

EQUILON ENTERPRISES LLC -- 02087 CAPELLA HFC 68NA -- 9150-01-387-4469

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

Product ID:02087 CAPELLA HFC 68NA
MSDS Date:01/04/1999
FSC:9150
NIIN:01-387-4469
Status Code:A
MSDS Number: CJPSJ
=== Responsible Party ===
Company Name:EQUILON ENTERPRISES LLC
Address:PRODUCT STEWARDSHIP
Box:674414
City:HOUSTON
State:TX
ZIP:77267-4414
Country:US
Info Phone Num:877-276-7285
Em
ergency Phone Num:877-276-7283
Chemtrec Ind/Phone:(800)424-9300
CAGE:3N254

=== Contractor Identification ===

Company Name:B&M ENTERPRISES
Address:17350 TEMPLE AVE
Box:City:LA PUENTE
State:CA
ZIP:91744
Country:US
Phone:818-912-1275
Contract Num:SP0450-99-M-NF83
CAGE:097K0
Company Name:EQUILON ENTERPRISES LLC PRODUCT STEWARDSHIP
Address:1111 BAGBY RD RM 4325D
Box:674414
City:HOUSTON
State:TX
ZIP:77267-4414
Country:US
Phone:877-276-7285
CAGE:3N254

===== Composition/Information on Ingredie

nts =====

Ingred Name:SYNTHETIC POLYOL ESTER
= Wt:100.

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

LD50 LC50 Mixture:ORAL LD50(RAT): > 5.00 G/KG (NON-TOXIC)
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: EYE-MAY CAUSE MINIMAL
IRRITATION, EXPERIENCED AS TEMPORARY DISCOMFORT. SKIN-BRIEF CONTACT
IS NOT IRRITATING. PROLONGED CONTACT, AS WITH CLOTHING WETTED WITH
MATERIAL, MAY CAUSE DEFATTING OF SKIN OR IRRITATION. OTHER THAN
THE POTENTIAL SKIN IRRITATION, ACUTE ADVERSE EFFECTS ARE NOT
EXPECTED FROM BRIEF SKIN CONTACT. INHALATION-VAPORS OR MIST, IN
EXCESS OF PERMISSIBLE CONCENTRATIONS, MAY CAUSE IRRITATION OF THE
NOSE AND THROAT. CHRONIC: NO ADVERSE EFFECTS HAVE BEEN DOCUMENTED
IN HUMANS AS A RESULT OF CHRONIC EXPOSURE.
Effects of Overexposure:SKIN-MAY CAUSE LOCAL REDNESS WITH POSSIBLE MILD
DISCOMFORT. INHALATION-MAY CAUSE HEADACHE, NAUSEA AND DROWSINESS.
INGESTION-IF MORE THAN SEVERAL MOUTHFULS ARE SWALLOWED, ABDOMINAL
DISCOMFORT, NAUSEA AND DIARRHEA MAY OCCUR.
Medical Cond Aggravated by Exposure:BECAUSE OF ITS DEFATTING
PROPERTIES, PROLONGED AND REPEATED SKIN CONTACT MAY AGGRAVATE AN
EXISTING DERMATITIS (SKIN CONDITION).

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

First Aid:EYES-FLUSH EYES WITH PLENTY OF WATER FOR SEVERAL MINUTES. GET
MEDICAL ATTENTION IF EYE IRRITATION PERSISTS. SKIN-WASH SKIN WITH
PLENTY OF SOAP & WATER FOR SEVERAL MIN. GET MEDICAL ATTENTION IF
SKIN IRRITATION DEVELOPS OR PERSISTS. INGESTION-IF MORE THAN
SEVERAL MOUTHFULS OF THIS MATERIAL ARE SWALLOWED, GIVE TWO GLASSES
OF WATER (16 OZ.). GET MEDICAL ATTENTION. INHALATION-IF IRRITATION,
HEADACHE, NAUSEA OR DROWSINESS OCCURS, REMOVE TO FRESH AIR. GET
MEDICAL ATTENTION IF BREATHING BECOMES DIFFICULT OR RESPIRATORY
IRRITATION PERSISTS.

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

FI

ash Point Method:COC
Flash Point:=260.C, 500.F
Autoignition Temp:Autoignition Temp Text:N/D
Lower Limits:N/D
Upper Limits:N/D

Extinguishing Media:USE WATER SPRAY, DRY CHEMICAL, FOAM, OR CARBON DIOXIDE TO EXTINGUISH FLAMES. USE WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS. WATER OR FOAM MAY CAUSE FROTHING.

