

MINE SAFETY APPLIANCE -- 85984 CANDLE, OXYGEN, LARGE, TYPE B, ROUND (W/85116 MATCH)
-- 4460-00-875-4568

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

Product ID:85984 CANDLE, OXYGEN, LARGE, TYPE B, ROUND (W/85116 MATCH)

MSDS Date:06/01/1987

FSC:4460

NIIN:00-875-4568

Status Code:A

MSDS Number: CJVNW

=== Responsible Party ===

Company Name:MINE SAFETY APPLIANCE

Box:426

City:PITTSBURGH

State:PA

ZIP:15230

Countr

y:US

Info Phone Num:412-967-3000

Emergency Phone Num:412-967-3000

Chemtre Ind/Phone:(800)424-9300

CAGE:40912

=== Contractor Identification ===

Company Name:MINE SAFETY APPLIANCE (REPLACED BY CAGE 55799)

Address:201 N BRADDOCK AVENUE

Box:426

City:PITTSBURGH

State:PA

ZIP:15230

Country:US

Phone:412-967-3000

CAGE:40912

Company Name:MINE SAFETY APPLIANCES CO

Address:RD 2 EVANS CITY PLANT

Box:City:EVANS CITY

State:PA

ZIP:16033-1291

Country:US

Phone:412-538-3510

CAGE:6G259

Company Name:MINE SAFETY AP

PLIANCES CO DBA MSA
Address:3880 MEADOWBROOK RD
Box:City:MURRYSVILLE
State:PA
ZIP:15668-1753
Country:US
Phone:724-733-9272
Contract Num:SP0760-99-D-7866
CAGE:55799

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===== Composition/Information on Ingredients =====

Ingred Name:SODIUM CHLORATE
CAS:7775-09-9
RTECS #:FO0525000
Minumum % Wt:90.
Maxumum % Wt:95.
Other REC Limits:NONE RECOMMENDED

Ingred Name:BARIUM PEROXIDE
CAS:1304-29-6
RTECS #:CR0175000
Minumum % Wt:1.
Maxumum % Wt:5.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:5
MG BA/M3
ACGIH TLV:2 MG BA/M3

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===== Hazards Identification =====

Routes of Entry: Inhalation:NO Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:TARGET ORGANS: INGESTION, BLOOD,
KIDNEYS. TOXIC. PROBABLE HUMAN LETHAL ORAL DOSE 50-500 MG/KG,
BETWEEN 1 TEASPOON AND 1 OUNCE FOR 70 KG (150 POUND) PERSON.
INHALATION: MUCOUS MEMBRANE IRRITATION. SK IN: IRRITATION IF
CONTACT IS PROLONGED, A
S WITH UNREMOVED DUST.
Explanation of Carcinogenicity:THERE ARE NO INGREDIENTS ABOVE 0.1%
WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP, IARC OR OSHA.
Effects of Overexposure:NAUSEA, VOMITING, ABDOMINAL PAIN, BLUENESS,
DIARRHEA, DIFFICULT BREATHING.
Medical Cond Aggravated by Exposure:NO INFORMATION

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===== First Aid Measures =====

First Aid:SKIN: FLUSH EXPOSED AREA WITH WATER. GET PROMPT MEDICAL
ATTENTION IF IRRITATION OCCURS. WASH CLOTHING BEFORE

REUSE. EYE

CONTACT: FLUSH EYES WITH WATER FOR 15 MINUTES. GET IMMEDIATE MEDICAL ATTENTION IF IRRITATION OCCURS. INGESTION: DO NOT INDUCE VOMITING. IF VICTIM IS CONSCIOUS, GIVE LARGE QUANTITIES OF WATER. GET IMMEDIATE MEDICAL ATTENTION.

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Fire Fighting Measures
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Flash Point:NOT FLAMMABLE

Extinguishing Media:AS APPROPRIATE FOR MATERIALS IN SURROUNDING FIRE.

Fire Fighting Procedures:AVOID BODILY CONTACT WITH NA₂CO₃. USE STANDARD FI

RE FIGHTING EQUIPMENT INCLUDING SELF-CONTAINED BREATHING APPARATUS, IMPERVIOUS COVERING AND BOOTS.

