

MINE SAFETY APPLIANCES CO DBA MSA -- 85984;CANDLE,OXYGEN,LARGE,TYPE B,ROUND --  
4460-00-875-4568

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

Product ID:85984;CANDLE,OXYGEN,LARGE,TYPE B,ROUND

MSDS Date:06/01/1986

FSC:4460

NIIN:00-875-4568

Kit Part:Y

MSDS Number: CDVMR

=== Responsible Party ===

Company Name:MINE SAFETY APPLIANCES CO DBA MSA

Address:3880 MEADOWBROOK RD

City:MURRYSVILLE

State:PA

ZIP:15668-1753

Country:US

Info Phone Num:412-325-1313

Emergency Phone Num:412-325-1313

CAGE:DO463

=== Contractor Identification ===

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 APPLIANCES CO DBA MSA

Box:UNKNOW

CAGE:55749

Company Name:MINE SAFETY APPLIANCES COMPANY

Address:Box:426

City:PITTSBURGH

State:PA

ZIP:15230

Country:US

Phone:412-965-3000

CAGE:DO463

===== Composi

tion/Information on Ingredients =====

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

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

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 1200MG/KG(NACLO\*3)  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:\*\*MODERATELY TOXIC\*\* TARGET  
ORGANS:BLOOD,KIDNEYS.EYES:MAY CAUSE IRRITATION.SKIN:MAY CAUSE  
IRRITATION.INGEST:MAY CAUSE GI TRACT IRRITATION.INHAL:MAY CAUSE  
RESPIRATORY IRRITATION.  
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:PERSONS WITH PRE-EXISTING BLOOD OR  
KIDNEY AILMENTS MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH WATER.GET MEDICAL  
ATTENTION IF NEEDED.EYES:FLUSH WITH WATER FOR 15 MINUTES.GET  
IMMEDIATE MEDICAL ATTENTION.INHAL:REMOVE TO FRESH AIR.GIVE OXYGEN  
OR ARTIFICIAL RESPIRATION IF NEEDED.GET IMMEDIATE MEDICAL  
ATTENTION.INGEST

:DO NOT INDUCE VOMITING.GET PROMPT QUALIFIED  
MEDICAL ATTENTION.

=====  
Fire Fighting Measures  
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Flash Point:NOT FLAMMABLE

Extinguishing Media:USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:USE A SELF-CONTAINED BREATHING APPARATUS AND  
FULL PROTECTIVE EQUIPMENT.COOL FIRE EXPOSED CONTAINERS WITH WATER  
FOG.

Unusual Fire/Explosion Hazard:\*\*OXIDIZER\*\* LIBERATES OXYGEN.FIRE  
CONTROL WATER MAY REDISTRIBUTE THE SUBJECT MATERIAL,C  
REATING A  
LATENT FIRE HAZARD.CONTAINERS MAY BURST.

=====  
Accidental Release Measures  
=====

Spill Release Procedures:ELIMINATE SOURCES OF IGNITION.USE PROPER  
PROTECTIVE EQUIPMENT.PICK UP CANDLE;PLACE IN PROPER CONTAINER FOR  
DISPOSAL.

Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:STORE IN A COOL,DRY,WELL-VENTILATED  
PLACE.KEEP CONTAINER CLOSED WHEN NOT IN USE.KEEP  
P AWAY FROM  
HEAT,SPARKS,FLAMES AND INCOMPATIBLE MATERIALS.

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

=====  
Exposure Controls/Personal Protection  
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Respiratory Protection:NOT REPORTED.

Ventilation:USE WITH ADEQUATE VENTILATION.

Protective Gloves:SEE SUPPLIMENTAL DATA.

Eye Protection:NOT REPORTED.

Other Protective Equipment:NOT REPORTED.

Work Hygienic Practices:FOLLOW DIRECTIONS IN TECHNICAL MANUAL FOR  
OXYGEN CANDLE FURNA

CE.

Supplemental Safety and Health

KEY1:D3.GLOVES:USE IMPERVIOUS GLOVES TO AVOID CONTACT WITH CANDLE,AND  
USE HEAT-RESISTANT GLOVES TO AVOID CONTACT WITH HOT OXYGEN FURNACE.

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

HCC:D1

Boiling Pt:B.P. Text:DECOMPOSES

Decomp Temp:Decomp Text:570F,299C

Spec Gravity:2.49

Solubility in Water:APPRECIABLE;45%

Appearance and Odor:SLIGHTLY TAPERED CYLINDRICAL SOLID;LIGHT  
GRAY;ODORLESS.

===== Stability and Reactivity

Data =====

Stability Indicator/Materials to Avoid:YES

ORGANIC MATLS,FLAMMABLE MATERIALS,METAL FINES,ACIDS,AMMONIUM  
SALTS,SULFUR,SULFIDES,MANGANESE DIOXIDE,KCN,THIOCYANATES

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

Hazardous Decomposition Products:CHLORINE DIOXIDE(PRODUCED WHEN IN  
CONTACT WITH ACIDS).

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH FE  
DERAL,STATE AND  
LOCAL REGULATIONS.DO NOT FLUSH TO SEWER.

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