



Safety Data Sheet

Wet Chemical Dry Charge

Revision Date: 10 July 2019

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:	Wet Chemical Dry Charge (Fire Extinguishing Agent)
Use of Substance/Preparation:	Fire Extinguishing Agent (Consult applicable fire protection codes)
Importer / Supplier:	Fire Protection Technologies
Address:	Unit 1/251 Ferntree Gully Road Mt Waverley, Victoria, 3149 Australia.
Telephone Number:	1300 742 296
Emergency Telephone No.:	24 hours 1300 742 296
Emergency Services:	Dial 000
SDS Preparer:	Fire Protection Technologies

2. HAZARDS IDENTIFICATION

Hazard Classification

This product is classified as not hazardous in accordance with the Globally Harmonized System of Classification and Labelling (GHS)

Label Elements:

Hazard Symbols: None

Signal Word: None

Hazard Statements:

None.

Precautionary statements:

Prevention

None

Response

None

Storage

None

Disposal

None

Other Hazards:

None

Specific Concentration Limits:

The values listed below represent the percentages of ingredients of unknown toxicity:



Acute oral toxicity	0%
Acute dermal toxicity	0%
Acute inhalation toxicity	0%
Acute aquatic toxicity	0%

3. COMPOSITION / INFORMATION ON INGREDIENTS

This product is a substance.

Component	CAS Number	Concentration
Potassium Acetate	127-08-2	~100%

4. FIRST-AID MEASURES

Description of necessary first aid measures:

Eyes:

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

Skin:

Wash skin thoroughly 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.

Most important symptoms/effects, acute and delayed

Aside from the information found under Description of necessary first aid measures (above) and Indication of immediate medical attention and special treatment needed, no additional symptoms and effects are anticipated.

Indication of immediate medical attention and special treatment needed

Notes to Physicians

Treat symptomatically

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

This preparation is used as an extinguishing agent and therefore is not a problem when trying to control a fire. Use extinguishing agent appropriate to other materials involved.

Specific hazards arising from the chemical

None known

Special Protective Actions for Fire Fighters:

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

6. ACCIDENTAL RELEASE MEASURE

Personal precautions, protective equipment and emergency procedures:

Wear appropriate protective clothing. Prevent skin and eye contact.

Environmental precautions:

Prevent large quantities of the material from entering drains or watercourses.

Methods and materials for containment and cleaning up

Sweep up or vacuum and transfer into suitable containers for recovery or disposal.

7. HANDLING AND STORAGE



Precautions for Safe Handling:

Wear appropriate protective clothing. Prevent skin and eye contact.

Conditions for Safe Storage:

Store containers away from high heat sources. Storage area should be: - cool – dry – well ventilated – under cover – out of direct sunlight.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters:

Exposure limits are listed below, if they exist.

Potassium Acetate:

None.

Particulates not otherwise classified / regulated

OSHA PEL: 50 mppcf or 15 mg/m³ TWA, total dust
15 mppcf or 5 mg/m³ TWA, respirable fraction

Appropriate Engineering Controls

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.

Individual Protection Measures

Respiratory Protection

Not normally required. Use a dust mask where dustiness is prevalent, or TLV is exceeded. In oxygen deficient atmospheres, use a self-contained breathing apparatus, as an air purifying respirator will not provide protection.

Skin Protection

Gloves

Eye/Face Protection

Chemical goggles or safety glasses with side shields.

Body Protection

Normal work wear

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Physical State	Solid (powder)
	Colour	White
Odor		Odorless
Odor Threshold		Not applicable
pH		Not applicable
Specific Gravity		1.57
Boiling Range/Point (°C/F)		No data available
Melting Point (°C/F)		292/558
Flash Point (PMCC) (°C/F)		Not flammable
Vapor Pressure		Not applicable
Evaporation Rate (BuAc=1)		Not applicable
Solubility in Water		200g/100g water
Vapor Density (Air = 1)		Not applicable
VOC (g/l)		None
VOC (%)		None
Partition coefficient (n-octanol/water)		No data available
Viscosity		No data available
Auto-ignition Temperature		Not applicable
Decomposition Temperature		No data available
Upper Explosive Limit		Not applicable
Lower Explosive Limit		Not applicable



Flammability (Solid, Gas)

Not flammable

10. STABILITY AND REACTIVITY

Reactivity:

No data available

Chemical Stability:

Stable under normal conditions

Possibility of hazardous reactions:

Hazardous polymerization will not occur

Conditions to Avoid:

Exposure to direct sunlight – contact with incompatible materials

Incompatible Materials:

Strong oxidizing agents

Hazardous Decomposition Products:

Oxides of carbon - potassium

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Potassium Acetate

Oral LD50 (Rat) 3250 mg/kg

Dermal LD50 (Rabbit) >20,000 mg/kg (analogous compound)

Inhalation LC50(rat) >5.6 mg/l (analogous compound)

Specific Target Organ Toxicity (STOT) – Single Exposure

Potassium Acetate

No data available

Specific Target Organ Toxicity (STOT) – Repeat Exposure

Potassium Acetate

No data available

Serious Eye Damage / Irritation, Skin Corrosion / Irritation

Potassium Acetate

Not irritating (rabbit)

Respiratory or Skin Sensitisation

Potassium Acetate

Available data indicates this component is not expected to cause skin sensitization. No data available for respiratory sensitisation

Carcinogenicity

Not considered carcinogenic by NTP, IARC and OSHA

Germ Cell Mutagenicity

Potassium Acetate

Available data indicates this component is not expected to be mutagenic

Reproductive Toxicity

Potassium Acetate

Available data indicates this component is not expected to cause reproductive toxicity or birth defects

Aspiration Hazard

Not an aspiration hazard

12. ECOLOGICAL INFORMATION

Ecotoxicity

Potassium Acetate

LC50 Zebrafish 1497 mg/l 96h

EC50 Daphnia magna 420 mg/l 48h

EC50Mann diatom 500 mg/l 72hr

No relevant studies identified for Mobility in Soil, Persistence/Degradability, Bioaccumulative Potential, Other adverse effects.



13. DISPOSAL CONSIDERATION

Disposal Methods

Dispose of container in accordance with all applicable local and national regulations.

14. TRANSPORT INFORMATION

Special Precautions for Shipping

Individuals must be certified as Hazardous Material Shipper for all transportation modes.

PLEASE NOTE: THIS IS A NON-PRESSURISED PRODUCT WHEN SOLD BY THE MANUFACTURER, AND AS SUCH, IS NOT REGULATED FOR SHIPMENT PER US DOT CFR 172.101

DOT CFR 172.101 Data	Not Regulated
UN Proper Shipping Name	Not Regulated
UN Class	None
UN Number	None
UN Packaging Group	None
Classification for AIR Transportation (IATA)	Consult current IATA Regulations prior to shipping by air
Classification for Water Transport (IMDG)	Consult current IMDG Regulations prior to shipping by water

15. REGULATORY INFORMATION

United States TSCA Inventory:

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

Canada DSL Inventory:

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.

SARA Title III Sect. 311/312 Categorisation:

None

SARA Title III Sect. 313

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

16. OTHER INFORMATION

NFPA Ratings

NFPA Code for Health – 1

NFPA Code for Flammability – 0

NFPA Code for Reactivity – 0

NFPA Code for Special Hazards - None