

1. PRODUCT AND COMPANY IDENTIFICATION

1.1. Product Information

Product Name : Flame Killer

1.2. Use / Application Area

Industrial use : Suppression of hood fires

1.3. Distributor:

COMPANY NAME : Hoodsafer Yangın Söndürme Sistemleri SAN.veTİC.A.Ş

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2. COMPOSITION / INFORMATION ON INGREDIENTS

2.1. Contained Materials

Component Name	CAS# / Codes	Concentration	R Phrases	EU Classification
Potassium Carbonate	548-08-7 EC#2095293	>40%	R36/37/38	Xn
Water	7732-18-5 EC#2317912	<60%	None	None

3. HAZARDS IDENTIFICATION

Hazard Classification and Labeling

December 11, 2013 28 848 possible, place and date. No. Classification of Hazardous Substances and Preparations, and the EU Directive on Packaging and Labelling Regulations EC 1272/2008 (CLP) within the framework of classified and labeled as follows.

C l t Wear / irritation evil - Category 2: H315

C d G essence Damage / G essence of evil irritation - Category 2: H319

Specific Target Organ Toxicity (single exposure) - Category 3: H335



Caution

H315 : Cause skin irritation.

H319 : Causes serious eye irritation.

H335 : May cause respiratory tract irritation.

P264 : Wash your hands thoroughly with water after handling.

P280 : Wear protective gloves / protective clothing / eye protection / face protection.

P302 + P352: UPON CONTACT WITH SKIN IS: Wash with plenty of soap and water.

P304 + P340: Inhalation: Remove injured person to fresh air and easily Keep in a position comfortable for breathing.

P305 + P351 + P338 : EYE CONTACT: Rinse carefully with water a few minutes. If the handle attached, and do, remove contact lenses. Continue rinsing.

P501 : Content / container "Regulation on General Principles of Waste Management" Dispose of in accordance with.

13 December 2014 and 29204 resident individual. No. Dangerous Substances and Preparations

Classification, Packaging and Labelling Regulations and EU Directives 67/548 / EEC (DSD) or 1999/45 / EC (DPD) in the frame and classified as follows:

labeled.

Irritant: R36/37/38

4. FIRST AID MEASURES

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 persists.

Skin

Wash effected 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.

5. FIRE FIGHTING MEASURES

Extinguishing media

This preparation 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 all pressurized containers and jugs 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.

6. ACCIDENTAL RELEASE MEASURES

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 and watercourses.

7. HANDLING AND STORAGE

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Standards

Occupational exposure limits are listed below , if they exist.

Potassium Carbonate

None established.

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

Use rubber gloves when handling the preparation.

Eye Protection

Chemical goggles or safety glasses with side protection.

Body Protection

Normal work wear

9. PHYSICAL AND AND CHEMICAL PROPERTIES

Physical State	Liquid
Color	Clear
Odor	Odorless
pH	>11
Specific Gravity	~1.4
Boiling Range / Point	108.9 C
Flash Point	Not flammable
Solubility in water	Soluble
Vapor Density	Not applicable
Vapor Pressure	Not applicable
Evaporation Rate	Not applicable

10. STABILITY AND REACTIVITY

Stability

Stable under normal conditions.

Conditions to Avoid

Heat – High temperature – Exposure to direct sunlight.

Materials to Avoid

Acids – ammonium compounds – metals

Hazardous Polymerization

Will not occur

Hazardous Decomposition Products

Oxides of carbon

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Low order of acute toxicity

Potassium Carbonate : Oral LD50(rat) : 1870 mg/kg

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.

12. ECOLOGICAL INFORMATION

Mobility

No relevant studies identified

Persistence / Degradability

No relevant studies identified

Bio-accumulation

No relevant studies identified

Ecotoxicity

No relevant studies identified

13. DISPOSAL

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

14. TRANSPORT INFORMATION

This product is not classified as hazardous in none of applicable regulations.

15. REGULATORY INFORMATION

This MSDS is prepared according to “ T.C. Ministry of Environment and Forestry , R.G. About Safety Data Sheets Relating to Hazardous Substances and Mixtures”

Regulation No: 29204. Rev Date : 13-12-2014

16. OTHER INFORMATION

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