



# Safety Data Sheet

according to WHS Regulations

Printing date 08.11.2018

Revision: 08.11.2018

## 1 Identification

**Product Name:** FIRE X RECT**Other Means of Identification:** Mixture**Recommended Use of the Chemical and Restriction on Use:** Fire extinguisher.**Details of Manufacturer or Importer:**

Firetech Global Pty Ltd  
Australia Business Number (ABN) 34629218097  
Suite 510  
377 Kent Street  
Sydney NSW Australia 2000

**Phone Number:** +2 8324 1376**Emergency telephone number:** +61 405 105 074

## 2 Hazard(s) Identification

**Hazardous Nature:**

Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

The product is not classified, according to the Globally Harmonised System (GHS).

**Signal Word** None**Hazard Statements** None**Precautionary Statements** None

## 3 Composition and Information on Ingredients

**Chemical Characterization: Mixtures****Description:** Mixture of substances listed below with nonhazardous additions.**Hazardous Components:**

CAS: 7429-90-5	Aluminium powder (stabilised) ⚠ Flammable Solids 1, H228; Water-react. 2, H261	0.7%
CAS: 7757-79-1	Nitric acid, potassium salt ⚠ Oxidising Solids 2, H272	0.7%
CAS: 7704-34-9	Sulphur ⚠ Skin Corrosion/Irritation 2, H315	0.6%

## 4 First Aid Measures

**Inhalation:** If inhaled, remove to fresh air. Seek medical attention if breathing problems develop.**Skin Contact:**

In case of skin contact, remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

**Eye Contact:**

In case of eye contact, hold eyelids open and rinse with water for at least 15 minutes. Seek medical attention if symptoms occur.

(Contd. on page 2)

# Safety Data Sheet

## according to WHS Regulations

Printing date 08.11.2018

Revision: 08.11.2018

**Product Name: FIRE X RECT**

(Contd. of page 1)

**Ingestion:**

If swallowed, do not induce vomiting. Immediately rinse mouth with water. Give a glass of water. Never give anything by mouth to an unconscious person. Seek medical attention.

**Symptoms Caused by Exposure:** No adverse health effects expected.

### 5 Fire Fighting Measures

**Suitable Extinguishing Media:** Use fire extinguishing methods suitable to surrounding conditions.

**Specific Hazards Arising from the Chemical:**

No hazardous decomposition products known.

This product is a fire extinguishing agent.

Containers close to fire should be removed only if safe to do so.

**Special Protective Equipment and Precautions for Fire Fighters:**

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

### 6 Accidental Release Measures

**Personal Precautions, Protective Equipment and Emergency Procedures:**

Wear approved dust/particulate filter respirator and full protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe dust. Ensure adequate ventilation. Avoid generating dust.

**Environmental Precautions:**

In the event of a major spill, prevent spillage from entering drains or water courses.

**Methods and Materials for Containment and Cleaning Up:**

Pick up unbroken product and clean up the broken pieces and dust with a vacuum or by a wet sweeping technique.

### 7 Handling and Storage

**Precautions for Safe Handling:**

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of dust. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

**Conditions for Safe Storage:**

Store in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Protect from direct sunlight.

### 8 Exposure Controls and Personal Protection

**Exposure Standards:**

**CAS: 7429-90-5 Aluminium powder (stabilised)**

WES TWA: 10\* 5\*\* mg/m<sup>3</sup>

\*metal dust; \*\*welding, pyro powders

**Engineering Controls:**

Maintain air concentration below occupational exposure standards, providing adequate ventilation.

**Respiratory Protection:**

Respiratory protection is not required under normal use conditions.

Where an inhalation risk exists, wear a Class P1 (particulate) respirator. See Australian/New Zealand Standards AS/NZS 1715 and 1716 for more information.

(Contd. on page 3)

# Safety Data Sheet

## according to WHS Regulations

Printing date 08.11.2018

Revision: 08.11.2018

**Product Name: FIRE X RECT**

(Contd. of page 2)

**Skin Protection:**

Skin protection is not required under normal use conditions.

General protective gloves are recommended. See Australian/New Zealand Standard AS/NZS 2161 for more information.

When selecting hand protection, the product should comply with relevant performance criteria. For example, gloves should meet a suitable level of abrasion resistance to provide protection against hazards of a workplace.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

**Eye and Face Protection:**

Eye and face protectors for protection against dust. See Australian/New Zealand Standard AS/NZS 1337 for more information.

### 9 Physical and Chemical Properties

**Appearance:**

<b>Form:</b>	Solid
<b>Colour:</b>	No information available
<b>Odour:</b>	Odourless

**Odour Threshold:** No information available

**pH-Value:** No information available

**Melting point/freezing point:** No information available

**Initial Boiling Point/Boiling Range:** No information available

**Flash Point:** Not applicable

**Flammability:** Product is not flammable.

**Auto-ignition Temperature:** Not applicable

**Decomposition Temperature:** No information available

**Explosion Limits:**

**Lower:** Not applicable

**Upper:** Not applicable

**Vapour Pressure:** No information available

**Density:** No information available

**Vapour Density:** No information available

**Evaporation Rate:** No information available

**Solubility in Water:** No information available

**Partition Coefficient (n-octanol/water):** No information available

**Viscosity:** No information available

### 10 Stability and Reactivity

**Possibility of Hazardous Reactions:** Hazardous polymerisation will not occur.

**Chemical Stability:** Stable at ambient temperature and under normal conditions of use.

**Conditions to Avoid:** Direct sunlight.

**Incompatible Materials:** No further relevant information available.

**Hazardous Decomposition Products:** No hazardous decomposition products known.

(Contd. on page 4)

