SAFETY DATA SHEET

1. Identification

Product Identifier	**Oxy Bleach**
Other means of identification	CU-7260, 7260-CLL
Product code	
Recommended use	Color safe bleach.
Recommended restrictions	None known.

Manufacturer/supplier/distributor/importer information

Company name	Chemical Universe
Address	1841 Vernon Street 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	Oxidizing liquids	Category 2
Health hazards	Acute toxicity, oral	Category 4
	Skin corrosion	Category 2
	Serious eye damage	Category 1
Environmental hazards	Not classified.	
OSHA defined hazards	None.	
Label elements		

Signal word	**DANGER**
Hazard statement	May intensify fire; oxidizer. May be harmful if swallowed. Causes severe skin burns and eye damage.

Precautionary statement

Prevention	Keep away from heat. Keep/Store away from clothing/combustible materials. Take any precaution to avoid mixing with combustibles. Do not breathe dusts or mists. Wash hands and exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.
Response	In case of fire: Use dry sand, dry chemical, or alcohol-resistant foam for extinction. Call a POISON CENTER/doctor/medical professional if you feel unwell. **IF SWALLOWED**: Rinse mouth. Do NOT induce vomiting. **IF ON SKIN** (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. **IF INHALED**: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center/doctor/medical professional. Specific treatment (see supplemental first aid section on this label) **IF IN EYES**: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.

Storage	Store locked up. Store away from flammable/combustible materials
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)	None.
Supplemental information	None.

3. Composition/information on ingredients

Mixture Component(s)		
Chemical name	**CAS number**	**%**
Hydrogen peroxide	7722-84-1	10-15
Other components below reportable levels		85-90

4. First-aid measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and warm water for at least 15 minutes. In case of eczema or other skin disorders: Seek medical attention and take along these instructions.
Eye contact	Rinse with water for at least 15 minutes. Remove contact lenses if present and easy to do so. Immediately call a physician or transport to hospital.
Ingestion	Rinse mouth. Get medical attention if symptoms occur. Do not induce vomiting.
Most important symptoms/effects, acute and delayed	Can cause serious eye damage. Can cause burning sensation in affected areas. Can cause dermatitis, rash. Hydrogen peroxide can temporarily turn the skin white with persistent contact.
Indication of immediate medical attention and special treatment needed	Provide general support measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
General information	Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. Wash contaminated clothing before reuse. Use with caution.

5. Fire-fighting measures

Suitable extinguishing media	Foam. Dry chemical powder. Carbon dioxide (CO_2). Dry sand.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread a liquid-fueled fire.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed. Oxidizing liquid. May increase intensity of fire through the addition of oxygen
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protecting clothing must be worn in case of fire.
Fire-fighting equipment/instructions	Move containers from fire area if you can do so without risk. Do not attempt to move containers that are distorted or audibly off-gassing
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	May increase fire intensity through additional oxygen.

6. Accidental release measures

Personal precautions, protective equipment, and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Avoid inhalation of vapors or mists. Do not touch damaged containers or spilled materials 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.
Methods and materials for containment and cleaning up	This product is miscible in water and will cause/contribute to combustion of organic materials.

Large spills: Stop the flow of material if this is without risk. Isolate the spilled materials from any combustible materials, if possible. Dike the spilled material with an inorganic sorbent (clay, vermiculite, Spill-X), where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements, or confined areas. Following product recovery, flush area with water.
Small spills: Wipe up with absorbent material (e.g., polypropylene cloth, or synthetic textile). 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.

Environmental precautions Avoid release to the general environment. Avoid discharge into areas not consistent with package labeling.

7. Handling and storage

Precautions for safe handling Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities Store in original tightly closed container. Store away from incompatible materials (see section 10 of the SDS). Sore in temperatures below 100°F to avoid excessive degradation of the peroxide component.

8. Exposure controls/personal protection

Occupational exposure limits

US OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Hydrogen Peroxide	PEL	1 ppm

US ACGIH Threshold Limit Values

Components	Type	Value
Hydrogen Peroxide	TWA	1 ppm

Biological limit values

ACGIH Biological Exposure Indices

No data available.

Appropriate engineering controls 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 to an acceptable level. It is recommended that users of this product perform a risk assessment to determine the appropriate personal protective equipment.

