

MOLECULAR PRODUCTS LTD -- OXYGEN CANDLE -- 4460-00-875-4568

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

Product ID:OXYGEN CANDLE

MSDS Date:11/22/2000

FSC:4460

NIIN:00-875-4568

Status Code:A

Kit Part:Y

MSDS Number: CKWKW

=== Responsible Party ===

Company Name:MOLECULAR PRODUCTS LTD

Address:MILL END

Box:UNKNOW

City:THAXTED ESSEX CM62LT

Info Phone Num:4401371430676/830998 FAX

Emergency Phone Num:440137143067

6/0802534621

Resp. Party Other MSDS Num.:CAN 1 ISSUE NO: 7

Preparer's Name:A. MCKERNAN

CAGE:U2360

=== Contractor Identification ===

Company Name:LUGO O C CO INC THE (OCLCO)

Address:321 MAIN ST

Box:City:NEW CITY

State:NY

ZIP:10956-4307

Country:US

Phone:845-708-7080; FAX845-708-7081

Contract Num:SP0760-99-D-7867

CAGE:0FMB1

Company Name:MOLECULAR PRODUCTS LTD (USE FOR 0MF72)

Address:MILL END

Box:City:THAXTED ESSEX CM6 2LT

Country:UK

Phone:44(0)1371830676/830998 FAX

CAGE:U2360

===== Compo

sition/Information on Ingredients =====

Ingred Name:SODIUM CHLORATE
CAS:7775-09-9
RTECS #:FO0525000
> Wt:90.
Other REC Limits:5 MG/M3 (MFR)

Ingred Name:BARIUM PEROXIDE
CAS:1304-29-6
RTECS #:CR0175000
< Wt:4.
Other REC Limits:0.5 MG/M3 (BA); MFR

Ingred Name:IRON POWDER
CAS:7439-89-6
RTECS #:NO4565500
< Wt:3.
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:LD50 (ORAL, RBT) 1200 MG/KG (CHLORATE)

Routes

of Entry: Inhalation:YES Skin:NO Ingestion:NO

Health Hazards Acute and Chronic:CONTACT WITH COMBUSTIBLE MATERIALS MAY CAUSE FIRE. HARMFUL IF SWALLOWED OR DUST INHALED. RISK OF BLOOD OR KIDNEY DAMAGE.

Explanation of Carcinogenicity:NO DATA PROVIDED BY MANUFACTURER

Effects of Overexposure:HARMFUL IF SWALLOWED OR DUST INHALED. RISK OF BLOOD OR KIDNEY DAMAGE.

Medical Cond Aggravated by Exposure:NO DATA PROVIDED BY MANUFACTURER.

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

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First Aid:INHALATION: REMOVE FROM EXPOSURE. OBTAIN MEDICAL ATTENTION.
SKIN: DRENCH WITH WATER. OBTAIN MEDICAL ATTENTION IF SKIN BECOMES IRRITATED. EYES: IRRIGATE THOROUGHLY WITH CLEAN WATER. OBTAIN MEDICAL ATTE NTION. INGESTION: WASH OUT MOUTH THOROUGHLY. OBTAIN MEDICAL ATTENTION.

===== Fire Fighting Measures =====

Flash Point:NONE FLAMMABLE

Extinguishing Media:WATER ONLY SUITABLE. DO NOT USE FOAM.

Fire Fighting Procedures:BREATHI

NG APPARATUS, BOOTS, GLOVES

Unusual Fire/Explosion Hazard:LIBERATES OXYGEN WHEN HEATED TO >300 C AND MAY CAUSE FIRE OR EXPLOSION IN CONTACT WITH COMBUSTIBLE MATERIALS. CONTAINERS NEAR HEAT SOURCE MAY BE REMOVED OR COOLED WITH WATER.