Unusual Fire/Explosion Hazard:CONTAINERS MAY RUPTURE IN FIRE. OXYGEN MAY BE LIBERATED & INCREASE INTENSITY OF FIRE. COOL EXPOSED CONTAINERS W/ WATER. CONTINUE COOLING AFTER FIRE IS EXTINGUISHED. COMBUSTIBILITY OF ABSORBENT MATLS I MPREGNATED WITH NA₂CO₃ BY CONTACT WITH RUN-OFF WATER STRONGLY ENHANCED. WHEN DRY, MAT'LS MAY IGNITE BY FRICTION OR HEAT.

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Accidental Release Measures
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Spill Release Procedures:A SMASHED CANDLE SHOULD BE CLEANED UP ON A DRY BASIS. WEAR A NIOSH APPROVED DUST RESPIRATOR AND IMPERVIOUS GLOVES. AVOID DUSTING CONDITIONS. PLACE PIECES AND SWEEPINGS IN A MARKED DISPOSAL CONTAINER. CONCRETE OR METAL FLOORS CAN THEN BE FLUSHED WITH WATER. DO NOT WET WOOD FLOORS. AFTER CLEAN UP, WASH EXPOSED BODY SURFACES WITH SOAP AND WATER. LAUNDRER CLOTHING BEFORE REUSE.

Neutralizing Agent:NOT APPLICABLE

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Handling and Storage
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Handling and Storage Precautions:STORE CONTAINERS IN A COOL, DRY AREA RESISTANT TO FIRES. STORE SEPARATE FROM INCOMPATIBLE MATERIALS SUCH AS ORGANIC CHEMICALS, COMBUSTIBLES AND ACIDS.

Other Precautions:FOLLOW DIRECTIONS IN TECHNICAL MANUAL FOR OXYGEN CANDLE FURNACE.

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Exposure Controls/Personal Protection
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Respiratory Protection:NOT REPORTED.

Ventilation:FOLLOW DIRECTIONS DETAILED IN

TECHNICAL MANUAL FOR OXYGEN
CANDLE FURNACE.

Protective Gloves:IMPERVIOUS GLOVES

Eye Protection:NOT REPORTED.

Other Protective Equipment:IMPERVIOUS COVERING AND BOOTS. NIOSH
APPROVED DUST RESPIRATOR.

Work Hygienic Practices:WEAR PROTECTIVE GLOVES TO MINIMIZE SKIN CONTACT
WITH CANDLE. WASH THOROUGHLY AFTER HANDLING. AFTER CLEAN UP, WASH
EXPOSED BODY SURFACES WITH SOAP AND WATER. LAUNDER ALL CLOTHING
BEFORE REUSE.

Supplemental Safety and Health

===== Physical/Chem
ical Properties =====

HCC:D1

Boiling Pt:B.P. Text:DECOMPOSES

Decomp Temp:=298.9C, 570.F

Vapor Density:N/A(AIR=1)

Spec Gravity:2.49 (NA_{CL}O₃)

Solubility in Water:APPROX. 45%

Appearance and Odor:SLIGHTLY TAPERED CYLINDRICAL SOLID, LIGHT GRAY,
ODORLESS

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

Stability Indicator/Materials to Avoid:YES

ORGANIC MATERIALS, FLAMMABLE MATERIALS, METAL FINES, ACIDS, AMMONIUM
SALTS, SULFUR, SULFIDES, MANGANESE DIOXIDE, PO
TASSIUM CYANIDE,
THIOCYANATES. NA_{CL}O₃ AND STRONG ACIDS REACT RELEASING TOXIC
CHLORINE DIOXIDE GAS.

Stability Condition to Avoid:SOURCES OF IGNITION. AVOID HANDLING CANDLE
ON WOOD SURFACES.

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

Waste Disposal Methods:DISPOSE IN AN APPROVED CHEMICAL DISPOSAL AREA IN
COMPLIANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. DO NOT FLUSH
TO SEWER.

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