



Material Safety Data Sheet

FKO Fire Knock Out

KOM4T 1.6 and 5.6 FOAM

Section 1- Product and Company identification

Sample Name	:	FKO Fire Knock Out KOM4T 1.6 and 5.6 FOAM
Synonyms	:	
Molecular formula	:	
Company Identification	:	FKO facilities BV
		Postbus 362
		4200AJ GORINCHEM (the Netherlands)
		info@fireknockout.com

Section 2- Composition, Information on Ingredients

<u>Container, Cap and other separate parts</u>		
Material	:	Polyethylene (PE)
Recyclability	:	100%
<u>Extinguishing fluid part</u>		
Cont. FKO KOM4T 1.6 model	:	1,350 cc(w.t. pc.)
Cont. FKO KOM4T 5.6 model	:	5,350 cc(w.t. pc.)
Dihedral alcohol	:	28.30 ±0.50
Betaine (amphoteric surfactants)	:	0.91 ±0.05
Vegetable polysaccharide	:	0.04 ±0.03
Flouorcarbonat surfactant	:	0.17 ±0.02
Distilled water	:	70.50 pc ±1.50
<u>activating powder part</u>		
Cont. FKO KOM4T 1.6 model	:	1.4 grams
Cont. FKO KOM4T 5.6 model	:	5.4 grams
Magnesium perchlorate	:	59 pc
Aluminium	:	23 pc
Sulphur	:	13 pc
Saw-dust	:	5 pc
<u>Quick activation fuse part</u>		
Cotton with dextrin and activating powder part, protected by a red and water-resistant cover of paper and plastic.		

Section 3- Risk identification

Fatalness sort	:	n/f
Potential Health Effects	:	Skin- and Eye contact, Inhalation and Ingestion
Health Hazard	:	Toxic short and long none known
Environment harm	:	Possible occurrence of punctual concentration of phosphates
Explosion hazard	:	n/f

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Section 4- **First-aid measures**

<u>Effects and symptoms</u>	
Inhalation	: Vapors may cause mildly irritation to the nose, throat, and respiratory tract and are non-toxic if inhaled.
Indigestion	: Belong to non-toxic grade. Bitter taste. Low –toxic if ingested in a large quantity (but no data available)
Skin contact	: None or mildly irritating to the skin
Eye contact	: Causes eye irritation due to ethylene glycol or propylene glycol content.
<u>First-aid measures</u>	
Inhalation	: Remove victim to fresh air and provide oxygen if breathing is difficult. Get medical attention.
Indigestion	: Give one or two glasses of water and induce vomiting. Get medical attention.
Skin contact	: Clean with water and soap.
Eye contact	: Immediately flush eyes with plenty of water for at least 10 minutes while holding lids open. Get medical attention.

Section 5- **Fire fighting measures**

<u>In general</u>	
Fatalness character	: No information available
Hazard burning product	: Carbon monoxide, carbon dioxide, sulphur dioxide
<u>Extinguishing media</u>	
Small fire	: H2O and N2
Large fire	: H2O and N2
Flammability	: Not flam unable
Unusual explosion	: None
Hazardous thermal decomposition products	: None Known
Protection	: Personal protect for fireman, fill in exposure suit to be selected. Such as exposure suit for flesh and fell, fireproofing and gas defense suit, fire fighting shoes press-self supply respirator

Section 6- **Accidental release measures**

Small spill and leak	: Clean area with water.
Large spill and leak	: Leakage please not be contacted with organic matter, reduce agent and tinder. Insulate leaking pollution field, limit in and out, and cut of fire fountainhead. Suggest the emergency personnel to wear self-absorption filter respirators and the general uniform. Avoid direct contact with the spill.

Section 7- **Handling and Storage**

No Smoking during transport, Handling or Storage. Never walk over burnt areas with fuse hanging down. Handling personnel must be trained. Keep away from heat sources. Storage in cool, dry place; low to 10-40dgrs.

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Section 8- Exposure controls/personal protection

Engineering controls	:	Confined production process, enhance ventilation. Provide safe shower and eye-wash equipment.
Respiratory	:	Airborne dust concentration exceeds proposed self absorption-filter respirators. If necessary wear air respirators.
Skin and body	:	Working clothes.
Eyes	:	Use safety glasses when there is risk for splash of liquid.
Hands	:	Use of rubber hand gloves.

Section 9- Physical and chemical properties

Physical state	:	Liquid
Color	:	Clear orange/brown-grey colored liquid.
pH	:	7
Odor	:	Mild beet odor
Melting point	:	n/f
Flash point	:	None to boiling
Density	:	1.34 g/cm ³
Solubility	:	100 %
Bulk density	:	NOT FOUND

Section 10- Stability and reactivity

Stability	:	Stable
Conditions to avoid	:	None known
Materials to avoid	:	Reactive materials. Electrically energized equipment. Any materials reactive with water.
Hazardous decomposition products	:	None known

Section 11- Toxicological information

Lethal dose 50 oral (rat)	:	5.000 mg/kg
Lethal dose 50 dermatologic	:	>2.000 mg/kg
Irritation eyes (rabbit)	:	Light irritations
Irritation dermatologic	:	Light irritations
Toxic short and long term	:	None known, composition often used in fertilizer
Gene toxicity	:	None
Metabolism by animals	:	Good
Metabolism by plants	:	Good
Metabolism by bottom	:	Good

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Section 12- **Ecological information**

Ecological toxicity	:	Not found
Ecological degradation	:	Not found
A biology	:	Not found
Hydrolyse/photolysis	:	No influences
Demolition on ground	:	No influences
Risk of ground water pollution	:	Possible occurrence of punctual concentration of phosphates.

Section 13- **Disposal considerations**

Nature	:	n/f
Disposal	:	Disposal of the waste in accordance with all applicable Federal, state and local law.
Note	:	n/f

Section 14- **Transport information**

<u>Transport information</u>		
Main danger	:	Miscellaneous danger
IATA comp. class, groups & no	:	Class9, miscellaneous Dangerous Substances and articles UN3072 Life-saving appliances, not self-inflating
Packaging requirements	:	Packing group III
Verification of packaging	:	Based upon a review of the worksheets and te Technical Construcion File, the apparatus are deemed to meet the requirements of the standards and hence the requirements of: Packaging and Packaging Waste Directive 94/62/EC

Section 15- **Regulatory information**

	:	Chemical safety management of dangerous goods ordinance (Feb. 17, 1987 the State council issued). Dangerous chemicals safety management of the implementation details (of the fat [1992] 677), Regulations of safely use chemicals workplace ([1996] 423 issued by the department of labor) and other regulations, against hazardous chemicals, the safety of the use, production, storage, transport, handling, etc. are also made corresponding provisions.
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Section 16- **Additional Information**

Issue time:	:	
Issue department	:	
Data	:	
Modification	:	