

Safety Data Sheet (SDS) AMMCO BRAKE WASH CONCENTRATE

SDS Version: Original Issue Date: November 16, 2015

Supersedes MSDS: September 4, 2014

Section 1: IDENTIFICATION

Product Name: AMMCO BRAKE WASH CONCENTRATE
Manufactured Name: Enviro-Kleen Industrial Brake Wash Cleaner
Manufacturer's Part Number: Please refer to Section 16

Recommended Use: Low Foaming Cleaner/Degreaser designed for use in brake washers

Company: Coastline, Inc.
Toledo, OH 43605
Manufactured for BADA Division/Hennessy Industries, Bowling Green, KY
Emergency Phone: 800-553-3644

Section 2: HAZARDS IDENTIFICATION

Emergency Overview: CAUTION. IRRITANT. This is a clear liquid with a clean odor.

NFPA/HMIS Rating:

Health = 2 =
Flammability and Special =0=
Reactivity =1=

Potential Health Effects:

Eye Contact: Mildly irritating.
Skin Contact: No adverse effects expected under typical use conditions. Prolonged exposure may cause dryness. Chemically sensitive individuals may experience mild irritation.
Ingestion: May cause stomach or intestinal irritation if swallowed.
Inhalation: No adverse effects expected under typical use conditions. Adequate ventilation should be present for prolonged usages in small, enclosed areas.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>CAS Number</u>	<u>Percent Range</u>
Water	7732-18-5	<75
Sodium Metasilicate	6834-92-0	<10
Potassium Hydroxide	1310-58-03	<20
Sodium Nitrite	7632-00-0	<1

Section 4: FIRST AID MEASURES

Alkaline Product:

If Inhaled: Not expected to cause respiratory Inhalation. If adverse effect occurs, move to fresh air
If on Skin: If adverse effect occurs, rinse skin with water.
If in Eyes: Flush with plenty of water. After 5 minutes of flushing, remove contact lenses, if present. Continue flushing for at least 10 more minutes. If irritation persists seek medical attention.
If Ingested: May cause upset stomach. Drink plenty of water to dilute.

Section 5: FIRE-FIGHTING MEASURES

Non-Flammable

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Section 6: ACCIDENTIAL RELEASE MEASURES

Personal Precautions: Protective Gloves Rubber or Nitrile suggested.

Eye Protection: Safety Glasses or Goggles suggested.

Methods and Materials for Containment and Clean Up: Absorb with inert absorbent, put into container for proper disposal.

Section 7: HANDLING AND STORAGE

Precautions for Safe Handling: Do not store in aluminum or copper container. Keep drum closed. Do not mix or contaminate with any other chemical.

Storage: Keep container tightly closed. If separation occurs, mix the product for reconstitution.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limit Values: No components listed with TWO or STEL values under OSHA or ACGIH
Appropriate Engineering Controls: Not applicable.

Individual Protection Measures/Personal Protective Equipment (PPE):

Eye Contact: Use protective glasses or safety goggles if splashing or spray-back is likely

Respiratory: Use in well-ventilated areas or with local exhaust ventilation

Skin Contact: Use protective Rubber or Nitrile gloves

General Hygiene Considerations: Wash thoroughly after handling and before eating or drinking.

Section 9: PHYSICAL AND PROPERTIES CHEMICAL

Appearance: Clear Liquid

Boiling Point: ASTM D-1120: 214° F/102 °C

Freezing Point: 32-38°F/ 0-3.33C

Specific Gravity: 1.08

Evaporation Rate: Not applicable

Vapor Density: Not determined

pH: 13.8

VOCs: 0.0%

Nutrient Content: Phosphorous: 0.0%

Odor: None

Flash Point: ASTM D-93: >212° F

Flammability: Non-flammable

Autoignition: Temperature: Not applicable

Decomposition: Temperature: Not determined

Water Solubility: 100 %

Partial Coefficient: Not available

Section 10 STABILITY AND REACTIVITY

Reactivity: Non-reactive.

Chemical Stability: Stable under normal conditions 70 F and 14.7 psig

Conditions to Avoid: Addition of strong acids, extreme heat and cold.

Incompatibility (material to avoid): Avoid cleaning non-ferrous metals like aluminum, brass, copper magnesium, titanium, zinc, etc. All plated parts should be test cleaned for possible chemical reactions.

Hazardous Decomposition Products: Normal products of combustions – CO, CO2.

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Section 11 TOXICOLOGICAL INFORMATION

Skin Corrosion/Irritation:	Minimal irritant
Eye Damage:	Minimal irritant
Germ Cell Mutagenicity:	No ingredients trigger or classify under this category.
Carcinogenicity:	No ingredients trigger or classify under this category.
Reproductive toxicity:	No ingredients trigger or classify under this category.
STOT-Single exposure:	No ingredients trigger or classify under this category.
STOT-repeated exposure:	No ingredients trigger or classify under this category.
Aspiration hazard:	No ingredients trigger or classify under this category.

Likely routes of exposure:

- Inhalation – Overexposure may cause headache.
- Skin contact – May cause irritation
- Eye contact – May cause minimal eye irritation
- Ingestion – May cause upset stomach

Symptoms related to the physical, chemical and toxicological characteristics: no symptoms expected under typical use conditions.

Delayed and immediate effects and or chronic effects for short-term exposure; no symptoms expected under typical use conditions.

Delayed and immediate effects and or chronic effects for long-term exposure: headache, dry skin, or skin irritation may occur.

Interactive effects: Not known.

Section 12: ECOLOGICAL INFORMATION

Toxicity: Aquatic Toxicity – Low

Persistence and Degradability: Readily Biodegradable

Mobility: No data available.

Bioaccumulation: Not applicable.

Section 13: DISPOSAL CONSIDERATIONS

Unused or Used liquid: May be considered hazardous in your area depending on usage and tonnage of disposal – check with local, regional, and or national regulations for appropriate methods of disposal

Empty Containers: May be recycled

Never dispose of used degreasing rinsates into lakes, streams, and open bodies of water or storm drains

Section 14: TRANSPORT INFORMATION

U.N. Number: UN 1814

Hazard Class/Division: 8

Labeling Requirements: 8

Proper Shipping Name: Potassium Hydroxide, solution

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Section 15: REGULATORY INFORMATION

All components are listed on: TSCA and DSL Inventory.

SARA Title 111: Sections 311/312 – not applicable.
Sections 313 – Not applicable.
Sections 302 – Not applicable.

State Right To Know Lists – No ingredients listed.

Section 16: OTHER INFORMATION

PART NUMBER: SIZE:

6297101	Quart bottle packaged 1 per box
6297106	Quart bottles packaged 6/box

NFPA:

Health – 2
Flammability – Non-Flammable
Reactivity – 1
Special – None

Prepared/Revised by: Coastline, Inc.

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