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SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER NAME: RADIATOR SPECIALTY COMPANY
ADDRESS: 600 RADIATOR ROAD
MSDS Manufacturer Number: M715
ISSUED: 09/30/2008
SUPERSEDES: 01/12/2006
PRODUCT NAME: NON-CHLORINATED BRAKE CLEANER (UPC: 078698130774) (AAP SKU: 7040036)
TRADE NAME: NON-CHLORINATED BRAKE CLEANER (UPC: 078698130774) (AAP SKU: 7040036)
Product Information: 704-684--1811
EMERGENCY PHONE: 303-623-5716

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name	CAS#	Ingredient Percent
2-Propanone	67-64-1	40.0 - 70.0 by Weight
Heptane	142-82-5	10.0 - 30.0 by Weight
Methanol	67-56-1	10.0 - 30.0 by Weight
Propane	74-98-6	7.0 - 13.0 by Weight

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Danger: Extremely Flammable. Liquid and Vapor may cause a Flash Fire. Poison, Harmful or fatal if swallowed. Vapor harmful. Eye and skin irritant. Contents under pressure. Level 3 Aerosol

PHYSICAL HAZARDS: See signs & symptoms below

POTENTIAL ENVIRONMENTAL EFFECTS: Not Available

ROUTES OF ENTRY: Inhalation, eye/skin contact

EYE CONTACT: Irritant. Prolonged contact may cause conjunctivitis.

SKIN CONTACT: Irritant. Defatting of tissue, dermatitis may occur.

INHALATION: Irritant to mucous membranes. Repeated exposure may cause narcosis..

INGESTION: HARMFUL OR FATAL IF SWALLOWED. May cause burns to mouth, throat & stomach.

AGGRAVATION OF CONDITIONS: Pre-existing conditions, see other health warnings.

OTHER HEALTH HAZARD INFORMATION: Vomiting and subsequent aspiration into the lungs may lead to chemical pneumonia and pulmonary edema which is a potentially fatal condition. Inhalation of high concentrations, as could occur in enclosed spaces or during deliberate abuse, may be associated with cardiac arrhythmias. Sympathomethic drugs may initiate cardiac arrhythmias in persons exposed. This material contains a substance(s) that is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity when deciding whether to induce vomiting. Pre-existing disorders of the following organs (or organ systems) may be aggravated by exposure to this material: skin, lung, kidney, auditory system. Individuals with pre-existing heart disorders may be more susceptible to arrhythmias if exposed.

SECTION 4 - FIRST AID MEASURES

EYE CONTACT: Flush eyes with clean water for 15 minutes while lifting eyelids. Get prompt medical attention.

SKIN CONTACT: Wash with soap and water thoroughly. If adverse effects persist, get prompt medical attention. Launder contaminated clothing before reuse.

INHALATION: Remove to fresh air. If breathing becomes difficult give oxygen and get prompt medical attention.

INGESTION: DO NOT INDUCE VOMITING! Call Poison Control Center, physician, or hospital emergency room immediately.

NOTE TO PHYSICIANS: N/D

SECTION 5 - FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Water Fog, Foam, Carbon Dioxide, Dry Chemical

UNSUITABLE MEDIA: Do not use forced water stream as this could cause the fire to spread. Use shield to protect from venting, rupturing, and venting containers.

HAZARDOUS COMBUSTION PRODUCTS: Carbon dioxide, carbon monoxide, and hydrocarbons. .

PROTECTIVE EQUIPMENT: Wear self-contained positive pressure breathing apparatus and protective clothes. Use shield to protect from rupturing and venting containers. At elevated temperatures containers may vent, rupture or burst, even violently

SECTION 6 - ACCIDENTAL RELEASE MEASURES

PERSONNEL PRECAUTIONS: Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.

ENVIRONMENTAL DATA: Prevent run-off to sewers, streams, or other bodies of water. If run-off occurs, notify proper authorities as required that a spill has occurred.

Containment Procedures:	Run off to sewer may create fire or explosion hazard. Dike or contain spill and absorb with inert materials (sand, sawdust, absorbent sweeping compounds, rags, etc).
SPILL CLEAN UP MEASURES:	Using a non-metallic scoop, place contaminated material into an approved chemical waste container. Where possible, vacuum spilled liquid using an explosion proof vacuum to recover material.
Additional information:	Prevent run-off to sewers, streams, or other bodies of water. If run-off occurs, notify proper authorities as required that a spill has occurred.

