

REGENESIS BIOREMEDIATION PRODUCTS -- OXYGEN RELEASE COMPOUND(ORC) --  
6850-01-448-8764

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

Product ID:OXYGEN RELEASE COMPOUND(ORC)  
MSDS Date:10/21/1996  
FSC:6850  
NIIN:01-448-8764  
MSDS Number: CFMXG  
=== Responsible Party ===  
Company Name:REGENESIS BIOREMEDIATION PRODUCTS  
Address:27130A PASEO ESPADA, SUITE 1407  
City:SAN JUAN CAPISTRANO  
State:CA  
ZIP:92675  
Country:US

Info  
Phone Num:714-443-3136/714-443-3140 FAX  
Emergency Phone Num:714-443-3136  
CAGE:086Z3

=== Contractor Identification ===  
Company Name:REGENESIS BIOREMEDIATION PRODUCTS  
Address:27130A PASEO ESPADA, SUITE 1407  
Box:City:SAN JUAN CAPISTRANO  
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CAGE:086Z3

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

Ingred Name:MAGNESIUM PEROXIDE  
CAS:14452-57-4  
RTECS #:OM4100000  
Fraction by Wt: 25-35%  
Other REC Limits:NONE RECOMMEN  
DED  
OSHA PEL:5 MG MG/M3 CEILING  
ACGIH TLV:10 MG MG/M3

Ingred Name:MAGNESIUM HYDROXIDE  
CAS:1309-42-8  
RTECS #:OM3570000  
Other REC Limits:NONE RECOMMENDED

Ingred Name:MAGNESIUM OXIDE  
CAS:1309-48-4  
RTECS #:OM3850000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:15 MG/M3 PARTICULATE  
ACGIH TLV:10 MG/M3; FUME; 9596

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

LD50 LC50 Mixture:N/ESTABLISHED.SHOULD BE TREAT AS NUIS DU  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

s of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:NONE SPECIFIED BY MANUFACTURER.  
NUISANCE DUST.

Effects of Overexposure:NONE SPECIFIED BY MANUFACTURER. NUISANCE DUST.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:AFTER CONTACT W/SKIN WASH IMMEDIATELY W/PLENTY OF  
WATER/SOAP/IN CASE OF CONTACT W/EYES RINSE IMMEDIATELY W/PLENTY OF WATER  
& SEEK MED ATTN.

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

Autoignition Temp:Autoignition Temp Text:NA  
Lower Limits:NP  
Upper Limits:NP  
Extinguishing Media:CARBON DIOXIDE, DRY CHEMICALS, FOAM.  
Fire Fighting Procedures:SELF-CONTAINED BREATHING APPARATUS OR APPROV  
GAS MASK SHOULD BE WORN DUE TO SMALL PARTICLE SIZE.USE EXTING MEDIA  
APPROPR FOR SURROUNDING FIRE.  
Unusual Fire/Explosion Hazard:SPONTANEOUS DECOMPOSITION POSSIBLE ABOUT  
150C. NON-COMBUSTIBLE, BUT WILL SUPPORT COMBUSTION.

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

Spill Release Procedures:COLLECT IN SUITABLE CNTNRS.WASH REMAINDER  
W/COPIOUS QUANTITIES OF WATER.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED.KEEP  
AWAY FROM COMBUSTIBLE MATL.USE ONLY IN WELL-VENTILATED AREAS.NOT  
FLAMM BUT MAY INTENSIFY FIRE.  
Other Precautions:AFT RX OF MGNESIUM  
M PEROXIDE TO FORM OXY RESULTING  
MTAL,MAGNESIUM HYDROXIDE,MILDLY BASIC.ATMS OF MAGNESIUM  
OXIDE(MAGNESIA) & MAGNESIUM HYDROXIDE IN INITIAL PROD HAVE EFFECT  
SIMILAR TO LIME BUT W/LOWER ALKALINITY.

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

Respiratory Protection:RECOMMENDED (HEPA FILTERS)  
Ventilation:NONE SPECIFIED BY MANUFACTURER.  
Protective Gloves:WEAR SUITABLE GLOVES  
Eye Protection:USE CHEMICAL SAFETY GOGGLES  
Other Protective Equipment:NONE SPECIFIED BY M

ANUFACTURER.

Work Hygienic Practices:AVOID CONTACT W/SKIN/EYES.

Supplemental Safety and Health

PH:APPROX 10 IN SATURATED SOLN.

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

HCC:N1

Boiling Pt:B.P. Text:N/DETERMINE

Melt/Freeze Pt:M.P/F.P Text:N/DETERMINE

Decomp Temp:Decomp Text:302F,150C

Vapor Pres:N/AVAI

Vapor Density:NP

Spec Gravity:0.6-0.8G/CC

pH:SUPPLE

Viscosity:NP

Evaporation Rate & Reference:NP

Solubility in Water:REACTS W/WATER.

Appearance and Odor:POWDER, WHITE  
COLOR, ODORLESS

Percent Volatiles by Volume:NP

Corrosion Rate:NP

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

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS,STRONG CHEM AGENTS.

Stability Condition to Avoid:STABLE UNLESS HEATED >150C.MAGNESIUM

PEROXIDE RXS W/H2O-SLOWLY RELEASE OXY.REACT BY PRODUCT:MAGNESIUM  
HYDROXIDE.OPN FLAM

Hazardous Decomposition Products:NOT KNOWN.

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

Waste Disposal M

ethods:DISPOSE VIA SANITARY LANDFILL PER STATE/LOC

AUTHORITY.WATER POLLUTION HAZ RATING(WGK):0.

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