

SOFECIA S.A. -- SDA-3A -- 6810-00-201-0904

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

Product ID:SDA-3A
MSDS Date:05/01/1996
FSC:6810
NIIN:00-201-0904
Status Code:A
MSDS Number: CLCYK
=== Responsible Party ===
Company Name:SOFECIA S.A.
Address:920 STATE STREET
City:PERTH AMBOY
State:NJ
ZIP:08861
Country:US
Info Phone Num:908-826-7592
Emergency Phone Num:(800)424-9300
Preparer's Name:NOT PROVIDED
Chemtrec
Ind/Phone:(800)424-9300
CAGE:UO463
=== Contractor Identification ===
Company Name:PHOENIX INDUSTRIES INC
Address:1519 CHAMBERLAYNE PARKWAY
Box:City:RICHMOND
State:VA
ZIP:23222
Country:US
Phone:804-264-5183/FAX: 264-5535
Contract Num:SP0450-01-M-ZB72
CAGE:0YED2
Company Name:SOFECIA S.A.
Address:920 STATE STREET
Box:City:PERTH AMBOY
State:NJ
ZIP:08861
Country:US
Phone:908-826-7592
CAGE:UO463

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

Ingred Name:ETHANOL
CAS:64-17-5
RTE

CS #:KQ6300000

= Wt:95.

Other REC Limits:NOT PROVIDED

OSHA PEL:1900 MG/M3;1000 PPM

ACGIH TLV:1880 MG/M3;1000 PPM

Ingred Name:METHANOL

CAS:67-56-1

RTECS #:PC1400000

= Wt:5.

Other REC Limits:NOT PROVIDED

OSHA PEL:260 MG/M3;200 PPM

ACGIH TLV:262 MG/M3;200 PPM

ACGIH STEL:328 MG/M3;250 PPM

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

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

LD50 LC50 Mixture:NOT PROVIDED

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

Health Hazards A

acute and Chronic:GENERAL: PROLONGED EXPOSURE TO

EXCESSIVE CONCENTRATIONS OF ETHANOL MAY RESULT IN IRRITATION OF MUCOUS MEMBRANES, HEADACHE, DROWSINESS, FATIGUE AND NARCOSIS. THE OTHER COMPONENTS ARE NOT EXPECTED TO ADD SIGNIFICANTLY TO THE TOXICITY OF THE PRODUCT. INHALATION: HIGH VAPOR CONCENTRATIONS MAY CAUSE UPPER RESPIRATORY TRACT IRRITATION AND NARCOSIS. EYE: LIQUID OR VAPOR MAY CAUSE IRRITATION. SKIN: NO SPECIFIC HAZARDS ARE KNOWN.

Explanation of Carcinogenicity:

NONE

Effects of Overexposure:PROLONGED EXPOSURE TO EXCESSIVE CONCENTRATIONS OF ETHANOL MAY RESULT IN IRRITATION OF MUCOUS MEMBRANES, HEADACHE, DROWSINESS, FATIGUE AND NARCOSIS. INHALATION: HIGH VAPOR CONCENTRATIONS MAY CAUSE UPPER RESPIRATORY TRACT IRRITATION AND NARCOSIS. EYE: LIQUID OR VAPOR MAY CAUSE IRRITATION.

Medical Cond Aggravated by Exposure:NOT PROVIDED

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

First Aid:INHALATION: REMOVE FROM EXPOSURE,

TREAT SYMPTOMATICALLY AND
GET MEDICAL HELP. EYES: IMMEDIATELY FLUSH WITH WATER FOR AT LEAST
15 MINUTES, AND GET MEDICAL ATTENTION IF SYMPTOMS PERSIST.

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

Flash Point Method:TCC
Flash Point:=5.C, 41.F
Autoignition Temp:=400.C, 752.F
Lower Limits:4.0
Upper Limits:20.0
Extinguishing Media:WATER SPRAY, DRY CHEMICALS, "ALCOHOL" FOAM.
Fire Fighting Procedures:WEAR SELF CONTAINED BREATHING APPARATUS AND
PROTECTIVE CLOTHING
TO PREVENT CONTACT WITH SKIN AND EYES.
Unusual Fire/Explosion Hazard:FLAMMABLE LIQUID, VAPORS ARE HEAVIER THAN
AIR AND MAY CAUSE IGNITION/FLASHBACK.