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

Hand protection Wear appropriate chemical resistant gloves (nitrile, PVC and and neoprene are recommended)

Other Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

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	Colorless.
Odor	Characteristic.
Odor threshold	Not available.
pH	3-4
Melting/freezing point	17.6°F (-8°C) estimated.
Initial boiling point and boiling range	215.6°F (102°C).
Flash point	Not applicable.
Evaporation rate	Not available.
Flammability	Not available.
Flammability Limits	
Upper	Not available.
Lower	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Specific gravity (water=1)	1.04
Solubility in water	Complete.
Partition coefficient (n-octanol/water)	Not applicable
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.

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. Store in a cool dark place.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Material decomposes with the potential to produce a rupture of unvented closed containers. Avoid storing in excessive heat or sunlight.
Incompatible materials	Metals, organic materials, strong reducing agents, strong bases.
Hazardous decomposition products	No hazardous decomposition products occur. Oxygen can be liberated at temperatures above ambient.

11. Toxicological information

Information on likely routes of exposure

Ingestion	Do not ingest. May be harmful if swallowed.
Inhalation	Do not inhale. May irritate the upper respiratory tract.
Skin contact	Can cause severe skin burns.
Eye contact	Can cause serious eye damage.
Symptoms related to the physical, chemical and toxicological characteristics	Severe skin burns, serious eye damage. Can temporarily turn skin white with prolonged contact.
Acute toxicity	May be harmful if swallowed.

Product - Oxy Bleach (CAS mixture)

Hazard Classification	Route and Species	LD_{50}
Acute	*Oral*, rat	3,470 mg/kg estimated.
*Estimates for product may be based on additional component data not shown		

Skin corrosion/irritation	Can cause severe skin burns.
Serious eye damage/ irritation	Can cause serious eye damage.
Respiratory sensitization	Not considered a respiratory sensitizer.
Skin sensitization	Not considered a skin sensitizer.
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	Not considered a carcinogen.
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	Not Listed.
Reproductive toxicity	No data available.
Specific target organ toxicity – single exposure	May irritate the upper respiratory tract with prolonged inhalation.
Specific target organ toxicity – repeated exposure	No data available.
Aspiration hazard	No data available.

12. Ecological information

Ecotoxicity		
Product Oxy Bleach (CAS mixture)		
Aquatic	**Species**	**Test Results**
Crustacea	Daphnia magna	EC_{50}= 22 mg/L estimated.
Fish	Fathead minnow	LD_{50}= 68 mg/L estimated.
*Estimates for product may be based on additional component data not shown		

Persistence and degradability	Hydrogen peroxide in the aquatic environment is subject to various reduction or oxidation processes and decomposes into water and oxygen. Hydrogen peroxide half-life in freshwater ranges from 8 hours to 20 days, in air from 10 to 20 hours, and in soils from minutes to hours depending upon microbiological activity and metal contamination.
Bio-accumulative potential	Expected to be low, will likely degrade chemically before biological accumulation can occur.
Mobility in soil	Will likely be mobile in the environment but will degrade quickly over time.
Other adverse effects	None.

13. Disposal considerations

Disposal instructions	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.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues/unused product	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).
Contaminated packaging	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

UN number	UN2984

UN proper shipping name	Hydrogen peroxide, aqueous solutions
Transport hazard class(es)	
Class	5.1
Subsidiary risk	-
Packaging group	III
Marine pollutant	No
Special precautions for user	Read safety instructions, SDS, and emergency procedures before handling.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not intended to be transported in bulk.

DOT Label/Placard

15. Regulatory information

US federal regulations .

SARA 302 Extremely hazardous substance Not listed.

SARA 304 Emergency release notification Not listed.

SARA 311/312 Hazard Categories

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

SARA 313 (TRI reporting)

Not listed.

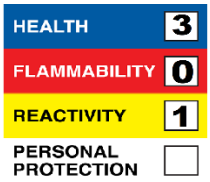
California Proposition 65

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	2/2/2015
Revision date	4/12/2019
Version #	2.1
HMIS® ratings	Health: 3 Flammability: 0 Physical hazard: 1



NFPA ratings

Health: 3
Flammability: 0
Instability: 1

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

4-12-2019
Change acute toxicity category from 5 to 4, Update format, Revise toxicity data (update), Text changes to physical descriptions, California Prop 65 notice, Disposal information update (RCRA reference)
Add HMIS and NFPA pictograms.