



# MATERIAL SAFETY DATA SHEET

## Wet Chemical Solution (Fire Extinguishing Agent)

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### 1. PRODUCT AND COMPANY IDENTIFICATION

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**Product Name** Wet Chemical Solution (Fire Extinguishing Agent)  
**Other Trade Names** AC-100, AC-250, Potassium Acetate, Class K  
**Manufacturer/Supplier** Kidde – Residential and Commercial  
A United Technologies Company  
**Address** 1016 Corporate Park Drive  
Mebane, NC 27302  
USA  
**Phone Number** (919) 304-8200  
(919) 563-5911  
**Chemtrec Number** (800) 424-9300  
**(for emergencies only)** (703) 527-3887 (International)  
**Revision Date:** August 7, 2007  
**MSDS Date:** January 15, 2007

*This MSDS has been compiled in accordance with - EC Directive 91/155/EC - OSHA's Hazcom Standard (29 CFR 1910.1200)*

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### 2. COMPOSITION/INFORMATION ON THE COMPONENTS

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Component Name	CAS#/Codes	Concentration	R Phrases	EU Classification
Potassium Acetate	127-08-2 EC#2048222	35-45%	None	None
Water	7732-18-5 EC#2317912	55-65%	None	None

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### 3. HAZARD IDENTIFICATION

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<b>EU Main Hazards</b>
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Non Hazardous Liquid

**Routes of Entry**

- Eye contact - Inhalation - Skin contact

**Carcinogenic Status**

Not considered carcinogenic by NTP, IARC, and OSHA.

**Target Organs**

- Respiratory System - Skin - Eye

**Health Effects - Eyes**

Contact for short periods of time may cause irritation.

**Health Effects - Skin**

Contact may cause mild irritation.

**Health Effects - Ingestion**

Ingestion is not an expected route of exposure.

**Health Effects - Inhalation**

May irritate the respiratory tract. May cause transient cough and shortness of breath.



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#### 4. FIRST AID MEASURES

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**Eyes**

Immediately flood the eye with plenty of water or warm water for at least 15 minutes, holding the eye open. Obtain medical attention if soreness or redness persists.

**Skin**

Wash affected area with soap and water. Obtain medical attention if irritation persists.

**Ingestion**

Dilute by drinking large quantities of water and obtain medical attention.

**Inhalation**

Move victim to fresh air. Obtain medical attention immediately for any breathing difficulty.

**Advice to Physicians**

Treat symptomatically.

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#### 5. FIRE FIGHTING MEASURES

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**Extinguishing Media**

This preparation is used as an extinguishing agent and therefore is not a problem when trying to control a blaze. Use extinguishing agent appropriate to other materials involved. Keep pressurized extinguishers and surroundings cool with water spray as they may rupture or burst in the heat of a fire.

**Unusual Fire and Explosion Hazards**

Pressurized containers may explode in heat of fire.

**Protective Equipment for Fire-Fighting**

Wear full protective clothing and self-contained breathing apparatus as appropriate for specific fire conditions.

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#### 6. ACCIDENTAL RELEASE MEASURES

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Contain and absorb using appropriate inert material. Transfer into suitable containers for disposal. Prevent skin and eye contact. Wear appropriate protective equipment. Prevent the material from entering drains or watercourses.

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#### 7. HANDLING AND STORAGE

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Pressurized extinguishers should be properly stored and secured to prevent falling or being knocked over. Do not drag, slide or roll extinguishers. Do not drop extinguishers or permit them to strike against each other. Never apply flame or localized heat directly to any part of the extinguisher or plastic container. Store pressurized extinguishers and plastic containers away from high heat sources. Storage area should be: - cool - dry - well ventilated - under cover - out of direct sunlight



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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### Occupational Exposure Standards

Occupational exposure limits are listed below, if they exist.

### Potassium Acetate

None

### Engineering Control Measures

Use with adequate ventilation. There should be local procedures for the selection, training, inspection and maintenance of this equipment. When used in large volumes, use local exhaust ventilation.

### Respiratory Protection

Not normally required.

### Hand Protection

Not normally needed when used as a portable fire extinguisher. Use gloves if irritation occurs.

### Eye Protection

Chemical goggles or safety glasses with side shields.

### Body Protection

Normal work wear.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>Physical State</b>	Liquid
<b>Color</b>	Clear or light blue
<b>Odor</b>	Odorless
<b>Specific Gravity</b>	1.19-1.24
<b>Boiling Range/Point (°C/F)</b>	100/212
<b>Flash Point (PMCC) (°C/F)</b>	Not Flammable
<b>Solubility in Water</b>	soluble
<b>Vapor Density (Air = 1)</b>	Not applicable
<b>Vapor Pressure</b>	Not applicable
<b>Evaporation Rate</b>	Not applicable

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## 10. STABILITY AND REACTIVITY

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### Stability

Stable under normal conditions.

