

THIRD COAST PACKAGING INC -- DOT 3 BRAKE FLUID -- 9150-00-231-9071

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Product Identification  
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Product ID:DOT 3 BRAKE FLUID

MSDS Date:11/19/1996

FSC:9150

NIIN:00-231-9071

Status Code:A

MSDS Number: CKWSR

=== Responsible Party ===

Company Name:THIRD COAST PACKAGING INC

Address:18410 W CLOVER LN

Box:367

City:FRIENDSWOOD

State:TX

ZIP:77596

Country:US

Info Phone Num:281-482-9212

Emergency Phon

e Num:281-482-9212

Preparer's Name:NOT PROVIDED

Chemtrec Ind/Phone:(800)424-9300

CAGE:0P418

=== Contractor Identification ===

Company Name:CHEMICAL SPECIALISTS AND DEVELOPMENT

Address:2275 TUCKER INDUSTRIAL RD

Box:City:TUCKER

State:GA

ZIP:30084

Country:US

Phone:770-938-4513/FAX 770-938-3966

Contract Num:SP0450-01-D-5285

CAGE:1MDA6

Company Name:CHEMICAL SPECIALISTS AND DEVELOPMENT

Address:2275 TUCKER INDUSTRIAL RD

Box:City:TUCKER

State:GA

ZIP:30084

Country:US

Phone:770-938-4513/FAX 770-938-3966

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Contract Num:SP0450-01-M-C589  
CAGE:1MDA6  
Company Name:THIRD COAST PACKAGING INC  
Address:18410 W CLOVER LN  
Box:367  
City:FRIENDSWOOD  
State:TX  
ZIP:77549  
Country:US  
Phone:281-482-9212;914-838-7204  
CAGE:0P418

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Composition/Information on Ingredients  
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Ingred Name:ETHYLENE GLYCOL  
CAS:107-21-1  
RTECS #:KW2975000  
= Wt:20.  
Other REC Limits:NOT PROVIDED  
OSHA PEL:50 PPM  
ACGIH TLV:39 PPM  
ACGIH STEL:C127 MG/M3;C50 PPM  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:HEAVY GLYCOL ETHER  
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= Wt:80.  
Other REC Limits:NOT PROVIDED  
OSHA PEL:NOT PROVIDED  
ACGIH TLV:NOT PROVIDED

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Hazards Identification  
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LD50 LC50 Mixture:CAS# 107-21-1:ORAL,RAT,LD50: 5840 MG/KG  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE: EYE AND SKIN: PRIMARY  
IRRITATION TO SKIN, DEFATTING, DERMITITIS. ABSORPTION THROUGH SKIN  
INCREASES EXPOSURE. PRIMARY IRRITATION TO EYES, REDNESS, TEARING,  
BLURRED VISION. LIQUID CA

N CAUSE EYE IRRITATION. INHALATION:

ANESTHETIC. IRRITATES RESPIRATORY TRACT. ACUTE OVEREXPOSURE CAN CAUSE SERIOUS NERVOUS SYSTEM DEPRESSION. VAPOR HARMFUL. SWALLOWING: HARMFUL OR FATAL IF SWALLOWED. SWALLOWING CAN CAUSE ABDOMINAL IRRITATION, NAUSEA, VOMITING, AND DIARRHEA.

Explanation of Carcinogenicity: THIS PRODUCT HAS NO CARCINOGENS LISTED BY IARC, NTP, NIOSH, OSHA, OR AGCIH, AS OF THIS DATE, GREATER OR EQUAL TO 0.1%.

Effects of Overexposure: EYE: IRRITATION, REDNESS, TEARING, BLURRED

VISION. SKIN: IRRITATION, DEFATTING, DERMITITIS. ABSORPTION THROUGH SKIN INCREASES EXPOSURE. INHALATION: ANESTHETIC. RESPIRATORY TRACT IRRITATION, SERIOUS NERVOUS SYSTEM DEPRESSION. SWALLOWING: ABDOMINAL IRRITATION, NAUSEA, VOMITING, AND DIARRHEA.

