

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

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Product Identification
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Product ID: BRAKE CLEANER (AEROSOL) M7-20

MSDS Date: 12/01/1993

FSC: 6850

NIIN: 01-167-0678

MSDS Number: BXHXX

=== Responsible Party ===

Company Name: RADIATOR SPECIALTY COMPANY

Address: 1400 W. INDEPENDENCE BLVD.

City: CHARLOTTE

State: NC

ZIP: 28208

Info Phone Num: 704-377-6555

Emergency Phon

e Num: 704-377-6555

CAGE: 77628

=== 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

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Composition/Information on Ingredients
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Ingred Name: PERCHLOROETHYLENE (TETRACHLOROETHYLENE) (SARA 313) (CERCLA)

CAS: 127-18-4

RTECS #: KX3850000

Fraction by Wt: 90-100%

Other REC Limits: NONE RECOMMENDED

OSHA PEL: 100 PPM, Z-2

ACGIH TLV: 25PPM

/100STEL,A3; 95
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

Ingred Name:METHYL CHLOROFORM (1,1,1-TRICHLOROETHANE) (SARA 313)
(CERCLA)
CAS:71-55-6
RTECS #:KJ2975000
Fraction by Wt: 1-5%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:350 PPM
ACGIH TLV:350 PPM/450STEL;9495
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS
Ozone Depleting Chemical:1

Ingred Name:CARBON DIOXIDE (PROPELLANT)
CAS:124-38-9
RTECS #:FF6400000
Fraction by Wt: 1-3%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:5000 PPM
ACGIH TLV:5000PPM/3
0000STEL;95

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===== Hazards Identification =====
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LD50 LC50 Mixture:(TLV OF PRODUCT 100PPM)
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO
Health Hazards Acute and Chronic:EYE:MAY CAUSE PAIN & TEMPORARY EYE
IRRIT. SKIN:DEFATTING,DERM ON PROLONGED EXPOSURE. INHAL:DIZZ,
HEADACHE, NARCOSIS. INGEST:HARMFUL OR FATAL IF SWALLOWED IN LARGE
AMTS. EXCESSIVE INGEST MAY CAUSE STOM ACH IRRIT, NAUSEA,
VOMITING,
CAN CAUSE LIVER DAMAGE & AFFECT KIDNEYS ADVERSELY.
Explanation of Carcinogenicity:PER MSDS:PRODUCT CONTAINS CHEM KNOWN TO
STATE OF CA TO CAUSE CANCER. PERCHLOROETHYLENE CARCINOGEN BY IARC.
Effects of Overexposure:EYE:PAIN, TEMP IRRIT. SKIN:DEFATTING,
DERMATITIS. INHAL:DIZZINESS, HEADACHE, NARCOSIS. INGEST:HARMFUL OR
FATAL IN LG AMTS. STOMACH IRRIT, NAUSEA, VOMTIING, LIVER DAMAGE &
AFFECT KIDNESY ADVERSELY.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUF

ACTURER.

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

First Aid:EYE:FLUSH W/WATER FOR 15MINS. CONSULT PHYSICIAN IMMEDIATELY IF IRRITATION PERSISTS. SKIN:WASH W/MILD SOAP & WATER. REMOVE ANY CONTAMINATED CLOTHING. INHALATION:REMOVE TO FRESH AIR. INGESTION:DO NOT INDUCE VOMITING. CONSULT DR IMMEDIATELY. NEVER GIVE ADRENALIN OR OTHER SYMPATHOMIMETIC DRUGS TO PERSONS OVEREXPOSED TO PERCHLOROETHYLENE.

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

Flash Point:NONE

Ext

Extinguishing Media:INGREDIENTS NON-FLAMMABLE. HOWEVER IF INVOLVED IN FIRE USE WATER FOG, CO2, DRY CHEMICAL.

Fire Fighting Procedures:WEAR SELF-CONTAINED +PRESSURE BREATHING APPARATUS & PROTECTIVE CLOTHING.COOL CONTAINERS BY WATER SPRAY. SHIELD PERSONNEL TO PROTECT FROM BLENDING, RUPTURING, BURSTING CONTAINERS

Unusual Fire/Explosion Hazard:CONTENTS UNDER PRESSURE.MAY EXPLODE WHEN HEATED.PROD VAPOR MAY PRESENT FUMES HELATH HAZARD IN POORLY VENTILATED AREAS.MAY LIBERATE CORROSIVE HYDROCHLORIC ACID/TOXIC PHOSGENE

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

Spill Release Procedures:VENTILATE AREA, CONFINE SPILL, WIPE UP W/RAGS, TRANSFER TO WASTE AREA.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN COOL, DRY AREA AWAY FROM INCOMPATIBILITIES ABOVE.

Other Precautions:DO NOT WEAR CONTACT LENSES WHILE USING MATERIAL. KEEP AWAY FROM CHILDREN. DO NOT PUNCTURE NOR INCINERATE CONTAINERS.

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

Respiratory Protection:NOT APPLICABLE FOR CONSUMER. BULK HANDLING(PROLONGED EXPOSURE):IF TLV IS EXCEEDED WEAR NIOSH APPROVED RESPIRATOR.

Ventilation:CONSUMER:USE WITH HIGH DEGREE OF VENTILATION. BULK HANDLING:GENERAL &/OR LOCAL HIGH VOLUME VENTILATION.

Protective Gloves:CONSUMER:N/A.BULK HANDLING:BUTYL RUBBER GLOVE

Eye Protection:CONSUMER:N/A.BULK HANDLING:GOGGLES,FACE SHIELD

Other Protective Equipment:CONSUMER

:N/A. BULK HNDLG: BUTYL RUBBER GLOVES
& APRON.

Work Hygienic Practices: ALLOW CONTAMIN CLOTH TO DRY IN WELL VENTILATED
AREA OR OUT-OF-DOOR.

Supplemental Safety and Health

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

HCC: V2

Boiling Pt: =120.C, 248.F

Vapor Pres: 14.2 @20C

Vapor Density: 5.7

Spec Gravity: 1.61

Evaporation Rate & Reference: 1.66, (N-BUTYL ACETATE=1)

Solubility in Water: INSOLUBLE.

Appearance and Odor: COLORLESS VOLATILE LIQUID WITH ETHER-LIKE ODOR.

Perce

nt Volatiles by Volume: 100

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

Stability Indicator/Materials to Avoid: YES

WATER, ALKALIES, POWDERED METALS (ESP

ZN), ALUMINUM, AMINES. SPARKS/FLAMES/ELECTRIC ARCS &/OR HOT METAL
SURFACES.

Stability Condition to Avoid: AVOID PROLONGED STORAGE IN OR CONTACT

W/ALUMINUM OR ITS ALLOYS. SPARKS/FLAMES/ELECTRIC ARCS &/OR HOT
METAL SURFACES.

Hazardous Decomposition Products: IN PRESENCE OF WATER: HYDROCHLORIC
ACID. IGN SOURCE/HOT

METAL SOURCES: PHOSGENE, CHLORINE. FLAME/WELD/HI
TEMP INDUCE DECOMPO.

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

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE
GOVERNMENT LAWS & REGULATIONS.

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