

GRACE W R & CO EMERSON & CUMING DEWEY & ALMY CHEM -- ECCOTHERM TC-4 --  
9150-01-091-8115

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

Product ID:ECCOTHERM TC-4  
MSDS Date:06/30/1994  
FSC:9150  
NIIN:01-091-8115  
MSDS Number: BVVCP  
=== Responsible Party ===  
Company Name:GRACE W R & CO EMERSON & CUMING DEWEY & ALMY CHEM  
Address:869 WASHINGTON ST  
City:CANTON  
State:MA  
ZIP:02021-2513  
Country:US  
Info Phone Num:617-938  
-8630 OR 617-828-3300  
Emergency Phone Num:617-935-4850  
Preparer's Name:DAVID HAAS  
CAGE:04552  
=== Contractor Identification ===  
Company Name:GRACE W R & CO EMERSON & CUMING DEWEY & ALMY CHEM  
Address:869 WASHINGTON ST  
City:CANTON  
State:MA  
ZIP:02021-2513  
Country:US  
Phone:617-935-4850  
CAGE:04552

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

Ingred Name:ZINC OXIDE  
CAS:1314-13-2  
RTECS #:ZH4810000  
Fraction by Wt: 70-80%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:15 MG/M3 TDUST

Ingred Name:SILICONE RESIN

Fraction by Wt: 20-30%

Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:LD50 (ORAL RAT) IS NOT AVAILABLE

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

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE: EYES- IRRITATING TO THE EYES.

SKIN- MAY CAUSE SLIGHT IRRITATION. INHALATION- VAPORS MAY CAUSE RESPIRATORY

IRRITATION. UNLIKELY AT ROOM TEMPERATURE. INGESTION-

HARMFUL IF SWALLOWED. CHRONIC: EXPOSURE UNLIKELY UNLESS THE PRODUCT IS APPLIED IN A MANNER WHICH RESULTS IN MISTS OR FUMES.

Explanation of Carcinogenicity:NONE OF THE COMPOUNDS IN THIS PRODUCT IS LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.

Effects of Overexposure:EYES- BLURRED VISION, BURNING SENSATION AND TEARING.

Medical Cond Aggravated by Exposure:NO DATA IS AVAILABLE FOR THIS PRODUCT MIXTURE.

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== First Aid Measures =====

First Aid:EYE: FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN: WASH WITH SOAP & WATER/WATERLESS CLEANER. REMOVE CONTAMINATED CLOTHING AND LAUNDER BEFORE REUSE. IF IRRITATION PERSISTS SEE A DOCTOR. INHALATION:REMOVE TO FRESH AIR. GIVE OXYGEN IF BREATHING IS DIFFICULT AND GET MEDICAL CARE. INGESTION: DILUTE BY GIVING PLENTY OF WATER TO DRINK, IF CONSCIOUS.

===== Fire Fig

hting Measures =====

Flash Point:>200F,>93C

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS. CONTAINERS MAY RUPTURE UNDER FIRE CONDITIONS.

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Accidental Release Measures =====

Spill Release Procedures:SMALL SPILLS: ACTIVATE EXHAUST VENTILATION. WIPE UP OR ABSORB SPILLED MATERIAL WITH VERMICULITE OR OTHER SIMILAR MATERIAL. WASH AREA WITH SOAPY MATERIAL. LARGE SPILLS: SHUT OFF RELEASE IF POSSIBLE. D I KE AREA TO CONTAIN SPILL. CLEAN AREA.

Neutralizing Agent:NONE.

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

Handling and Storage Precautions:STORE IN A COOL, DRY PLACE WITH ADEQ UATE VENTILATION. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. KEEP AWAY FROM FLAMES AND HEAT SOURCES.

Other Precautions:NONE

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

Respiratory Protection:RESPIRATORY PROTECTION WILL NOT NORMALLY BE REQUIRED. IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL(TLV), USE NIOSH/MSHA APPROVED RESPIRATORS AS PER CURRENT 29 CFR 1910.134, INSTRUCT IONS/WARNINGS.

Ventilation:PROVIDE EFFECTIVE MECHANICAL EXHAU ST VENTILATION TO DRAW VAPORS.

Protective Gloves:WEAR APPROPRIATE PROTECTIVE GLOVES.

Eye Protection:SAFETY GLASSES, SPLASH-PROOF GOGGLES.

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER. INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED BY TASK AT HAND.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.

Supplemental Safety and Health  
NONE

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

HCC:V6  
Vapor Pr

es:NEGLIGIBLE  
Spec Gravity:>2.2  
Solubility in Water:INSOLUBLE  
Appearance and Odor:OFF-WHITE LIQUID/PASTE.  
Percent Volatiles by Volume:NEGLI

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

Stability Indicator/Materials to Avoid:YES  
STRONG OXIDIZING AGENTS, ACIDS AND BASES.  
Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES AND OTHER SOURCES  
OF IGNITION. AVOID STORAGE IN OPEN CONTAINERS.  
Hazardous Decomposition Products:COMBUSTION WILL PRODUCE SILICON  
DIOXIDE.

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

Waste Disposal Methods:DISPOSE OF IN AN APPROPRIATE DISPOSAL FACILITY  
I/A/W FEDERAL, STATE, LOCAL REGULATIONS.

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