Medical Cond Aggravated by Exposure: PERSONS WITH SEVERE SKIN, LIVER, OR KIDNEY PROBLEMS SHOULD AVOID USE.

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

First Aid: EYE CONTACT: FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST

15 MINUTES, LIFTING EYELIDS TO INSURE COMPLETE FLUSHING OF SURFACE. GET MEDICAL ATTENTION. SKIN CONTACT: WASH SKIN WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDRY BEFORE REUSE. (DISCARD CONTAMINATED SHOES). INHALATION: MOVE EXPOSED PERSON TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. IF BREATHING HAS STOPPED, GIVE ARTIFICIAL RESPIRATION. CALL A PHYSICIAN IMMEDIATELY.

SWALLOWING: IF SWALLOWED, CALL A PHYSICIAN IMMEDIATELY. DO NOT INDUCE VOMITING.

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

Flash Point Method: COC

Flash Point: >93.3C, 200.F

Autoignition Temp: Autoignition Temp Text: N/D

Lower Limits: N/D

Upper Limits: N/D

Extinguishing Media: WATER FOG, ALCOHOL FOAM, CARBON DIOXIDE(CO2), AND DRY CHEMICAL. DO NOT USE DIRECT SPRAY OF WATER.

Fire Fighting Procedures: WATER SPRAY MAY BE INEFFECTIVE BUT CAN PROTECT FIREFIGHTERS AND COOL CLOSED CONTAINERS. USE FOG NOZZLE IF WATER

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USED. DO NOT ENTER CONFINED FIRE SPACE WITHOUT FULL BUNKER GEAR, HELMET WITH FACESHIELD, BUNKER COAT, GLOVES, AND RUBBER BOOTS. USE NIOSH APPROVED POSITIVE PRESSURE SELF CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:SLIGHTLY COMBUSTIBLE! KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM OXIDIZERS, HEAT, AND OPEN FLAME. CLOSED CONTAINERS MAY EXPLODE IF EXPOSED TO EXTREME HEAT.

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

Spill Release

Procedures:STOP SPILL AT SOURCE. DIKE AREA AND CONTAIN.

CLEAN UP REMAINDER WITH ABSORBENT MATERIALS. MOP UP AND DISPOSE OF PROPERLY.

Neutralizing Agent:NOT RELEVANT.

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

Handling and Storage Precautions:STORAGE: STORE IN A COOL VENTILATED AREA BELOW 120F/49C. STORE LARGE AMOUNTS IN STRUCTURES MADE FOR OSHA CLASS III LIQUIDS. KEEP CONTAINER CLOSED. ISOLATE FROM OXIDIZERS, HEAT AND OPEN FLAME.

Other Precautions:

HANDLING: USE ONLY WITH ADEQUATE VENTILATION. AVOID BREATHING OF VAPOR OR SPRAY MIST. DO NOT GET IN EYES, ON SKIN, OR ON CLOTHING. AVOID FREE FALL OF LIQUID. GROUND CONTAINERS WHEN TRANSFERRING. DO NOT BRAZE, CUT, OR WELD AROUND CONTAINERS.

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

Respiratory Protection:IF OVER TLV, IN ACCORDANCE WITH 29 CFR 1910.134, USE NIOSH APPROVED POSITIVE PRESSURE, SELF-CONTAINED BREATHING APPARATUS.

Ventilation:VENTILATE

TO KEEP VAPORS BELOW 20 PPM. LOCAL EXHAUST IS NECESSARY. MECHANICAL IS ACCEPTABLE. USE EXPLOSION PROOF EQUIPMENT.

Protective Gloves:WEAR GLOVES IMPERVIOUS TO THIS MATERIAL.

Eye Protection:WEAR OSHA STANDARD GOGGLES OR FACE SHIELD. CONSULT SAFETY EQUIPMENT SUPPLIER.