### Conditions to Avoid

- Heat - High temperatures - Exposure to direct sunlight

### Materials to Avoid

- Strong oxidizing agents



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### 10. STABILITY AND REACTIVITY

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**Hazardous Polymerization**

Will not occur.

**Hazardous Decomposition Products**

- oxides of carbon - potassium

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### 11. TOXICOLOGICAL INFORMATION

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**Acute Toxicity**

Low order of acute toxicity.

**Chronic Toxicity/Carcinogenicity**

This product is not expected to cause long term adverse health effects.

**Genotoxicity**

This product is not expected to cause any mutagenic effects.

**Reproductive/Developmental Toxicity**

This product is not expected to cause adverse reproductive effects.

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### 12. ECOLOGICAL INFORMATION

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**Mobility**

No relevant studies identified.

**Persistence/Degradability**

No relevant studies identified.

**Bio-accumulation**

No relevant studies identified.

**Ecotoxicity**

No relevant studies identified.

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### 13. DISPOSAL

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Dispose of container in accordance with all applicable local and national regulations. Do not cut, puncture or weld on or near to the container. No harm to the environment is expected from this preparation.

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### 14. TRANSPORT INFORMATION

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<b>DOT CFR 172.101 Data</b>	Not regulated
<b>UN Proper Shipping Name</b>	Not regulated
<b>UN Class</b>	None
<b>UN Number</b>	None
<b>UN Packaging Group</b>	None



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### 15. REGULATORY INFORMATION

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#### EU Label Information

Classification and labelling have been performed according to EU directives 67/548/EEC and 99/45/EC including amendments.

**EU Hazard Symbol and Indication of Danger.**

This preparation is not classified as dangerous.

**R phrases**

None

**S phrases**

None.

#### US REGULATIONS (Federal, State) and INTERNATIONAL CHEMICAL REGISTRATION LAWS

**TSCA Listing**

This product contains ingredients that are listed on or exempt from listing on the EPA Toxic Substance Control Act Chemical Substance Inventory.

**EINECS Listing**

All ingredients in this product are listed on the European Inventory of Existing Commercial Chemical Substances (EINECS) or are exempt from listing.

**DSL/NDSL (Canadian) Listing**

All ingredients in this product are listed on the Domestic Substance List (DSL) or the Non-Domestic Substance List (NDSL) or are exempt from listing.

**WHMIS Classification**

D2B

This product was classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations and the MSDS contains all the information required by these regulations.

**MA Right To Know Law**

All components have been checked for inclusion on the Massachusetts Substance List (MSL). Those components present at or above the de minimus concentration include: none

**PA Right To Know Law**

This product contains the following chemicals found on the Pennsylvania Hazardous Substance List: - none

**NJ Right To Know Law**

This product contains the following chemicals found on the NJ Right To Know Hazardous Substance List: - none

**California Proposition 65**

This product does not contain materials which the State of California has found to cause cancer, birth defects or other reproductive harm.

**SARA Title III Sect. 302 (EHS)**

This product does not contain any chemicals subject to SARA Title III Section 302.

**SARA Title III Sect. 304**

This product does not contain any chemicals subject to SARA Title III Section 304.



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### 15. REGULATORY INFORMATION

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**SARA Title III Sect. 311/312 Categorization**

- Immediate (Acute) Health Hazard

**SARA Title III Sect. 313**

This product does not contain any chemicals that are listed in Section 313 at or above de minimis concentrations.

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### 16. OTHER INFORMATION

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**NFPA Ratings**

NFPA Code for Health - 1

NFPA Code for Flammability - 0

NFPA Code for Reactivity - 0

NFPA Code for Special Hazards - None

**HMIS Ratings**

HMIS Code for Health - 1

HMIS Code for Flammability - 0

HMIS Code for Reactivity - 0

HMIS Code for Personal Protection - See Section 8

**Abbreviations**

N/A: Denotes no applicable information found or available

CAS#: Chemical Abstracts Service Number

ACGIH: American Conference of Governmental Industrial Hygienists

OSHA: Occupational Safety and Health Administration

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit

NTP: National Toxicology Program

IARC: International Agency for Research on Cancer

R: Risk

S: Safety

**Prepared By:** EnviroNet LLC.

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