SECTION 7 - HANDLING and STORAGE

HANDLING:	Use with adequate ventilation and proper protective equipment. Do not use or store near fire, sparks, or open flame. Do not puncture or incinerate container. Exposure to temperatures above 120 deg may cause container to vent, rupture, or burst. Concentrate is a poison and can not be made non-poison.
STORAGE:	Avoid contact with eyes. Avoid prolonged or repeated breathing of vapors. If exposure exceed occupational exposure limits, use a NIOSH approved respirator to prevent over-exposure.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION - EXPOSURE GUIDELINES

ENGINEERING CONTROLS:	See Section above for applicable exposure limits. Maintain adequate ventilation. Avoid breathing vapors. In restricted areas, use approved chemical/mechanical filters designed to remove a combination of particles and vapor. In confined areas, use approved air line type respirator or hood. A self-contained breathing apparatus is required for vapor concentrations above TLV limits.
Personal protective equipment:	For prolonged exposure wear protective safety glasses, gloves, and apron.
Ingredient:	2-Propanone
OSHA PEL (TWA):	1000 ppm
ACGIH TLV - TWA:	750 ppm
OTHER:	Not Available
Ingredient:	Propane
OSHA PEL (TWA):	N/E
ACGIH TLV - TWA:	1000 ppm
OTHER:	Not Available
Ingredient:	Heptane
OSHA PEL (TWA):	500 ppm
ACGIH TLV - TWA:	400 ppm
OTHER:	Not Available
Ingredient:	Methanol
OSHA PEL (TWA):	200 PPM
ACGIH TLV - TWA:	200 PPM
OTHER:	Not Available

SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

BOILING POINT:	<100 deg F
SOLUBILITY IN WATER:	very slight
ODOR THRESHOLD:	Not Available
Vapor Density (Air = 1):	N. D. (AIR = 1)
pH:	Not Available
DECOMPOSITION TEMPERATURE:	Not Available
SPECIFIC GRAVITY:	0.76 (H2O = 1)
Additional information:	N/D
Flash Point:	- 10 deg F
Flammable Limits - LEL:	2.2
MELTING POINT:	N/A
FREEZING POINT:	Not Available
Evaporation Rate (but.ace.=1):	>1 (Butyl Acetate = 1)
APPEARANCE AND ODOR:	Clear liquid spray with hydrocarbon odor
Vapor Pressure (mmHg):	N/D (mm Hg.)
Coefficient of water/oil distribution:	Not Available
Autoignition temperature:	Not Available
Flammable Limits - UEL:	9.5

SECTION 10 - STABILITY and REACTIVITY

STABILITY:	Product is stable.
CONDITIONS TO AVOID:	See Incompatible Materials below.
INCOMPATIBLE MATERIALS:	Avoid contact with strong oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon dioxide, carbon monoxide, and hydrocarbons.
DANGEROUS REACTIONS:	Will not occur

SECTION 11 - TOXICOLOGICAL INFORMATION

Toxicological Information:	N/D
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SECTION 12 - ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION:	N/D
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SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:	DISPOSAL: This container may be recycled in aerosol recycling centers
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when empty. Before offering for recycling, empty the can by using the product according to the label. **DO NOT PUNCTURE!** If recycling is not available, wrap the container and discard in the trash. Dispose of unused product in accordance with all local, state government and federal laws and regulations.

SECTION 14 - TRANSPORT INFORMATION

DOT Proper shipping name:	Not Available
DOT Hazard class:	Not Available
UN NUMBER:	Not Available
Packing Group:	Not Available
DOT Subsidiary Hazards:	Not Available
DOT Proper shipping name:	Consumer Commodity
DOT Hazard class:	ORM-D
DOT:	The DOT description is provided to assist in the proper shipping classification of this product and may not be suitable for international and air shipping purposes.
IATA UN Number:	UN1950
IATA Proper shipping name:	Aerosols
IATA Class:	2.1
IMDG UN Number:	UN1950
IMDG Class:	2.1
EMS Number:	F-D, S-U
IMDG Proper shipping name:	Aerosols

SECTION 15 - REGULATORY INFORMATION

SECTION 313:	Methanol 67-56-1
TSCA INVENTORY STATUS:	All components of this material are listed on the US TSCA Inventory. This fuel additive is registered in the United States
Additional warning phrases:	This product contains a chemical known to the State of California to cause cancer or birth defects or other reproductive harm. State RTK Chemicals Acetone 67-64-1 Methanol 67-56-1 Heptane 142-82-5

SECTION 16 - ADDITIONAL INFORMATION

ABBREVIATIONS:	N/E: Not Established N/D: Not Determined N/A: Not Applicable N/AV: Not Available
NFPA - FIRE:	4
NFPA - HEALTH:	2
NFPA - REACTIVITY:	0
HMIS - HEALTH:	2
HMIS - FLAMMABILITY:	4
HMIS - REACTIVITY:	0
HMIS - PERSONAL PROTECTION:	H
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