Other Protective Equipment:WEAR APRON AND FOOTWEAR THAT ARE IMPERVIOUS TO THIS MATERIAL.

Work Hygienic Practices:WASH CLOTHING BEFORE REUSE.

Supplemental Safety and Health

ABBREVIATION: N/A=NOT APPLICABLE OR NOT AVAILABLE

LE. N/K=UNKNOWN. N/P=NOT PROVIDED. N/R=NOT RELEVANT. N/D=NOT DETERMINED. N/E=NOT ESTABLISHED.

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

HCC:V5  
Boiling Pt:B.P. Text:NOT DETERMINED  
Melt/Freeze Pt:M.P/F.P Text:NOT PROVIDED  
Decomp Temp:Decomp Text:NOT PROVIDED  
Vapor Pres:NOT DETERMINED  
Vapor Density:N/D  
Spec Gravity:1.062 (H2O=1)(8.84 LB/GL)  
VOC Grams/Liter:9.  
Viscosity:NOT PROVIDED  
Evaporation Rate & Reference:NOT PROVIDED  
Solubility in Water:SOLUBLE  
Appearance and Odor:CLEAR TO AMBER LIQUID; MILD ODOR.  
Percent Volatiles by Volume:NOT PROVIDED  
Corrosion Rate:NOT PROVIDED

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

Stability Indicator/Materials to Avoid:YES  
ISOLATE FROM STRONG OXIDIZERS SUCH AS PERMANGANATE, CHROMATE, AND PEROXIDES.  
Stability Condition to Avoid:ISOLATE FROM OXIDIZERS AND HIGH OXYGEN CONCENTRATIONS.  
Hazardous Decomposition Products:CARBON MONOXIDE AND/OR OXYGENATED HYDROCARBONS  
Conditions to Avoid Polymerization:WILL NO OCCUR.

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

Toxicological Information:ETHYLENE GLYCOL: LD50 (ORAL, RAT) 5840 MG/KG. LD50 (SKIN) 9530 MG/KG (RABBIT). THIS PRODUCT HAS NO CARCINOGENS LISTED BY IARC, NTP, NIOSH, OSHA, OR ACGIH, AS OF THIS DATE, GREATER OR EQUAL TO 0.1%.

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

Ecological:ETHYLENE GLYCOL, CAS# 107-21-1 IS AN EPA HAZARDOUS AIR POLLUTANT.

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

Waste Disposal Methods:RECYCLE OR DISPOSE OF ACCORDING TO LOCAL, STATE, AND FEDERAL HEALTH, SAFETY, AND POLLUTION REGULATIONS.

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

Transport Information:DOT SHIPPING NAME: DRUM: DOT 3 BRAKE FLUID: NOT REGULATED. BULK: DOT 3 BRAKE FLUID: NOT REGULATED.

===== Regulatory Information =====

SARA Title III Information:THIS PRODUCT CONTAINS THE FOLLOWING TOXIC

CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT TO KNOW ACT OF 1986 AND OF 40 CFR 372: CAS # 107- 21-1 (ETHYLENE GLYCOL) 20% WITH REPORTABLE QUANTITY (RQ): 5000 LBS. HEAVY GLYCOL ETHERS, 80% WITH REPORTABLE QUANTITY(RQ): NONE. SARA SECTION 311/312 HAZARDS: ACUTE HEALTH.

Federal Regulatory Information:ALL COMPONENTS OF THIS PRODUCT ARE ON THE TSCA LIST.

State Regulatory Information:C

ALIFORNIA PROPOSITION 65: THIS PRODUCT

DOES NOT CONTAIN ANY KNOWN CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER OR REPRODUCTIVE DAMAGE. THIS PRODUCT MEETS REQUIREMENTS OF SOUTHERN CALIFORNIA AQMD RULE 443.1 AND SIMILAR REGULATIONS

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

Disclaimer (provided with this information by the compiling agencies):

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