

COLE CHEMICAL AND DISTRIBUTING INC -- ANTI-ICING AND DE-ICING DEFROSTING FLUID --
6850-01-039-3842

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

Product ID:ANTI-ICING AND DE-ICING DEFROSTING FLUID

MSDS Date:07/09/1986

FSC:6850

NIIN:01-039-3842

MSDS Number: BGGZD

=== Responsible Party ===

Company Name:COLE CHEMICAL AND DISTRIBUTING INC

Address:13301 BEAUMONT HWY BLDG 8

City:HOUSTON

State:TX

ZIP:77049

Country

:US

Info Phone Num:713-458-7451

Emergency Phone Num:713-458-7451

Preparer's Name:DONNA FUJIMOTO COLE

CAGE:2J239

=== Contractor Identification ===

Company Name:COLE CHEMICAL AND DISTRIBUTING INC

Address:13301 BEAUMONT HWY BLDG 8

Box:City:HOUSTON

State:TX

ZIP:77049-1455

Country:US

Phone:713-458-7451

CAGE:2J239

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

Ingred Name:ETHYLENE GLYCOL AND OTHER GLYCOLS

Fraction by Wt: 89.0%

Other REC Limits:50 PPM(CEILING)

Ingred Name:WATER

AND INHIBITORS
Fraction by Wt: 11.0%

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

Routes of Entry: Inhalation:YES Skin:UNKNOWN Ingestion:YES
Health Hazards Acute and Chronic:ACUTE:IRRITATION OF EYES,SKIN AND
RESPIRATORY TRACT; INGESTION MAY CAUSE DISCOMFORT,ABDOMINAL
PAIN,DIZZINESS,CNS DEPRESSION. CHRONIC:CNS DEPRESSION.
Effects of Overexposure:SEE HEALTH HAZARDS DATA.
Medical Cond Aggravated by Exposure:PRE-EXISTING CONDITIONS MAY BE
WORSEN.

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

First Aid:INGESTION:IF CONSCIOUS,INDUCE VOMITING;CALL A PHYSICIAN AT
ONCE. SKIN:WASH WITH SOAP & WATER THOROUGHLY. INHALATION:REMOVE TO
FRESH AIR;CALL A PHYSICIAN IF NEEDED. EYES:FLUSH WITH PLENTY OF
WATER;CALL A PHYSICIAN IF NEEDED.

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

Flash Point Method:TCC
Flash Point:270F/132C
Lower Limits:3.2
Upper Limits:15.0
Extinguishing Media:WATER SPRAY,CO*2,DRY CH
EMICALS
Fire Fighting Procedures:NORMALLY NOT NEEDED;USE NIOSH/MSHA APPROVED
SCBA IN AN ENCLOSED AREA.
Unusual Fire/Explosion Hazard:NONE NOTED.

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

Spill Release Procedures:USE PROPER PERSONAL PROTECTION;CONTAIN FREE
LIQUID,USE SUITABLE ABSORBENT MATERIAL AND RECOVER FOR PROPER
DISPOSAL.

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

Handling and Storage Precautions:STORE IN COOL,DRY AND WELL VE

NTILATED

AREA. AVOID EXTREME HEAT.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR FOR ORGANIC VAPORS/MIST IF ABOVE TLV/PEL.

Ventilation:LOCAL/GENERAL TO MAINTAIN TLV/PEL BELOW THE LIMITS.

Protective Gloves:RUBBER/PLASTIC

Eye Protection:CHEMICAL GOGGLES WITH SIDE SHIELD

Other Protective Equipment:EYE BATH & SAFETY SHOWER

Work Hygienic Practices:AVOID CONTACT WITH SKIN ANE EYES;DO NOT BREATHE VAPORS/MIST.D

O NOT TAKE INTERNALLY.

Supplemental Safety and Health

MSDS RECEIVED BY DGSC:MAY 20,1988.

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

HCC:N1

Boiling Pt:B.P. Text:377F/192C

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