



# SAFETY DATA SHEET

## 1. Identification

**Product Identifier** Next Gen Plus - RTU

**Other means of identification**

**Product code** CU-1875

**Recommended use** Multi-Purpose Disinfectant Cleaner.

**Recommended restrictions** Use only as directed

**Manufacturer information**

**Company name** Chemical Universe, Inc.

**Address** 1133 Saline St.  
North Kansas City, MO 64116

**Telephone** (816) 471-3602

**Fax** (816) 474-3302

**Emergency phone number** PERS (800) 633-8253  
24 hour Emergency (800) 633-8253

## 2. Hazard(s) Identification

**Physical hazards** Not classified. Dilute oxidizing liquid

**Health hazards**

**Environmental hazards** No environmental hazards classified.

**OSHA defined hazards** None listed.

**Label elements**

**Signal word** **None**

**Hazard statement** Causes skin burns and serious eye damage.  
Causes skin irritation.

**Precautionary statement**

**Prevention** Do not breath mist/vapors/spray. Wear eye protection/face protection. Wash hands and exposed skin thoroughly after handling. Wear protective gloves.

**Response** IF SWALLOWED: Rinse mouth. Do not induce vomiting. Immediately call a Poison Control Center or qualified doctor/physician.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
IF ON SKIN: Wash with plenty of water for at least 15 minutes. Take off contaminated clothing and wash it before reuse.

**Storage** Store locked up

**Disposal** Dispose of contents and container in accordance with applicable local, state or federal regulations.

**Hazard(s) not otherwise classified (HNOC)** None.

**Supplemental information** None.

## 3. Composition/information on ingredients

Mixture/Solution			
Chemical name	CAS number	%	GHS Classification - Notes
Hydrogen peroxide	7722-84-1	1-5	Eye Irritation Category 2 (5% - 8%) Skin Corrosion category 1A (> 70%)
Other components below reportable levels		95-99	



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## 4. First-aid measures

<b>General</b>	In all cases of doubt, or when symptoms persist or worsen, seek immediate medical attention
<b>Inhalation</b>	Move to fresh air. Keep patient warm and calm. If breathing is irregular or stopped, administer artificial respiration. If unconscious, place in the recovery position and obtain immediate medical attention. Call a physician if additional symptoms develop or persist.
<b>Skin contact</b>	Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders.
<b>Eye contact</b>	Rinse eyes with clean water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention. Eye wash stations should be located in work area.
<b>Ingestion</b>	Rinse mouth. Get medical attention. Do not induce vomiting. If vomiting occurs, maintain the victims head below hip level to avoid aspiration
<b>Most important symptoms/effects, acute and delayed</b>	Causes severe eye irritation. Inhalation of vapors or mists irritate the nose and throat. Mild irritation to eyes in aerosol form. Mildly irritating to exposed skin.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general support measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed. If swallowed, may cause irritation of the digestive tract

## 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).
<b>Unsuitable extinguishing media</b>	None known. Do not use water jet for standard response.
<b>Specific hazards arising from the chemical</b>	The product is a dilute oxidizer and may form excess oxygen in decomposition.
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire-fighting equipment/instructions</b>	Move containers from fire area if you can do so without risk.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>General fire hazards</b>	No unusual fire or explosion hazards noted.

## 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Wear appropriate protective equipment and clothing during clean-up. Wear appropriate hand, eye and face protection. Nitrile, PVS and neoprene gloves are recommended for this class of material
<b>Methods and materials for containment and cleaning up</b>	Caution – Keep away from highly volatile organic chemicals in confined area.  Large spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in inert vermiculite, dry sand or Fuller's earth and place into containers. Prevent entry into waterways and sewer drains. Small spills: Wipe up with absorbent material (e.g. polymer cloth). Clean surface thoroughly to remove residual contamination. Never return spills to original container for re-use. For waste disposal, see section 13 of the SDS.
<b>Environmental precautions</b>	Do not release into the open environment (see section 12). Avoid discharge into areas not consistent with package labeling.