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

Spill Release Procedures:ELIMINATE ALL SOURCES OF IGNITIONS. SMALL
SPILLS MAY BE COLLECTED WITH ABSORBENT MATERIAL. FOR LARGE SPILLS,
USE WATER SPRAY TO DILUTE SPILL TO A NON FLAMMABLE MIXTURE.
PREVENT RUN-OFF FROM ENTERING DRAINS, SEWERS AND STREAMS.
Neutralizing
Agent:NOT RELEVANT

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

Handling and Storage Precautions:MATERIAL IS CLASSIFIED AS A FLAMMABLE
LIQUID. KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAMES. KEEP
CONTAINERS CLOSED, USING ADEQUATE VENTILATION. EMPTY PACKAGES MAY
CONTAIN RESIDUE, FOLLOW LABEL WARNING EVEN AFTER PACKAGES HAVE
BEEN EMPTIED.
Other Precautions:NOT PROVIDED

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

Respiratory Protection:AN APPROPRIATE NIOSH APPROVED RESPIRATOR FOR
ORGANIC VAPORS SHOULD BE WORN.
Ventilation:AT LEAST 10 AIR CHANGES PER HOUR ARE RECOMMENDED FOR GOOD
ROOM VENTILATION. LOCAL EXHAUST IF NEEDED TO CONTROL VAPORS.
Protective Gloves:NOT PROVIDED
Eye Protection:SAFETY GLASSES SHOULD BE WORN FOR ANY TYPE OF INDUSTRIAL
OPERATION.
Other Protective Equipment:AN EYE BATH AND WASHING FACILITIES SHOULD BE
AVAILABLE.
Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.
Supplemental Safety a

nd Health

ABBREVIATION: N/A = NOT APPLICABLE. N/AV = NOT AVAILABLE. N/K = UNKNOWN. N/P = NOT PROVIDED. N/R = NOT RELEVANT. N/D = NOT DETERMINED. N/E = NOT ESTABLISHED. CNS = CENTRAL NERVOUS SYSTEM.

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

HCC:F5
NRC/State Lic Num:NOT RELEVANT
Boiling Pt:B.P. Text:74 - 80C
Melt/Freeze Pt:M.P/F.P Text:NOT PROVIDED
Decomp Temp:Decomp Text:NOT PROVIDED
Vapor Pres:CA 50 @ 20 DEG C (MM HG)
Vapor Density:CA 1.5(AIR
Spec Gravity:0.7
9(200PF)-0.81(190PF)
pH:NOT RELEVANT
Viscosity:NOT RELEVANT
Evaporation Rate & Reference:CA 2 (N-BUTYL ACETATE=1)
Solubility in Water:COMPLETE
Appearance and Odor:CLEAR LIQUID - ALCHOL ODOR
Percent Volatiles by Volume:> 99
Corrosion Rate:NOT PROVIDED

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

Stability Indicator/Materials to Avoid:YES
OXIDIZING MATERIAL CAN CAUSE VIGOROUS REACTION.
Stability Condition to Avoid:NOT PROVIDED
Hazardous Decomposition Products:AS WITH A
NY ORGANIC MATERIAL,
COMBUSTION WILL PRODUCE CARBON DIOXIDE, AND CARBON MONOXIDE.

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

Toxicological Information:ETHANOL: LD50 ON RAT: 6.2 TO 17.8 G/KG;
INHALATION LC50 ON RAT: CA 16,000 PPM PER 8 HRS. METHANOL: LD50 ON
RAT: 6200 MG/KG; INHALATION LC50 ON RAT: > 22,500 PPM PER 8 HRS.

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

Ecological:NOT PROVIDED

===== Disposal Consideratio

ns =====

Waste Disposal Methods:MIX WITH COMPATIBLE CHEMICAL WHICH IS LESS COMBUSTIBLE, AND INCINERATE. OBSERVE ALL FEDERAL, STATE, AND LOCAL LAWS CONCERNING HEALTH AND ENVIRONMENT.

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

Transport Information:DOT HAZARD CLASSIFICATION: CLASS 3 FLAMMABLE LIQUID. DOT SHIPPING NAME: DENATURED ETHYL ALCOHOL. UN NUM: UN 1987. EMERGENCY RESPONSE: 28.

===== Regulatory Information =====
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SARA Title III Information:EXTREMELY HAZARDOUS SUBSTANCES: NONE. TOXIC CHEMICAL SECTION 372: METHANOL (67-56-1) 5 %. CERCLA: THE COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT: METHANOL (67-56-1) 5 %; RQ (LBS): 5000.

Federal Regulatory Information:TOXIC SUBSTANCE CONTROL ACT: THIS PRODUCT IS A MIXTURE AND EACH COMPONENT IS LISTED IN THE TSCA INVENTORY OF CHEMICAL SUBSTANCES.

State Regulatory Information:THIS MATERIAL IS LISTED IN ALL STATES UNDER THE RIGHT TO KNOW ACT.

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

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