

BADGER FIRE PROTECTION INC -- RANGE GUARD KARBOLOY FIRE EXTINGUISHER SUPPRESSION AGENT -- 4210-01-179-6413

===== Product Identification =====

Product ID:RANGE GUARD KARBOLOY FIRE EXTINGUISHER SUPPRESSION AGENT

MSDS Date:04/01/1996

FSC:4210

NIIN:01-179-6413

Status Code:A

MSDS Number: CJHGW

=== Responsible Party ===

Company Name:BADGER FIRE PROTECTION INC

Address:4251 SEMINOLE TRAIL

City:CHARLOTTES

VILLE

State:VA

ZIP:22911

Country:US

Info Phone Num:804-973-4361

Emergency Phone Num:804-973-4361

CAGE:6L214

=== Contractor Identification ===

Company Name:AUTOMATIC SPRINKLER CORP OF AMERICA DIV OF FIGGIE

Address:1000 E. EDGERTON RD

Box:418012

City:CLEVELAND

State:OH

ZIP:44141-8012

Country:US

Phone:216-526-8980/800-424-9300(CHEMTREC)

CAGE:04826

Company Name:BADGER FIRE PROTECTION INC

Address:4261 SEMINOLE TRAIL

Box:City:CHARLOTTESVILLE

State:VA

ZIP:22901

Country:US

Phone:804-973-4361

CAGE:6L214

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Composition/Information on Ingredients
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Ingred Name:AQUEOUS SOLUTION OF POTASSIUM CARBONATE >40%
CAS:584-08-7
Code:F
RTECS #:TS7750000
> Wt:40.

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Hazards Identification
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LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:MAY BE IRRITATING TO BODY TISSUE.
CHRONIC: THE EFFETC OF CHRONIC OVER-EXPOSURE MAY CONSIST OF
MULTIPLE AREA
S OF SUPERFICIAL IRRITATION. PROLONGED CONTACT MAY
RESULT IN PRIMARY IRRITANT DERMATITIS AND POSSIBLE DESTRUCTION OF
TISSUE. SIMILARLY, CHRONIC OVER-EXPOSURE TO THE INHALATION OF DUST,
SPRAY OR MIST MAY RESULT IN VARYING DEGREES OF IRRITATION TO THE
RESPIRATORY TRACT TISSUE AND AN INCREASED S USCEPTIBILITY TO
RESPIRATORY ILLNESS.
Explanation of Carcinogenicity:NONE SPECIFIED BY MANUFACTURER.
Effects of Overexposure:PROLONGED CONTACT MAY BE IRRITATING TO SKIN,
EYES AND MU
COUS MEMBRANE.
Medical Cond Aggravated by Exposure:PROLONGED CONTACT MAY CAUSE
CHEMICAL BURNS.

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First Aid Measures
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First Aid:IF EXPOSED TO THE FIRE SUPPRESSION AGENT, FLUSH & IRRIGATE
EYES WITH WATER FOR 15 MINUTES WHILE HOLDINGEYELIDS OPEN. FOR SKIN
CONTACT, WASH THOROUGHLY WITH SOAP & WATER. FOR INHALATION SEEK
FRESH AIR. FOR INGESTION, DILUTE BY DRINKING LARGE QUANTITIES OF
WATER. IF IRRITATION PERSISTS, SEEK MEDICAL ATTEN
TION. IN THE EVENT
OF PHYSICAL INJURY, DUE TO EXPOSURE TO THE COMPRESSED GAS HAZARD,
TAKE APPROP RIATE FIRTS AID OR MEDICAL MEASURES.

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Fire Fighting Measures
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Extinguishing Media:N/A THIS IS A FIRE EXTINGUISHING AGENT.
Fire Fighting Procedures:AVOID DIRECT HEAT AND SEVERE IMPACT TO
PRESSURIZED CYLINDERS.
Unusual Fire/Explosion Hazard:ACTS AS A FIRE SUPPRESSION AGENT.

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Accidental Release Measures
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Sp

ill Release Procedures:CONTAIN ANY SPILL. PLACE IN CLOSED CONTAINER FOR PROPER DISPOSAL. WASH SPILL AREAS LIBERALLY WITH WATER TO REMOVE TRACES.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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===== Handling and Storage =====

Handling and Storage Precautions:HANDLE, TRANSPORT AND STORE CAREFULLY AND SECURELY TO AVOID ACCIDENTAL KNOCKING OVER OR OTHER SEVERE PHYSICAL IMPACTS. DO NOT EXPOSE TO DIRECT HEAT SOURCES. DO NOT OVER-PRESSURIZE.

Other Precautions:CYLINDERS SHOULD BE RECHARGED ONLY BY TRAINED AND QUALIFIED PERSONNEL.

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===== Exposure Controls/Personal Protection =====

Respiratory Protection:FOR ACUTE EXPOSURE, NO RESPIRATORY PROTECTION IS NECESSARY. FOR CHRONIC EXPOSURE TO SPRAY OR MIST USE OF NIOSH/MSHA APPROVED RESPIRATOR IS RECOMMENDED.

Ventilation:GOOD VENTILATION. LOCAL ESHAUST: YES. MECHANICAL (GENERAL): NOT REQUIRED. SPECIAL AND OTHER: NONE.

Protective Gloves:RUBBER GLOVES RECOMMENDED DURING SPILL/LEAK & RECHARGING OPERATIONS.

Eye Protection:CHEMICAL GOGGLES DURING SPILL/LEAK PROCEDURES & RECHARGING OPERATIONS.

Other Protective Equipment:SAFETY SHOES ARE RECOMMENDED WHEN HANDLING CYLINDERS.

Work Hygienic Practices:NONE ESTABLISHED.

Supplemental Safety and Health
NONE SPECIFIED BY MANUFACTURER.

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===== Physical/Chemical Properties =====

HCC:N1

Boiling Pt:=-228.C, 442.4F

Melt/Freeze Pt:=-28.9C, -20.F

Vapor Pres:12@20C

Spec Gravity:1.

445 (H2O=1)

Solubility in Water:100%

Appearance and Odor:CLEAR LIQUID, NO DISTINCT ODOR.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

LIME DUST (CAO) AND ANY MATERIAL REACTIVE WITH WATER.

Stability Condition to Avoid:DIRECT HEAT AND SEVERE IMPACT TO
PRESSURIZED CYLINDERS.

Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.

===== Toxicological Information =====

Toxicological Informa

tion:NONE SPECIFIED BY MANUFACTURER.

===== Ecological Information =====

Ecological:NONE SPECIFIED BY MANUFACTURER.

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND
FEDERAL REGULATIONS.

===== MSDS Transport Information =====

Transport Information:NONE SPECIFIED BY MANUFACTURER.

===== Regulatory Information =====
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SARA Title III Information:NONE SPECIFIED BY MANUFACTURER.

Federal Regulatory Information:NONE SPECIFIED BY MANUFACTURER.

State Regulatory Information:NONE SPECIFIED BY MANUFACTURER.

===== Other Information =====

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