oxygen, keep the patient calm and warm. In case of unconsciousness place patient stably in side position for transportation. Call a physician immediately.

**Skin contact:** Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before re-use. After contact with small amounts get medical attention if any discomfort or irritation continues. For large amounts, obtain medical attention.

**Eye contact:** Immediately flush eyes with gentle but large stream of water or eye wash solution for at least 15 minutes, lifting lower and upper eyelids occasionally. If possible remove any contact lenses and continue to wash. Call a physician, immediately.

**Ingestion:** If swallowed, rinse mouth with water (only if the person is conscious). Never give anything by mouth to an unconscious person. DO NOT induce vomiting, medical advice is required. Call a physician, immediately.

### Most important symptoms/effects, acute and delayed:

**Notes to physician:** The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

**Inhalation:** Irritation of nose, throat and airway.

**Ingestion:** May cause nausea and/or vomiting. Irritation of the mouth, throat, esophagus and gastrointestinal tract.

**Skin contact/Skin irritation:** Redness or rash may occur.

**Eye contact:** Causes irritation and burns to the eyes. Possible corneal damage.

**Indication of immediate medical attention and special treatment needed, if necessary:** Cases of eye contact and ingestion should be treated immediately. Have facilities in place to wash skin and eyes in case of exposure.

## SECTION 5: Fire-fighting measures

**Suitable extinguishing media:** This product is not flammable under normal conditions. In case of fire use carbon dioxide (CO<sub>2</sub>), foam, extinguishing powder. In cases of larger fires, water spray should be used. Use any means suitable for extinguishing surrounding fire. Water spray may be used to keep fire-exposed containers cool. If water is used, use in abundance to control heat.

**Unsuitable extinguishing media:** Do not use water jet as this can spread the fire. Do not use carbon dioxide in enclosed spaces with insufficient ventilation.

**Specific hazards arising from the chemical:** No unusual fire or explosion hazards noted. Product containers can melt in the heat of a fire. Packaging materials will be combustible and provide fuel for the fire. In the event of fire and/or explosion do not breathe fumes.

**Special protective equipment and precautions for fire-fighters:** In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode. During fire-fighting respirator with independent air-supply and airtight garment is required. Fight fire in early stages if safe to do so. Containers at risk of fire should be cooled with water and, if possible removed from the danger area. Do not allow contaminated extinguishing water to enter the soil, ground-water or surface waters.

**SECTION 8: Exposure control/personal protection**

**Control Parameters / Occupational exposure limits:**

**U.S.OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

Chemical Name	CAS-No.	Type	Value	
		PEL/TWA	400 ppm	980 mg/m <sup>3</sup>
Isopropanol	67-63-0	STEL	500 ppm	1,225 mg/m <sup>3</sup>

**U.S. ACGIH Threshold Limit Values**

Chemical Name	CAS-No.	Type	Value
		TWA	200 ppm
Isopropanol	67-63-0	STEL	400 ppm

**Appropriate engineering controls:**

**Ventilation System:**

A system of local and/or general exhaust is recommended to keep employee exposures below the defined exposure limit requirements or guidelines. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition for details.

**Individual protection measures, such as personal protective equipment (PPE)**

**Eye Protection:** Use chemical safety goggles and / or full face shield where dusting or splashing of solutions is possible. Maintain eye wash fountain and quick-drench facilities in work area.

**Skin Protection:** Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

**Hand protection:** Wear protective gloves. Butyl rubber, rubber (natural, latex), nitrile, polyvinyl chloride (PVC). Be aware that latex gloves can produce an allergic reaction in sensitive individuals.

Gloves should have a breakthrough time sufficient for the amount of handling but allow dexterity for safe movement and handling. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material. Gloves showing signs of degradation should be changed to avoid skin contamination. Be aware that the liquid may penetrate the gloves. Frequent change is advisable. When removing used gloves apply proper technique by avoiding skin contact with the outer surface. When packages of the product are being handled during storage or transport it is advisable to wear protective gloves to prevent damage to the skin.

**Personal Respirators (NIOSH Approved):** If the exposure limit is exceeded, a full face piece respirator with high efficiency dust/mist filter may be worn up to 50 times the exposure limit. Wear suitable respiratory protection when vapors or mists are produced if the Workplace Exposure Limit is exceeded and there is insufficient ventilation or extraction. For emergencies or instances where the exposure levels are not known, use a full face piece positive-pressure, air-supplied respirator. Respirator must be fitted with a cartridge suitable for the chemical of concern. Consult with the supplier as to the compatibility of the equipment with the chemical of concern. CAUTION: Air purifying respirators do not protect the user in oxygen deficient atmospheres, use air supplied system.

**Thermal Hazards:** Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations:** Wash hands, change out of clothes as soon as possible. Wash Clothes. Shower or bathe as soon as possible.

**Other protective measures:** Have an eye bath and safety shower close by.

**SECTION 11: Toxicological Information (continued)**

**Methyl-oxirane polymer with oxirane - Acute Toxicity Estimate (ATE)**

This product has not been tested. The statement has been derived from products of similar structure and composition.

Oral LD <sub>50</sub> : > 5,000 mg/kg Rat (BASF Test)	Dermal LD <sub>50</sub> : > 2,000 mg/kg Rabbit	Skin irritation: Rabbit: non-irritant (OECD Guideline 404) Eye Irritant: Rabbit: non-irritant (OECD Guideline 404)
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Isopropyl Alcohol - Acute toxicity Estimate (ATE)		
Oral LD <sub>50</sub> > 2,000 mg/kg, Rat	Dermal LD <sub>50</sub> > 2,000 mg/kg Rabbit	Inhalation LC <sub>50</sub> > 5,000 ppm, 1 h, Rat

**Skin Corrosion/irritation:** May cause irritation of the skin. Not known to be corrosive.

**Serious eye damage/irritation:** May cause irritation and serious eye damage.

**Respiratory or skin sensitization:**

**Respiratory sensitization:** Classification not possible.

**Skin sensitization:** Classification not possible.

**Germ cell mutagenicity:** Classification not possible.

**Carcinogenicity:** Classification not possible

**Reproductive toxicity:** Classification not possible.

**Specific Target Organ Toxicity - Single Exposure:** Classification not possible.

**Specific Target Organ Toxicity - Repeated Exposure:** Classification not possible. Isopropyl caused kidney effects in male rats which are not considered relevant to humans.

**Aspiration hazard:** Classification not possible.

**SECTION 12: Ecological Information**

**Toxicity:** Do not allow to escape into waterways, wastewater or soil. Ecotoxicological studies of the product are not available. Please find below the data available to us from raw materials:

**Aquatic ecotoxicity:**

Methyl-oxirane polymer with oxirane		
Acute and prolonged toxicity to fish: golden orfe/LC <sub>50</sub> (96h): > 100 mg/L	Acute toxicity to aquatic invertebrates: EC <sub>50</sub> (48h): > 100 mg/L	Toxicity to aquatic plants: EC <sub>50</sub> (72h): > 100 mg/L

**SECTION 15: Regulatory information**

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

Unless otherwise noted, no components are SARA TITLE 3 SECTION 313 40 CFR listed materials. The ingredients of this product are listed on the TSCA inventory. This product is not made with VOC'S that could cause damage to the ozone layer.

**SECTION 16: Other information including date of preparation or last revision**

**Chemical State:** Liquid  
**Chemical Type:** Mixture

**Issue Date:** 07-01-2014  
**Revision Date:** 03-14-2016  
**Version #:** 02

1	Health
1	Flammability
0	Physical Hazard
C	Personal Protection

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