



# MATERIAL SAFETY DATA SHEET

by Tyco Fire Suppression & Building Products

## MET-L-KYL

Product Code: 2021-2-002 ANa

Issue Date: 03-24-2011

### 1. Product and Company Identification

**Material name** MET-L-KYL  
**Version #** 02  
**Revision date** 03-24-2011  
**CAS #** Mixture  
**Product Code** 2021-2-002 ANa  
**Product use** Fire extinguishing agent  
**Manufacturer / Importer / Supplier**  
**Name** Tyco Fire Protection Products  
**Address** One Stanton Street  
Marinette, WI 54143-2542  
**Phone** 715-735-7411  
**Internet** <http://www.ansul.com>  
**Emergency Phone Number** CHEMTREC 800-424-9300 or 703-527-3887

### 2. Hazards Identification

**Emergency overview** CAUTION  
Exposure to powder or dusts may be irritating to eyes, nose and throat.

**OSHA regulatory status** This product is considered not hazardous under 29 CFR 1910.1200 (Hazard Communication).

**Potential health effects**

**Routes of exposure** Eye contact. Skin contact. Inhalation. Ingestion.

**Eyes** Avoid contact with eyes. May cause temporary eye irritation.

**Skin** Avoid contact with the skin.

**Inhalation** Inhalation of dusts may cause respiratory irritation.

**Ingestion** Not a likely route of entry. Do not ingest.

### 3. Composition / Information on Ingredients

Components	CAS #	Percent
SILICA GEL	63231-67-4	20 - 40
Other components below reportable levels		60 - 80

### 4. First Aid Measures

**First aid procedures**

**Eye contact** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists after washing.

**Skin contact** Wash off with warm water and soap. Get medical attention if irritation develops and persists.

**Inhalation** Move to fresh air. Get medical attention, if needed.

**Ingestion** Rinse mouth. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

**Notes to physician** Symptoms may be delayed.

**General advice** If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

### 5. Fire Fighting Measures

**Flammable properties** No unusual fire or explosion hazards noted.

<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	This product is not flammable. Use extinguishing agent suitable for type of surrounding fire.
<b>Protection of firefighters</b>	
<b>Specific hazards arising from the chemical</b>	None known.
<b>Hazardous combustion products</b>	Carbon monoxide and carbon dioxide.

## 6. Accidental Release Measures

<b>Personal precautions</b>	Avoid inhalation of dust from the spilled material. Wear a dust mask if dust is generated above exposure limits.
<b>Environmental precautions</b>	Prevent further leakage or spillage if safe to do so. Do not contaminate water.
<b>Methods for containment</b>	If sweeping of a contaminated area is necessary use a dust suppressant agent which does not react with the product. Prevent entry into waterways, sewer, basements or confined areas.
<b>Methods for cleaning up</b>	Sweep up or vacuum up spillage and collect in suitable container for disposal. Collect dust using a vacuum cleaner equipped with HEPA filter. Avoid dust formation. Following product recovery, flush area with water.
<b>Other information</b>	Clean up in accordance with all applicable regulations.

## 7. Handling and Storage

<b>Handling</b>	Keep formation of airborne dusts to a minimum. Do not breathe dust. Avoid contact with eyes. Do not use in areas without adequate ventilation. Wear personal protective equipment. Wash thoroughly after handling.
<b>Storage</b>	Store in a well-ventilated place. Keep container tightly closed. Guard against dust accumulation of this material. Use care in handling/storage.

## 8. Exposure Controls / Personal Protection

### Occupational exposure limits

#### U.S. - OSHA

Components	Type	Value
SILICA GEL (63231-67-4)	TWA	20.0000 mppcf 0.8000 mg/m <sup>3</sup>

### Personal protective equipment

<b>Eye / face protection</b>	Use tight fitting goggles if dust is generated.
<b>Skin protection</b>	No special protective equipment required.
<b>Respiratory protection</b>	Wear respirator with dust filter.
<b>General hygiene considerations</b>	Do not breathe dust. Avoid contact with eyes. Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical & Chemical Properties

### Appearance

<b>Form</b>	Powder.
<b>Color</b>	Blue.
<b>Odor</b>	Odorless.

### Physical state

Solid.

### pH

Not available.

### Melting point

Not available.

### Freezing point

Not available.

### Boiling point

Not available.

### Flash point

Not available.

### Evaporation rate

Not available.

**Flammability limits in air, upper, % by volume** Not available.

<b>Flammability limits in air, lower, % by volume</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Specific gravity</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility (water)</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>VOC</b>	Not available.

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## 10. Chemical Stability & Reactivity Information

<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Incompatible materials</b>	None known.
<b>Hazardous decomposition products</b>	Carbon oxides.

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## 11. Toxicological Information

<b>Toxicological information</b>	The toxicity of this product has not been tested.
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### Toxicological data

#### Components

#### Test Results

SILICA GEL (63231-67-4)	Acute Oral LD50 Mouse: > 15000 mg/kg Acute Oral LD50 Rat: > 22500 mg/kg
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<b>Local effects</b>	Contact may irritate or burn eyes.
<b>Chronic effects</b>	Hazardous by OSHA criteria. Prolonged inhalation may be harmful.
<b>Carcinogenicity</b>	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

#### IARC Monographs. Overall Evaluation of Carcinogenicity

SILICA GEL (CAS 63231-67-4)	3 Not classifiable as to carcinogenicity to humans.
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## 12. Ecological Information

<b>Ecotoxicity</b>	This material is not expected to be harmful to aquatic life.
<b>Environmental effects</b>	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
<b>Persistence and degradability</b>	Not available.

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## 13. Disposal Considerations

<b>Disposal instructions</b>	This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.
<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations.

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## 14. Transport Information

### DOT

Not regulated as dangerous goods.

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## 15. Regulatory Information

<b>US federal regulations</b>	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.  CERCLA/SARA Hazardous Substances - Not applicable.
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**CERCLA (Superfund) reportable quantity**

None

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**  
 Acute Health - Yes  
 Chronic Health - Yes  
 Fire Hazard - No  
 Pressure Hazard - No  
 Reactivity Hazard - No

**Section 302 extremely hazardous substance** No

**Section 311 hazardous chemical** No

**Inventory status**

<b>Country(s) or region</b>	<b>Inventory name</b>	<b>On inventory (yes/no)*</b>
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

**State regulations** This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

**16. Other Information**

**Further information** HMIS® is a registered trade and service mark of the NPCA.

**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, information and belief at the date of its publication. 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 relates 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 in the text.

**Issue date** 03-24-2011

**This data sheet contains changes from the previous version in section(s):** Product and Company Identification: Product and Company Identification  
 Composition / Information on Ingredients: Ingredients