

FINISH THOMPSON INC -- BE SERIES AUTOMOTIVE REINHIBITOR I, RE4AFTH-1,RE4AFTH-55 --  
6850-01-387-4695

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

Product ID:BE SERIES AUTOMOTIVE REINHIBITOR I, RE4AFTH-1,RE4AFTH-55

MSDS Date:01/03/1994

FSC:6850

NIIN:01-387-4695

MSDS Number: CCVVP

=== Responsible Party ===

Company Name:FINISH THOMPSON INC

Address:921 GREENGARDEN RD

City:ERIE

State:PA

ZIP:16501-1591

Country:US

Info Phone Num:814-455-4478

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

Preparer's Name:R.L.LEWIS

CAGE:30255

=== Contractor Identification ===

Company Name:FINISH THOMPSON INC

Address:921 GREENGARDEN RD

Box:City:ERIE

State:PA

ZIP:16501-1591

Country:US

Phone:814-455-4478/800-942-5969

CAGE:30255

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

Ingred Name:ETHYLENE GLYCOL (SARA 313) (CERCLA) CONTAINS INGRED #2.

CAS:107-21-1

RTECS #:KW2975000

Fraction by Wt: 30-40%

Other REC Lim

its:NONE RECOMMENDED

ACGIH TLV:C STEL39PPM,A4,VAP96

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:DIETHYLENE GLYCOL CONTAINED IN INGRED #1.

CAS:111-46-6

RTECS #:ID5950000

Fraction by Wt: 0-8%

Other REC Limits:NONE RECOMMENDED

Ingred Name:SODIUM MERCAPTOBENZOTHIAZOLE

CAS:2492-26-4

RTECS #:DL6825000

Fraction by Wt: 1-6%

Other REC Limits:NONE RECOMMENDED

Ingred Name:SODIUM TETRABORATE, DECAHYDRATE

CAS:1303-96-4

RTECS #:VZ2275000

MG/M3  
ACGIH TLV:5 MG/M3; 9596

Ingred Name:SODIUM SILICATE  
CAS:1344-09-8  
Fraction by Wt: 1-5%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:1,H-BENZOTRIAZOLE (4 OR 5)-METHYL SODIUM SALT; (SODIUM  
TOLYTRIAZOLE)  
CAS:64665-57-2  
Fraction by Wt: 1-5%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:POTASSIUM HYDROXIDE (CERCLA)  
CAS:1310-58-3  
RTECS #:TT2100000  
Fraction by Wt: 9-11%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:C 2 MG/M3  
ACGIH TLV:C 2 MG/M3; 9596  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:NON-HAZARDOUS INGREDIENTS  
RTECS #:9999999ZZ  
Fraction by Wt: >1%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:WATER CONTAINED IN INGRED #9.  
CAS:7732-18-5  
RTECS #:ZC0110000  
Fraction by Wt: 30-60%  
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and

Chronic:INGEST:IMMED/SEVERE LIPS/TONGUE/ORAL  
MUCOSA/ESOPHAGUS BURNS,GI HEMORRHAGE/PERFORATION.ABD  
DISCOMFT,PAIN,NAU,VOMIT,DIZZ,MALAISE,BLUR  
VISION,IRRITABILITY.LUMBAR PAIN,OLIGURIA,UREMIA,CNS EFFECTS,CARDIAC  
FAILURE,PULM EDEMA,SEVERE KID DMG-FATAL,LIVER INJURY.INHAL:LUNG  
TISSUE DMG/DESTRUCT,PNEUOITIS,PULM EDEMA.SKIN:(SUPPLEME)  
Explanation of Carcinogenicity:PER MSDS:NONE OF THE INGREDIENTS IS LISTED  
AS CARCINOGEN OR POTENTIAL CARCINOGEN BY IARC/NTP/OSHA.

Effects of Overexpos

ure:MIST INHAL:CNS SYSTEME,DIZZ,NYSTAGMUS.CONSTANT  
USE RESULT IN SKIN CONTACT CAUSE SENS,DERM.IRREG EYE  
MOVEMENTS,CONSULSIONS,COMA,DIFFICULTY W/SWALLOWING,DELAYED RED SKIN  
RASH.HOARSENESS,DIFFICULT BREATH ,RESP  
DISTRESS,NAU,VOMIT,HEAD,DIZZ,IRREGEYE MOVEMENT.

Medical Cond Aggravated by Exposure:MAY AGGRAVATE EXISTING KIDNEY  
DISEASE.

