

SAFETY DATA SHEET**SECTION 1: IDENTIFICATION**PRODUCT NAME: **McKay Radiator Cleaner**PRODUCT NUMBER: **50814** Medical Emergency: 1-800-633-9576 (8AM-5PM central time)

CAS NUMBER: Mixture See Section 3. INFOTRAC: 1-800-535-5053

PRODUCT FAMILY: Automotive After Market

SECTION 2: HAZARD IDENTIFICATIONEmergency Overview**DANGER**Health Hazards

Acute Toxicity; Oral	Category 4
Specific target organ toxicity, single exposure;	Category 3
Respiratory tract irritation	
Skin Corrosion/Irritation	Category 1
Serious eye damage/ eye irritation	Category 1

Physical Hazards

Corrosive to metals	Category 1
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Precautionary Statements:

P233	Keep container tightly closed
P235+P403	Store in a cool dry place
P261	Avoid breathing in dust
P262	Do not get in eyes, on skin or on clothing
P264	Wash hands thoroughly after handling
P281	Use personal protective equipment as required

Hazard Statements:

H290	May be corrosive to metals
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H335	May cause respiratory irritation

Routes of Entry **Dermal, Oral, and Inhalation**Acute Effects:

Eyes	Causes severe burns that may cause permanent eye damage.
Skin	Causes severe irritation to burns depending upon duration of contact.
Inhalation	May cause nose, throat and lung irritation.
Ingestion	May cause nausea, vomiting, diarrhea, and gastrointestinal damage.

SECTION 3: COMPOSITION

COMPONENT NAME(S)	CAS NO	CONCENTRATION (%)
Sodium Metasilicate pentahydrate	10213-79-3	<45
Sodium Tripolyphosphate	7758-29-4	<25

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SECTION 4: FIRST AID MEASURES

Eye Contact Flush immediately with plenty of clean water for 15 minutes. Seek immediate medical attention.
Skin Contact Flush immediately with plenty of clean water. Seek medical attention if a rash occurs or if irritation persists.
Inhalation Remove to fresh air. Begin CPR if breathing has stopped and seek immediate medical attention.
Ingestion Do not induce vomiting. Give several glasses of water. Never give anything to an unconscious person orally. Seek immediate medical attention.

SECTION 5: FIRE FIGHTING MEASURES

National Fire Protection Association (U.S.A)
(estimated rating)



Hazardous Combustion Products None
Extinguishing Media Media applicable for surrounding fire
Unsuitable Extinguishing Media N/A
Fire Fighting Procedures Wear protective gear. Use water spray to cool fire-exposed containers.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Spill Clean Up All spilled material must be contained and kept out of waterways, sewers and drains. The spilled chemical should be absorbed with an inert material. Flush cleaned area thoroughly with water.

SECTION 7: HANDLING AND STORAGE

Handling and Storage Store in a cool dry place. Keep away from incompatibilities. Keep container tightly closed when not in use. Keep out of the reach of children. Have eyewash accessible in handling area.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

Product Name	OSHA PEL	NIOSH REL	AIHA WEEL	ACGIH TLV
None				

Engineering Controls Use in a well-ventilated area.



Personal Protective Equipment (PPE)

Eyes Safety glasses or chemical splash goggles
Body Rubber or neoprene gloves
Respiratory Not required

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid	Explosive Limits	N/A
Color	White	Vapor Pressure	N/A
Odor	Characteristic odor	Vapor Density	N/A
Odor Threshold	N/A	Relative Density	N/A
pH 1%	11-12	Solubility	Complete
Freezing Point	N/A	Partition Coefficient	N/A

Boiling Point	N/A	Auto-Ignition Temp.	N/A
Flash Point	Not combustible	Decomposition Temp.	N/A
Evaporation Rate	N/A	Viscosity	N/A
Flammability	Non-Flammable	Specific Gravity	N/A

SECTION 10: STABILITY AND REACTIVITY

Stability and Reactivity	Stable
Incompatibility	May cause corrosion to aluminum, tin, zinc, copper and their alloys. Strong acids and oxidizers.
Hazardous Polymerization	Will not occur
Hazardous Decomposition Products	None known
Conditions to Avoid	None

SECTION 11: TOXICOLOGICAL INFORMATION

Routes of Entry	Dermal, oral and inhalation
Symptoms	Irritation to burns
Skin Irritant	Yes
Eye Irritant	Yes
Sensitizers	Not determined
Mutagenicity	No information found
Carcinogenicity	None
Reproductive Toxicity	No information found
Target Organs	See section 2

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There is no toxicological data for this product as a whole. Based on relevant ingredients with known acute toxicity, the acute toxicity estimate using the additive formula (ATE) has been determined.

Acute Toxicity

Test	Results	Basis
Dermal	4,562mg/kg	ATE determined
Oral	1,807mg/kg	ATE determined Category 4
Inhalation	No data	

SECTION 12: ECOLOGICAL INFORMATION

Environmental Effects No ecological information available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Information Dispose of in accordance with all Federal, State and Local pollution control regulations.

SECTION 14: TRANSPORT INFORMATION

Regulatory Information	UN number	Proper Shipping Name	Classes	Packaging Group	Label Code
DOT Classification	UN3253	Disodium Trioxosilicate Mixture	8	PGIII	Corrosive

Note: DOT Classification applies to most packaging sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.

SECTION 15: REGULATORY INFORMATION

US Federal Regulations The following substances are listed as a toxic chemical and are subject to report under the SARA act Section 313: None

The following substances have CERCLA reportable quantity values (in pounds):

State Regulations None **Sodium Tripolyphosphate** **7758-29-4** **5,000**

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SECTION 16: OTHER INFORMATION

REVISION INFORMATION

VERSION NUMBER: 1.0001 (Revised format, original 04/29/2002)

REVISION DATE: 8/19/2013, 5/26/2015

PRINT DATE:

ABBREVIATIONS:

N/A: Not Applicable

N/D: Not Determined

NE: Not Established

IARC: International Agency for Research on Cancer

ACGIH: American Conference of Governmental Industrial Hygienists

OSHA: Occupational Safety and Health Administration

HMIS: Hazardous Materials Information System NFPA: National Fire Protection Association

EPA: US Environmental Protection Agency

NIOSH: National Institute of Occupational Safety and Health

DISCLAIMER OF LIABILITY:

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