Fire Fighting Procedures:OTHER THAN NORMAL PROTECTIVE FIRE-FIGHTING EQUIPMENT, NO SPECIAL EQUIPMENT OR PROCEDURES REQUIRED.

Unusual Fire/Explosion Hazard:NONE

===== Ac
cidental Release Measures =====

Spill Release Procedures:VENTILATE AREA. AVOID BREATHING VAPOR. WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT, INCLUDING APPROPRIATE RESPIRATORY PROTECTION. CONTAIN SPILL IF POSSIBLE. WIPE UP OR ABSORB ON SUITABLE MATERIAL AND SHOVEL UP. PREVENT ENTRY INTO SEWERS AND WATERWAYS. AVOID CONTACT WITH SKIN, EYES OR CLOTHING.

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

Handling and Storage Precautions:HANDLING: MI
NIMUM FEASIBLE HANDLING

TEMPERATURES SHOULD BE MAINTAINED. STORAGE: PERIODS OF EXPOSURE TO HIGH TEMPERATURES SHOULD BE MINIMIZED. WATER CONTAMINATION SHOULD BE AVOIDED.

Other Precautions:REMOVE & DRY-CLEAN OR LAUNDRER CLOTHING SOAKED OR SOILED WITH THIS MATERIAL BEFORE REUSE. DRY CLEANING OF CONTAMINATED CLOTHING MAY BE MORE EFFECTIVE THAN NORMAL LAUNDERING. INFORM INDIVIDUALS RESPONSIBLE FOR CLEANING OF POTENTIAL HAZARDS ASSOCIATED WITH HANDLING CONTAMINATED CLOTHING

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

Respiratory Protection:AIRBORNE CONCENTRATIONS SHOULD BE KEPT TO LOWEST LEVELS POSSIBLE. IF VAPOR, MIST OR DUST IS GENERATED AND THE OCCUPATIONAL EXPOSURE LIMIT OF THE PRODUCT, OR ANY COMPONENT OF THE PRODUCT, IS EXCEEDED, USE APPROPRIATE NIOSH OR MSHA APPROVED AIR PURIFYING OR AIR SUPPLIED RESPIRATOR AFTER DETERMINING THE AIRBORNE CONCENTRATION OF THE CONTAMINANT. **(SEE BELOW)

Ventilation:LOCAL EXHAUST

VENTILATION RECOMMENDED IF GENERATING VAPOR,
DUST, OR MIST. IF EXHAUST VENTILATION IS NOT AVAILABLE OR
INADEQUATE, ***(SEE BELOW)

Eye Protection:SAFETY GLASSES, CHEMICAL GOGGLES,FACE SHIELD RECOMMENDED
PREVENT EYE CONTACT.

Work Hygienic Practices:WORKERS SHOULD WASH EXPOSED SKIN SEVERAL TIMES
DAILY WITH SOAP AND WATER. SOILED WORK CLOTHING SHOULD BE LAUNDERED
OR DRY-CLEANED.

Supplemental Safety and Health

RESPIRATORY PROTECTION: AIR SUPPLIED RESPIRATORS SHOULD ALWAYS BE WO
RN

WHEN AIRBORNE CONCENTRATION OF THE CONTAMINANT OR OXYGEN CONTENT IS
UNKNOWN. VENTILATION: USE MSHA OR NIOSH APPROVED RESPIRATOR AS
APPROPRIATE.

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

HCC:N1

Boiling Pt:=215.6C, 420.F

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

Vapor Pres:N/D

Vapor Density:N/D

Spec Gravity:.97(WATER=1)

Viscosity:71.4 CST AT 40.0C

Solubility in Water:N/D

Appearance and Odor:LIGHT PALE LIQUID,MILD ODOR

===== Stability and Reactivity

Data =====

Stability Indicator/Materials to Avoid:YES

THIS MATERIAL REACTS VIOLENTLY WITH: STRONG OXIDIZERS

Hazardous Decomposition Products:PRODUCTS EVOLVED WHEN SUBJECTED TO
HEAT OR COMBUSTION: TOXIC LEVELS OR CARBON MONOXIDE, CARBON
DIOXIDE, IRRITATING ALDEHYDES AND KETONES.

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

Toxicological Information:MEDIAN LETHAL DOSE; ORAL: LD50 BELIEVED TO BE
> 5.00 G/KG (RAT) PRACTICALLY NON-TOXIC. INHALATION;

NOT

DETERMINED. DERMAL; LD50 BELIEVED TO BE > 2.00 G/KG (RABBIT)
PRACTICALLY NON-TOXIC. IRRITATION INDEX, ESTIMATION OF
IRRITATION (SPECIES) SKIN: (DRAIZE) BELIEVED TO BE