

THOMPSON AND FORMBY INC -- 20007;TRI-FLOW SUPERIOR LUBRICATION-AEROSOL -- 9150-01-160-4311

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

Product ID:20007;TRI-FLOW SUPERIOR LUBRICATION-AEROSOL

MSDS Date:07/01/1995

FSC:9150

NIIN:01-160-4311

MSDS Number: BYFGF

=== Responsible Party ===

Company Name:THOMPSON AND FORMBY INC

Address:825 CROSSOVER LN SUITE 240 BLDG C

City:MEMPHIS

State:TN

ZIP:38117-4934

Country:US

Info Phone Num:901-685-7555

Emergency Phone Num:800-228-5635 800-424-9300(CHEMTREC)

CAGE:63727

=== Contractor Identification ===

Company Name:THOMPSON AND FORMBY INC (CAGE CODE OBSOLETE)

Address:825 CROSSOVER LN SUITE 240 BLDG C

Box:City:MEMPHIS

State:TN

ZIP:38117-4934

Country:US

Phone:901-685-7555

CAGE:63727

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

Ingred Name:DIPROPYLENE GLYCOL METHYL ETHER

CAS:34590-94-8

RTECS #:JM1575000

Fraction by Wt: 2-3%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:S, 100 PPM

ACGIH TLV:S,100PPM/150 STEL;95

Ingred Name:MINERAL OIL, HYDROTREATED (MILD), HEAVY NAPHTHENIC
DISTILLATE, PETROLEUM

CAS:64742-52-5

RTECS #:PY8035000
Fraction by Wt: 1-5%
Other REC Limits:NONE RECOMMENDED

Ingred Name:MINERAL OIL
CAS:64742-53-6
RTECS #:PY8036000
Fraction by Wt: 1-6%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:5 MG/M3 (OIL MIST)
ACGIH TLV:5 MG/M3 (OIL MIST)

Ingred Name:MINERAL OIL, PETROLEUM DISTILLATES, SOLVENT DEWAXED
(SEVERE), HEAVY NAPHTHENIC
CAS:64742-63-8
RTECS #:PY8038001
Fraction by Wt: 15-20%
Other REC Limits:NONE RECOMMENDED

Ingred Name:MINERAL OIL, PETROLEUM DISTILLATE, SOLVENT DEWAXED (MILD),
HEAVY PARAFFINIC
CAS:64742-65-0
RTECS #:PY8038500
Fraction by Wt: 3-4%
Other REC Limits:NONE RECOMMENDED

Ingred Name:HEAVY NAPHTHA SOLVENT EXTRACT
CAS:64741-98-6
Fraction by Wt: 15-20%
Other REC Limits:NONE RECOMMENDED

Ingred Name:ISOBUTANE
CAS:75-28-5
RTECS #:TZ4300000
Fraction by Wt: 1-5%
Other REC Limits:NONE RECOMMENDED

Ingred Name:N-AMYL ACETATE (CERCLA)
CAS:628-63-7
RTECS #:AJ1925000
Fraction by Wt: 2-3%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:100 PPM

ACGIH TLV:100 PPM; 9495

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:BUTANE

CAS:106-97-8

RTECS #:EJ4200000

Fraction by Wt: 5-10%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:800 PPM

ACGIH TLV:800 PPM; 9495

Ingred Name:PROPANE

CAS:74-98-6

RTECS #:TX2275000

Fraction by Wt: 10-15%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1000 PPM

ACGIH TLV:ASPHYXIAN; 9495

Ingred Name:ALIPHATIC PETROLEUM DISTILLATE

CAS:64742-96-7

Fraction by Wt: 20-25%

Other REC Limits:NONE RECOMMENDED

Ingred Name:BARIUM SULFONATE

CAS:61790-48-5

RTECS #:CR0700000

Fraction by Wt: 1.7%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.5 MG/M3

ACGIH TLV:0.5 MG/M3

Ingred Name:BARIUM CARBONATE

CAS:513-77-9

RTECS #:CQ8600000

Fraction by Wt: .5%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5 MG BA/M3

ACGIH TLV:2 MG BA/M3

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

LD50 LC50 Mixture:TLV FOR OIL MIST IS 5MG/M3

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

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

Health Hazards Acute and Chronic:EYES:NO HAZARD EXPECTED.SKIN:MAY CAUSE IRRITATION.INGEST:MAY BE HARMFUL OR FATAL IF SWALLOWED.INHAL:MAY CAUSE RESPIRATORY IRRITATION.

Explanation of Carcinogenicity:THERE ARE NO INGREDIENTS ABOVE 0.1% WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP,IARC OR OSHA.

Effects of Overexposure:SKIN:IRRITATION.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH SOAP AND WATER.IF IRRITATION PERSIST,GET MEDICAL ATTENTION.EYES:FLUSH WITH WATER FOR 15 MINUTES.INHAL:REMOVE TO FRESH AIR.GIVE OXYGEN OR ARTIFICIAL RESPIRAT ION IF NEEDED.INGEST:DO NOT INDUCE VOMITING.GET PROMPT QUALIFIED MEDICAL ATTENTION.

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

Flash Point:158F,70C

Lower Limits:1.1

Upper Limits:14

Extinguishing Media:WATER SPRAY,DRY CHEMICAL,CARBON DIOXIDE,FOAM.DO NOT USE A DIRECT STREAM OF WATER;PRODUCT FLOATS AND CAN BE REIGNITED.

Fire Fighting Procedures:USE A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT.COOL FIRE EXPOSED CONTAINERS WITH WATER FOG.

Unusual Fire/Explosion Hazard:FIRE CONDITIONS MAY EVOLVE TOXIC FUMES.

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

Spill Release Procedures:ELIMINATE SOURCES OF IGNITION.USE PROPER RESPIRATORY AND PROTECTIVE EQUIPMENT.SHUT OFF LEAK IF SAFE.DIKE.SOAK UP WITH A NON-COMBUSTIBLE INERT ABSORBANT(CLAY,SAND);PLACE IN PROPER CONTAINER FOR DISPOSAL.WASH SPILL AREA TO REMOVE SLIPPINESS.

Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:STORE AT TEMPERATURES BELOW

120F.FOLLOW LABEL DIRECTIONS.

Other Precautions:KEEP OUT OF REACH OF CHILDREN.

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

Respiratory Protection:NOT NEEDED IN NORMAL SERVICE.

Ventilation:USE GENERAL DILUTION VENTILATION.

Protective Gloves:IMPERVIOUS GLOVES.

Eye Protection:NOT NEEDED IN NORMAL SERVICE.

Other Protective Equipment:PROVIDE A LOCAL EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices:WASH HANDS.SEPERATE WORK CLOTHES FROM STREET CLOTHES.LAUNDER WORK CLOTHES BEFORE REUSE.KEEP FOOD OUT OF THE WORK AREA.

Supplemental Safety and Health
NONE

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

HCC:V3

Boiling Pt:B.P. Text:-44F,-42C

Vapor Pres:3619

Vapor Density:4.8

Spec Gravity:0.78

Solubility in Water:INSOLUBLE

Appearance and Odor:AEROSOL.LIQUID IS BROWN;SOLVENT ODOR.

Percent Volatiles by Volume:48.32

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:HIGH HEAT ABOVE 120F,SOURCES OF IGNITION.

Hazardous Decomposition Products:CARBON DIOXIDE,CARBON MONOXIDE,HYDROCARBON FUMES.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH FEDERAL,STATE AND LOCAL REGULATIONS.

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