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## 7. Handling and storage

**Precautions for safe handling** Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

**Conditions for safe storage, including any incompatibilities** Store in original tightly closed container. Do not store in extreme conditions of heat and cold. Handle containers carefully to avoid spillage or damage.

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### Occupational Exposure Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Exposure Threshold
Hydrogen Peroxide	OSHA PEL	1 ppm (1.4 mg/m <sup>3</sup> )
	ACGIH TWA (8-hr)	1 ppm (1.4 mg/m <sup>3</sup> )
	NIOSH REL	1 ppm (1.4 mg/m <sup>3</sup> )

IARC Carcinogen – Group 3 (hydrogen peroxide)

**Appropriate engineering controls** Emergency eye wash stations and showers should be readily accessible. Provide natural or mechanical ventilation/local exhaust. If unable to implement effective engineering controls, appropriate personal respiratory protection equipment must be provided and worn

### Individual protection measures, such as personal protective equipment

**Eye/face protection** Avoid contact with eyes. Wear safety glasses with side shields (or goggles).

**Skin protection** Wear long sleeve shirts or protective sleeves with full-length pants.

**Hand protection** Wear appropriate chemical resistant gloves (butyl rubber, PVC or equivalent) .

**Respiratory protection** Respiratory protection not required under conditions of normal use.

**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations** When using do not smoke or use chewing tobacco. 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. Contaminated work clothing should not be allowed out of the workplace.

## 9. Physical and chemical properties

### Appearance

**Physical State** Liquid

**Color** Clear

**Odor** Floral, aromatic

**Odor threshold** Not available.

**pH** 1.7 – 2.0

**Melting/freezing point** Not available.

**Initial boiling point and boiling range** 212°F (100°C)

**Flash point** Not applicable

**Evaporation rate** > 1 (butyl acetate = 1)

**Flammability** Not flammable.

**Flammability Limits**

**Upper** Not available.

**Lower** Not available.



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Vapor pressure	Not available.
Vapor density	Not available.
Specific gravity (water=1)	1.0
Solubility in water	Soluble
Partition coefficient (n-octanol/water)	Not applicable
Auto-ignition temperature	Not available.
Decomposition temperature	Decomposes on heating.
Viscosity	Not available.
VOC Content	<0.001%

## 10. Stability and reactivity

Reactivity	This product is stable and non-reactive under normal conditions of use.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Heat, flames can cause product to decompose.
Incompatible materials	Reducing agents and strong acids
Hazardous decomposition products	Oxygen, hydrogen gases are possible under elevated temperature conditions

## 11. Toxicological information

### Information on likely routes of exposure

Ingestion	Corrosive to mucous membranes, will damage tissue if there is prolonged contact.
Inhalation	Expected to be a low inhalation hazard.
Skin contact	Repeated and/or prolonged skin contact may cause irritation and/or burns.
Eye contact	Causes severe eye damage. May cause severe corneal injury.
Symptoms related to the physical, chemical and toxicological characteristics	Dermatitis. Rash. May cause an allergic skin reaction.
Acute toxicity	Expected to have a low toxicity.

Next Gen PLUS -RTU (CAS mixture)		
Exposure Unit	Route and Species	LD <sub>50</sub>
Acute LC <sup>50</sup>	Oral, rat	>1,000 mg/kg estimated
	Dermal, rat	>3,000 mg/kg
Acute LD <sup>50</sup>	Inhalation (rat)	>800 mg/L (4/hr.)
Acute LD <sup>50</sup>	Dermal (rabbit)	> 2,000 mg/kg

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

Skin corrosion/irritation	Causes moderate skin irritation/corrosion.
Serious eye damage/irritation	Causes serious eye irritation.
Respiratory sensitization	Not classified.
Skin sensitization	Not classified.
Germ cell mutagenicity	Not classified.
Carcinogenicity	IARC, Group 3 carcinogen.
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	Not Listed.



