

1. Identification

Product Identifier	Fusion HD	
Other means of identification	CU-6000	
Product code		
Recommended use	Non-butyl cleaner and degreaser.	
Recommended restrictions	None.	
Manufacturer information		
Company name	Chemical Universe, Inc.	
Address	1841 Vernon 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	
Health hazards	Serious eye damage	Category 1
	Skin corrosion/irritation	Category 1
Environmental hazards	Not classified.	
OSHA defined hazards	Not listed.	
Label elements		



Signal word	DANGER
Hazard statement	Causes severe skin burns and eye damage.
Precautionary statement	
Prevention	Do not breathe dust/fume/gas/mist/vapors/spray. Wash hands and exposed skin thoroughly after handling. Do not touch eyes. Wear protective gloves/protective clothing/eye protection/face protection.
Response	<p>IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.</p> <p>IF ON SKIN: Take off immediately all contaminated clothing. Immediately rinse with water for several minutes. Wash contaminated clothes before reuse.</p> <p>IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get emergency help immediately. See section 4 of this SDS for specific treatment.</p> <p>IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Get emergency help.</p>
Storage	No prescriptive instruction
Disposal	No prescriptive instruction
Hazard(s) not otherwise classified (HNOC)	None.
Supplemental information	None.

3. Composition/information on ingredients

Mixture Component(s)		
Chemical name	CAS number	%
Benzenesulfonic acid	68584-22-5	1-5
Tetrasodium EDTA	64-02-8	1-5
Other components below reportable levels		90-95

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 water. 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. Get medical attention. Eye wash stations should be in work area.
Ingestion	Rinse mouth. Do not induce vomiting. Wash out mouth with water and give 200-300 ml (half a pint) of water to drink. Obtain immediate medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed	Strongly alkaline. Causes skin and eye burn or severe irritation. Irritating to respiratory system. May cause permanent damage to eyes Dermatitis. Rash. May cause an allergic skin reaction.
Indication of immediate medical attention and special treatment needed	Provide widespread 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.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂)
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
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.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment, and emergency procedures	Wear appropriate protective equipment and clothing during clean-up. Wear eye/face protection.
Methods and materials for containment and cleaning up	Caution – spillages may be slippery.



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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. Prevent entry into waterways, storm sewer or confined areas.

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

Residual contamination can be affected through use of vinegar, citric acid, or other weak acid material. Caution; Neutralization reactions release heat.

Never return spills to original container for re-use. For waste disposal, see section 13 of the SDS.

Environmental precautions Do not release into the open environment (see section 12). Avoid discharge into surface drainage paths, sewers, or other areas not consistent with package labeling.

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. Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool, and well-ventilated area, away from incompatible materials (See Section 10) and food and drink. Store in a corrosion-resistant container with a resistant inner liner. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. Exposure controls/personal protection

Occupational exposure limits

Workplace Environmental Exposure Level OSHA

Components	Type	Value
Sodium hydroxide	PEL 8-hr	2 mg/m ³
Sulphuric acid	PEL 8-hr	1 mg/m ³

Workplace Environmental Exposure Level -ACGIH

Components	Type	Value
Sodium hydroxide	CEIL	2 mg/m ³
Sulphuric acid	TLV	1 mg/m ³

Biological limit values No data available.

Appropriate engineering controls Emergency eye wash stations and showers should be readily accessible. Provide natural or mechanical ventilation.

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	The use of gloves impervious to the specific material managed is advised to prevent skin contact. Users should check with manufacturers to confirm the breakthrough performance of their products. Suggested protective materials: Nitrile and neoprene rubber
Other	Depending on exposure and use conditions, additional protection may be necessary to prevent skin contact including use of items such as chemical-resistant boots, aprons, arm covers, hoods or coveralls.
Respiratory protection	Respiratory protection not required for prescribed use of this product
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 managing 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	Fluorescent green
Odor	Fresh
Odor threshold	Not available.
pH	12-13
Melting/freezing point	Not available.
Initial boiling point and boiling range	>212°F (100°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)	0.998
Solubility in water	Fully Soluble
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Decomposes on heating.
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.
Possibility of hazardous reactions	Hazardous polymerization does not occur.



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Conditions to avoid Heat, flames can cause product to decompose.
Incompatible materials Strong acids, strong bases, strong oxidizing agents.
Hazardous decomposition products Aldehydes, ketones, organic acids, carbon dioxide, carbon monoxide.

11. Toxicological information

Information on routes of exposure

Ingestion May be harmful if swallowed. Do not ingest
Inhalation Expected to be a low inhalation hazard.
Skin contact Repeated and/or prolonged skin contact causes 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 acute toxicity value.

Product Fusion HD (CAS mixture)		
Exposure Classification	Route and Species	LD ₅₀ /LC ₅₀
Acute	Oral, rat	8,900 mg/kg estimated
Acute	Dermal, rabbit	>6,000 mg/kg (literature)
*Estimates for product may be based on additional component data not shown		

Skin corrosion/irritation Causes skin irritation.
Serious eye damage/ irritation Causes serious eye damage.
Respiratory sensitization Not classified.
Skin sensitization Not classified.
Germ cell mutagenicity Not classified.
Carcinogenicity Not considered a carcinogen.
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) Not Listed
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		
Product Fusion HD (CAS mixture)		
Aquatic Receptor	Species	Test Threshold
Crustacea	Daphnia magna (water flea)	EC ₅₀ (48-hr): 36 mg/L (estimated)
Fish	Fathead Minnow	LC ₅₀ (96-hr): 20 mg/kg (estimated)
*Estimates for product may be based on additional component data not shown		



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Persistence and degradability	Not available. Chemicals of this class are not expected to be persistent in an open aerobic environment
Bio-accumulative potential	No data available.
Mobility in soil	Not available. Chemicals of these classes are highly water soluble and will partition readily to water and weakly to particles in low-clay soil matrices. They are expected to exhibit moderate to high mobility in saturated and semi-saturated soils in ionic solution and weak medium suspension
Other adverse effects	The pH of this product may cause it to be toxic to aquatic and terrestrial organisms at high concentrations in the aqueous medium.

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. Do not release to the environment.
Local disposal regulations	Dispose in accordance with all applicable regulations as packaged, this product may meet criteria defining RCRA corrosive (D002) hazardous wastes when disposed. (40 CFR Part 261, Subpart C). Before selecting disposal method, ensure that the waste materials have been accurately assessed and, as necessary, evaluated to confirm regulatory status.
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 Not regulated as dangerous goods.

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-reportable) 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 (3/2022)

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

Issue date 1/25/2015
Revision date 6/1/2022
Version # 4
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 General format update; Refine composition table, amend physical data; Update toxicology thresholds and environmental fate information; Text clarification amendments Sections 5,6,8,9 and 12. PPE recommendation updated; California Proposition 65 notice; HMIS and NFPA pictograms added