



# SAFETY DATA SHEET

## 1. Identification

**Product Identifier** Fusion RTU  
**Other means of identification** CU-6050  
**Product code**  
**Recommended use** Environmentally preferred cleaner/degreaser.  
**Recommended restrictions** None.  
**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.  
**Health hazards** Eye irritant. Category 2A  
**Environmental hazards** Not classified.  
**OSHA defined hazards** Not listed.  
**Label elements**



**Signal word** **WARNING**  
**Hazard statement** Causes serious eye irritation.  
**Precautionary statement**  
**Prevention** Wash hands and exposed skin thoroughly after handling. Wear eye protection/face protection.  
**Response** **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.  
**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	%
Alcohols, C9-11, ethoxylate	68439-46-3	1-3
Diethylene glycol monoethyl ether	111-90-0	1-3
Other components below reportable levels		94-96



## SAFETY DATA SHEET

### 4. First-aid measures

<b>Inhalation</b>	Move to fresh air. Call a physician if 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: Seek medical attention and take along these instructions.
<b>Eye contact</b>	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 located in work area.
<b>Ingestion</b>	Rinse mouth. Get medical attention if symptoms occur. Do not induce vomiting.
<b>Most important symptoms/effects, acute and delayed</b>	Dermatitis. Rash. May cause an allergic skin reaction.
<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.
<b>General information</b>	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

<b>Suitable extinguishing media</b>	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).
<b>Unsuitable extinguishing media</b>	None known.
<b>Specific hazards arising from the chemical</b>	During fire, gases hazardous to health may be formed.
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protecting 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 eye/face protection.
<b>Methods and materials for containment and cleaning up</b>	Caution – spillages may be slippery.  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, sewer, basements or confined areas.  Small spills: Wipe up with absorbent material (e.g. cloth, absorbent wipes). Clean surface thoroughly with water 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 surface drainages and other areas not consistent with package labeling.



# SAFETY DATA SHEET

## 7. Handling and storage

<b>Precautions for safe handling</b>	Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
<b>Conditions for safe storage, including any incompatibilities</b>	Store in original tightly closed container. Do not store in extreme conditions.

## 8. Exposure controls/personal protection

### Occupational exposure limits

None established

### Biological limit values

None established

**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

Wear appropriate chemical resistant gloves. Latex and nitrile rubber are industry accepted barrier materials

#### Other

None.

### Respiratory protection

Respiratory protection not required for normal 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 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

Blue/green.

### Odor

Fresh. herbal

### Odor threshold

Not available.

### pH

6-8

### Melting/freezing point

Not available.

### Initial boiling point and boiling range

>212°F (100°C)

### Flash point

>385°F (196°C)

### 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)

1.0



# SAFETY DATA SHEET

Solubility in water Soluble.  
Partition coefficient Not available.  
(n-octanol/water)  
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.  
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.

## 11. Toxicological information

Information on likely routes of exposure  
Ingestion Expected to be a low ingestion hazard.  
Inhalation Expected to be a low inhalation hazard.  
Skin contact Repeated and/or prolonged skin contact may cause slight irritation.  
Eye contact May cause severe eye irritation.  
Symptoms related to the physical, chemical and toxicological characteristics Dermatitis. Rash. May cause an allergic skin reaction.  
Acute toxicity Not established.

Product Fusion RTU (CAS mixture)		
Exposure Classification	Route and Species	LD <sub>50</sub> /LC <sub>50</sub>
Acute	Oral, rat	26,000 mg/kg (estimated)
Acute	Dermal, rabbit	>9,200 mg/kg (estimated)

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

Skin corrosion/irritation Not classified.  
Serious eye damage/ irritation Causes severe eye irritation.  
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.



# SAFETY DATA SHEET

## 12. Ecological information

Ecotoxicity		
<b>Product</b>	Fusion RTU (CAS mixture)	
<b>Aquatic</b>	<b>Species</b>	<b>Test Thresholds</b>
Crustacea	Daphnia magna	EC <sub>50</sub> (48-hr): 226 mg/L (estimated)
Fish	Fathead minnow	LC <sub>50</sub> (96-hr): 335 mg/L (estimated)
Fish	Rainbow trout	LC <sub>50</sub> (96-hr): 290 mg/L (estimated)
*Estimates for product may be based on additional component data not shown		

<b>Persistence and degradability</b>	Alcohol ethoxylates are considered readily biodegradable.
<b>Bioaccumulative potential</b>	No data available. Components are highly water-soluble and not expected to accumulate in dynamic biological systems
<b>Mobility in soil</b>	Not available. Chemicals of these classes are expected to exhibit moderate to high mobility in saturated and semi-saturated soils
<b>Other adverse effects</b>	Not available.

## 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/international regulations. Do not release to the environment.
<b>Local disposal regulations</b>	Dispose in accordance with all applicable regulations. As packaged, this product is not believed to meet criteria defining RCRA hazardous wastes when disposed. (40 CFR Part 261, Subpart C). Before selecting disposal method, ensure that the waste materials have been properly assessed and, as necessary, tested to confirm regulatory status.
<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).
<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** 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 reporting)** Not listed