# Safety Data Sheet

according to WHS Regulations

Printing date 08.11.2018

Revision: 08.11.2018

Product Name: FIRE X RECT

(Contd. of page 3)

## 11 Toxicological Information

**Toxicity:**

<b>LD<sub>50</sub>/LC<sub>50</sub> Values Relevant for Classification:</b>		
<b>CAS: 9002-88-4 Polyethylene low density</b>		
Oral	LD <sub>50</sub>	>3,000 mg/kg (rat)
<b>CAS: 7757-79-1 Nitric acid, potassium salt</b>		
Oral	LD <sub>50</sub>	3,750 mg/kg (rat)
Dermal	LD <sub>50</sub>	>5,000 mg/kg (rat)
<b>CAS: 7704-34-9 Sulphur</b>		
Oral	LD <sub>50</sub>	>2,000 mg/kg (rat)
Dermal	LD <sub>50</sub>	>2,000 mg/kg (rat)
Inhalation	LC <sub>50</sub>	5.43 mg/l (rat)

**Acute Health Effects****Inhalation:** No adverse health effects expected.**Skin:** No adverse health effects expected.**Eye:** No adverse health effects expected.**Ingestion:** No adverse health effects expected.**Skin Corrosion / Irritation:** Based on classification principles, the classification criteria are not met.**Serious Eye Damage / Irritation:** Based on classification principles, the classification criteria are not met.**Respiratory or Skin Sensitisation:** Based on classification principles, the classification criteria are not met.**Germ Cell Mutagenicity:** Based on classification principles, the classification criteria are not met.**Carcinogenicity:**

Polyethylene is classified by IARC as Group 3 - Not classifiable as to its carcinogenicity to humans.

**Reproductive Toxicity:** Based on classification principles, the classification criteria are not met.**Specific Target Organ Toxicity (STOT) - Single Exposure:**

Based on classification principles, the classification criteria are not met.

**Specific Target Organ Toxicity (STOT) - Repeated Exposure:**

Based on classification principles, the classification criteria are not met.

**Aspiration Hazard:** Based on classification principles, the classification criteria are not met.**Chronic Health Effects:** No information available**Existing Conditions Aggravated by Exposure:** No information available**Additional toxicological information:** No information available

## 12 Ecological Information

**Ecotoxicity:**

<b>Aquatic toxicity:</b>	
<b>CAS: 7757-79-1 Nitric acid, potassium salt</b>	
EC <sub>50</sub> /48 h	490 mg/l (daphnia)
LC <sub>50</sub> /96 h	1,378 mg/l (guppy)

**Persistence and Degradability:** This product is not biodegradable.

(Contd. on page 5)

# Safety Data Sheet

## according to WHS Regulations

Printing date 08.11.2018

Revision: 08.11.2018

**Product Name: FIRE X RECT**

(Contd. of page 4)

**Bioaccumulative Potential:** No further relevant information available.**Mobility in Soil:** No further relevant information available.**Other adverse effects:** No further relevant information available.

### 13 Disposal Considerations

**Disposal Methods and Containers:** Dispose according to applicable local and state government regulations.**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

### 14 Transport Information

**UN Number** Not regulated**Proper Shipping Name** Not regulated**Dangerous Goods Class** Not regulated**Packing Group:** Not regulated

### 15 Regulatory Information

**Australian Inventory of Chemical Substances:**

CAS: 10361-65-6	Triammonium orthophosphate
CAS: 9002-88-4	Polyethylene low density
CAS: 7429-90-5	Aluminium powder (stabilised)
CAS: 7757-79-1	Nitric acid, potassium salt
CAS: 7704-34-9	Sulphur

**Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:**

Not Scheduled.

### 16 Other Information

**Date of Preparation or Last Revision:** 08.11.2018**Prepared by:** MSDS.COM.AU Pty Ltd[www.msds.com.au](http://www.msds.com.au)**Abbreviations and acronyms:**

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC<sub>50</sub>: Lethal concentration, 50 percentLD<sub>50</sub>: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Flammable Solids 1: Flammable solids – Category 1

Water-react. 2: Substances and mixtures, which in contact with water, emit flammable gases. Hazard Category 2

Oxidising Solids 2: Oxidising solids, Hazard Category 2

Skin Corrosion/Irritation 2: Skin corrosion/irritation – Category 2

**Disclaimer**

This SDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - February 2016"

The information contained in this safety data sheet is provided in good faith and is believed to be accurate at the date of issuance. Firetech Global Pty Ltd makes no representation of the accuracy or comprehensiveness of the information and to the full extent allowed by law excludes all liability for any loss or damage related to the supply or use of the information in this material safety data sheet. MSDS.COM.AU Pty Ltd is not in a position to warrant the accuracy of the data herein. The user is cautioned to make their own determinations as

(Contd. on page 6)

**Safety Data Sheet**  
according to WHS Regulations

Printing date 08.11.2018

Revision: 08.11.2018

**Product Name: FIRE X RECT**

(Contd. of page 5)  
to the suitability of the information provided to the particular circumstances in which the product is used.