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Reproductive toxicity	Not classified.
Specific target organ toxicity – single exposure	Not classified.
Specific target organ toxicity – repeated exposure	Not classified.
Aspiration hazard	Not considered an aspiration hazard.

## 12. Ecological information

Ecotoxicity - (Hydrogen Peroxide)		
Next Gen Plus -All Purpose Cleaner and Disinfectant (CAS mixture)		
Aquatic Receptor	Species	Test Results
Crustacea	Daphnia Carinate	EC <sub>50</sub> (48hr): 477 mg/L estimated
Fish	Fathead Minnow	LC <sub>50</sub> (96hr): 203 mg/L estimated
Fish	Solea. solea	LC <sub>50</sub> (96hr): 150 mg/L
Algae	Chaetoceros gracilis	ErC <sub>50</sub> : 3.2 mg/L 72-hr
<i>*Estimates for product may be based on additional component data not shown.</i>		

<b>Persistence and degradability</b>	This material is chemically degradable and biodegradable under most environmental conditions.
<b>Bio-accumulative potential</b>	No data available. Chemicals of this class are not readily accumulated in biological systems
<b>Mobility in soil</b>	Not available. Chemicals of this class are readily degraded and not considered to be highly mobile
<b>Other adverse effects</b>	The pH of this product may cause it to be toxic to aquatic and terrestrial organisms.

## 13. Disposal considerations

<b>Disposal instructions</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national regulations. Do not release to the open environment.
<b>Local disposal regulations</b>	Dispose in accordance with all applicable regulations
<b>Waste from residues/unused product</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). This product, as packaged does not warrant EPA hazardous waste characteristic (40 CFR Part 261 Subpart C)
<b>Contaminated packaging</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may contain product residue, follow label warnings even after container is emptied.

## 14. Transport information

### DOT

<b>UN number</b>	Not subject to regulation as a hazardous material
<b>UN proper shipping name</b>	Not subject to regulation as a hazardous material
<b>Transport hazard class(es)</b>	
<b>Class</b>	NA
<b>Subsidiary risk</b>	NA
<b>Packaging group</b>	NA
<b>Marine pollutant</b>	No
<b>Special precautions for user</b>	Read safety instructions, SDS, and emergency procedures before handling.



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Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not intended to be transported in bulk.

## 15. Regulatory information

### US Federal regulations

**Toxic Substance Control Act** This chemical is sub-registered as a disinfectant **under master** TSCA listing

**SARA 302 Extremely hazardous substance -** Hydrogen peroxide.

**SARA 304 Emergency release notification** Hydrogen peroxide

### SARA 311/312 Hazard Categories

Immediate Hazard - Yes  
Delayed Hazard – No  
Fire Hazard – No  
Pressure Hazard – No  
Reactivity Hazard – No

### SARA 313 (TRI reporting)

None listed

### California Proposition 65

#### California Safe Drinking Water and Toxic Enforcement Act of 1986

This product is not known to contain any chemicals currently listed as carcinogens or reproductive toxins under California Proposition 65 at levels which would be subject to threshold determination and Safe Harbor notification (1/2019)

## 16. Other information, including date of preparation or last revision

**Issue date** 12/26/2018

**Revision date** 06/25/2019

**Version #** 1.2

**HMIS® ratings** Health: 2  
Flammability: 0  
Physical hazard: 0

**NFPA ratings** Health: 2  
Flammability: 0  
Instability: 0

**Disclaimer** The information provided in this Safety Data Sheet is correct to the best of our knowledge, and have been obtained from resources believed to be reliable. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information related only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified by the text.

**Revision information** Format changes; update e-tox table data, narrative changes to Sections 3, 5 9 and 13. Physical data update. 6-25-2019, updated item number.