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

Spill Release Procedures:AVOID INHALING DUST. AVOID SKIN AND EYE CONTACT. SODIUM CHLORATE DAMAGES PLANT AND ANIMAL LIFE. DO NOT WASH DUST INTO SEWERS OR WATER COURSE. CONTAIN MATERIAL. COLLECT UP LARGE FRAGMENTS. ABSORB DUST AND SMALL FRAGMENTS IN DAMP SAND THEN SWEEP OR VACUUM UP. DO NOT SWEEP UP DRY DUST BECAUSE OF RISK OF IGNITION.

Neutralizing Agent:NO DATA PROVIDED BY MANUFACTURER

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

Handling and Storage Precautions:STORE IN A CLEAN DRY ENVIRONMENT. AVOID DIRECT SUNLIGHT OR HEAT. HANDLE WITH CARE AND DO NOT DROP. KEEP AWAY FROM ORGANIC AND COMBUSTIBLE MATERIALS.

Other Precautions:

DO NOT OPEN CAN UNTIL READY FOR USE. CANDLE MAY IGNITE IF TEMPERATURE EXCEEDS 300F (149C). NEVER ALLOW WATER, OIL, GREASE OR COMBUSTIBLES TO CONTACT CANDLE.

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

Respiratory Protection:CLASSIFIED DUST MASK RECOMMENDED.

Ventilation:NO DATA PROVIDED BY MANUFACTURER

Protective Gloves:GENERAL PURPOSE RUBBER GLOVES

Eye Protection:GLASSES TO PROTECT AGAINST DUST.

Other Protective Equipment:BREATHING APPARATUS, BOOTS, GLOVES

Work

Hygienic Practices:WASH AFTER SKIN CONTACT.

Supplemental Safety and Health

PART NUMBER: DWG 16236 CS-4460-0001. DLA-HMIS STAFF: THIS MSDS & A COMPANION WERE IMPLEMENTED DUE TO THE NSN CONTAINING TWO COMPONENTS: CANDLE & AN IGNITER (MATCH) WHICH HAVE DIFFERENT SHIPPING NAMES. THIS RECORD IS FOR THE CANDLE, SERIAL NUMBER: CKWKX IS FOR THE MATCH. DESIGNATED A KIT BECAUSE OF TWO COMPONENTS.

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

HCC:D1

Melt/Freeze

Pt:=200.C, 392.F

M.P/F.P Text:APPROXIMATE

Decomp Temp:=300.C, 572.F

Decomp Text:APPROXIMATE

Spec Gravity:2

Solubility in Water:PARTIAL

Appearance and Odor:GRAY COLOURED SOLIDS WITH NO ODOR

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

FUELS, ORGANIC MATERIALS.

Stability Condition to Avoid:NO DATA PROVIDED BY MANUFACTURER.

Hazardous Decomposition Products:DECOMPOSES TO PRODUCE OXYGEN ON HEATING OR IGNITION. STRONG ACIDS, CHLORINE AND CHLORINE DIOXIDE ARE EVOLVED CA

N BURN WITH EXPLOSIVE. VIOLENCE IF ORGANIC MATERIALS ARE PRESENT.

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

Toxicological Information:SODIUM CHLORATE: LD50 = 1200 MG/KG (RBT.

BARIUM PEROXIDE: LD50 = UNKNOWN.

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

Ecological:RISK OF DAMAGE TO ANIMAL OR PLANT LIFE.

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

Waste Disposal Methods:DISPOSAL BY LICENSED CONTRACTOR AND CARRIER.

MATERIAL IS A SPECIAL WASTE UNDER UK LEGISLATION.

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

Transport Information:TARSPORT CLASSIFICATION: OXYGEN GENERATOR, CHEMICAL. UN NUMBER: 3356. HAZARD CLASS: 5.1 OXIDIZER. PACKING GROUP: II. SUBSIDIARY RISK: HARMFUL.

===== Regulatory Information =====

SARA Title III Information:NO DATA PROVIDED BY MANUFACTURER

Federal Regulatory Information:NO DATA PROVIDED BY MANUFACTURER

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te Regulatory Information:NO DATA PROVIDED BY MANUFACTURER.

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

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