

RADIATOR SPECIALTY CO -- BRAKE CLEANER (AEROSOL) M7-20 -- 6850-01-167-0678

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

Product ID:BRAKE CLEANER (AEROSOL) M7-20

MSDS Date:04/01/1987

FSC:6850

NIIN:01-167-0678

MSDS Number: BGNP

=== Responsible Party ===

Company Name:RADIATOR SPECIALTY CO

Address:1400 W INDEPENDENCE

Box:34689

City:CHARLOTTE

State:NC

ZIP:28234

Country:US

Info Phone Num:704-377-6555

Emergency Phone Num:704-377-6555

Preparer's Name:I.LIEBMAN/T.DIRECTOR

CAGE:776

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=== Contractor Identification ===

Company Name:RADIATOR SPECIALTY COMPANY

Address:1900 WILKINSON BLVD.

Box:34689

City:CHARLOTTE

State:NC

ZIP:28208

Country:US

Phone:704-377-6555/303-623-5716

CAGE:77628

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

Ingred Name:METHYL CHLOROFORM (1,1,1-TRICHLOROETHANE) (SARA III)

CAS:71-55-6

RTECS #:KJ2975000

Fraction by Wt: 30-70%

OSHA PEL:350 PPM/450 STEL

ACGIH TLV:350 PPM/450 STEL;9192

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ozone De

pleting Chemical:1

Ingred Name:PERCHLOROETHYLENE (TETRACHLOROETHYLENE) (SARA III)
CAS:127-18-4
RTECS #:KX3850000
Fraction by Wt: 30-70%
OSHA PEL:100 PPM
ACGIH TLV:25PPM/100,A3 STEL;94
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

Ingred Name:CARBON DIOXIDE
CAS:124-38-9
RTECS #:FF6400000
Fraction by Wt: 1-3%
OSHA PEL:5000 PPM
ACGIH TLV:5000PPM/30000STEL;93

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES
Health Hazards Acute and Chronic:ACUTE:MAY IRRITATE EYES,SKIN,AND
RESPIRATORY TRACT DEFAT, DIZZINESS, HEADACHE, NARCOSIS. HARMFUL OR
FATAL IF/SWALLOWED CHRONIC:LIVER OR KIDNEY DAMAGE.
Explanation of Carcinogenicity:ANIMAL CARCINOGEN (PERCHLORO-ETHYLENE)
Effects of Overexposure:EYES:IRRITATION;CORNEA DAMAGE.
SKIN:DEFAT,DERMATITIS. INHALATION:DIZZINESS,HEADACHE,NARCOSIS,
INGESTION:HARMFUL OR FATAL IF SWALLOWED,CAN EFFECT LIVER OR
KIDNEYS.
Medical Cond
Aggravated by Exposure:PRE-EXISTING CONDITIONS MAY BE
WORSEN.

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

First Aid:EYES:FLUSH WITH WATER FOR AT LEAST 15 MINUTES.CALL A
PHYSICIAN SKIN:WASH WITH SOAP & WATER;REMOVE CONTAMINATED CLOTHES.
INHALATION:REMOVE TO FRESH AIR ;SEEK MEDICAL HELP. INGESTION:DO NOT
INDUCE VOMIT ING;CONSULT A PHYSICIAN AT ONCE.

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

Flash Point:NONE
Extinguishing Media

:FOAM,CO*2,DRY CHEMICAL

Fire Fighting Procedures:USE NIOSH/MSHA APPROVED SCBA IN AN ENCLOSED AREA.

Unusual Fire/Explosion Hazard:HCL,TOXIC PHOSGENE FUMES;CONTAINERS MAY BURST,RUPTURE,OR VENT.

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

Spill Release Procedures:USE PROPER PERSONAL PROTECTION;VENTILATE THE AREA;CONFINES SPILL;WIPE WITH RAGS AND COLLECT FOR PROPER DISPOSAL.

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

Handling and Storage

Precautions:STORE IN COOL DRY AND WELL VENTILATED AREA;KEEP AWAY FROM HEAT,ALKALIES,METAL POWDERS.DO NOT PUNCTURE OR INCINERATE

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

Respiratory Protection:NOT NEEDED IF THERE IS AN ADEQUATE VENTILATION.

Ventilation:LOCAL/GENERAL TO MAINTAIN AN ADEQUATE VENTILATION.

Protective Gloves:BUTYL RUBBER

Eye Protection:CHEMICAL GOGGLES

Other Protective Equipment:IMPERVIOUS CLOTHING(APRON;EYE WASH).

Work Hygienic Practices:AVOID C

ONTACT WITH SKIN AND EYES.DO NOT BREATHE

VAPORS.DO NOT EAT,DRINK AND SMOKE IN WORK AREA.

Supplemental Safety and Health

MSDS RECEIVED BY DGSC-SLM:MARCH 25,1988.

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

HCC:V2

Boiling Pt:B.P. Text:168F/76C

Spec Gravity:1.41

pH:6-7

Evaporation Rate & Reference:3.0 (BUTYL ACETATE=1)

Solubility in Water:NEGLIGIBLE

Appearance and Odor:COLORLESS VOLATILE LIQUID WITH CHARACTERISTIC ODOR

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid: YES
WATER, ALKALIES, FINELY DIVIDED METALS.
Stability Condition to Avoid: EXTREME HEAT
Hazardous Decomposition Products: HCL, PHOSGENE

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

Waste Disposal Methods: DISPOSE OF COLLECTED MATERIAL IN ACCORDANCE WITH
LOCAL, STATE & FEDERAL REGS.

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