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

First Aid:INHAL:DON'T INDUCE VOMIT.RINSE MOUTH;DRINK GLASSFUL OF  
MILK/W  
ATER.UNCONSC DON'T GIVE ANYTHING BY MOUTH.SKIN:REMOVE CONTAM  
CLOTH/SHOES.FLUSH W/COPIOUS AMTS OF WATER FOR @LEAST  
15MINS.INHAL:MOVE TO FRES H AIR.DIFFI BREATH GIVE OXY;STOP  
BREATHGIVE ART RESP.EYE:IMMED LFUSH W/COPIOUS OF WATER MIN OF  
30MINS.IN ALL CASES GET MED ATTN.DR:INGEST AVOID EMESIS  
INDUCTION.PRINCIPAL TOXIC EFFECTS-ETHYLENEGLYCOL

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

Flash Point Method:TOC

Flash Point:NONE THRU BOILPT

Autoignition Temp

:Autoignition Temp Text:N/DETR

Lower Limits:N/DETERMINED

Upper Limits:N/DETERMINED

Extinguishing Media:USE FOAM, CARBON DIOXIDE OR DRY CHEMICAL TO  
EXTINGUISH FIRE.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND  
FULL PROTECTIVE CLOTHING TO PREVENT CONTACT.

Unusual Fire/Explosion Hazard:NONE.

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

Spill Release Procedures:WEAR APPROPRIATE PPE FOR HNDLG CORR  
MATLS.CONTAIN W/RING OF NON-COMBUST ABSORBE

NT(VERMICULITE).DILUTE

W/EQUAL AMT OF WATER.CAREFULLY POUR MORE ABSORBENT,COLLECT IN CNTNR FOR CORR WASTE.CLS CNTNR SECUR ELY.REPORT PER CERCLA.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:CORRO.PREVENT EYE/SKIN/CLOTH CONTACT.IMMED REMOVE CONTAMIN CLOTH/LAUNDRER BEF REUSE.USE ONLY W/PROPER VENTILATION.WEAR PROPER PROT CLOTH WHEN HNDLG.

Other Precautions:DON'T BREATH VAP/MI  
ST GENERATED IN USING CHEMS.KEEP

TIGHTLY CLSD.DON'T STORE IN OPN/UNLABE CNTNR.STORE IN COOL WELL VENTI AREA AWAY FROM INCOMPATIBLE MATL.DON'T MIX CHEM DIRECTLY W/OTHER MATL.HAZ RX M AY OCCUR.USE ONLY AS DIRECTED.(SUPPLEME)

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

Respiratory Protection:NONE UNDER NORM USE CONDITION.OPERATIONS WHERE TLV EXCEEDED NIOSH/MSHA APPROVED RESP W/ORG VAP CARTRIDGE & DUST/MIST PRE-FILT OR SUPPLIED AIR RESP RECOMMENDED.EQPMT

SELECTION:CONTAM TYP,CONC,29CFR1910 .134,GOOD INDUST HYG  
PRAC.FIREFIGHT:SCBA

Ventilation:GEN VENTI ADEQUATE FOR NORMAL USE.OPERATIONS WHERE MATL HEAT/MISTED,TLV EXCEEDED FORCED VENTI(LOC EXHAU)NEEDED.

Protective Gloves:CHEM RESIST GLOVES,NEOPRENE,PVC COATED.

Eye Protection:SPLASH-PROOF CHEM SAF GOGG,FACESHIELD.

Other Protective Equipment:DO NOT WEAR CONTACT LENSES.PROTECTIVE CLOTH-APRON,COVERALL,BOOTS.WASHING/EYE FLUSHING FACILITIES IN IMMED WORKAREA.

Work Hygienic Practices

:CONTAMIN CLOTH SHOULD BE IMMED REMOVED & LAUNDERED BEFORE REUSE.WASH EXPO SKIN WELL W/SOAP/WATER AFT USE.

Supplemental Safety and Health

HEALTH HAZ:SEVERE IRRIT &/OR CHEM BURNS,TISSUE DESTRUCT.EYE:RAPID SEVERE IRRIT &/OR CHEM BURNS,TISSUE DESTRUCT,BLINDNESS. OTHER PRECAUT:FOLLOW ALL RECOMMENDED PRECAUT IN HNDLG EMPTY CNTNR;EMPTY IMMED REPLACE CAP/DISP PROPERLY;DON'T REUSE.DON'T CUT/PUNCT/ETC ON/NEAR CNTNR EVEN EMPTY.OBSERVE ALL PLANT,CO,GOVT REGS REQMTS

=====

Physical/Chemical Properties =====

HCC:B1

Boiling Pt:=113.3C, 236.F

Melt/Freeze Pt: