

SAFETY DATA SHEET



SECTION 1: IDENTIFICATION

COMPANY NAME:	AMERICAN INDUSTRIES, INC.	PRODUCT NAME:	B-TEK
ADDRESS LINE 1:	4300 Kahn Drive, Box 1405	PRODUCT CODE:	2405
ADDRESS LINE 2:	Lumberton, NC 28359-1405 USA	PRODUCT USE:	Battery Cleaner and Neutralizer
TELEPHONE NUMBERS:	800-753-5153 (or) 910-738-7224	SDS FILE ID:	2405.02
EMERGENCY PHONE:	CHEMTREC 1-800-424-9300	SDS DATE:	2015-06-01

REPLACES MSDS VERSION DATED: 2012-12-03 and all prior revisions

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification:

Skin irritation	2
Eye irritation	2A
Corrosive to metals	1

Label elements



Signal word: **WARNING**

Hazard statements:
Causes skin irritation.
Causes eye irritation.
May be corrosive to metals

Precautionary statements:

Keep only in original container.
Store in corrosive resistant container with inner liner.
Absorb spillage to prevent material damage.
Wash hands thoroughly after handling.
IF ON SKIN: Wash with soap and water.
Take off contaminated clothing and wash before reuse.
Wear protective gloves.
Wear eye protection such as goggles or safety glasses with side shields.
If in eyes: Rinse cautiously with water for 15 minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists get medical advice/attention.
Do not eat, drink or smoke when using this product.
If swallowed: Immediately call a poison center/physician, Rinse mouth.
Dispose of contents/container in accordance with local State, federal or international regulations.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical name</u>	<u>CAS number</u>	<u>%</u>
Sodium Carbonate	497-19-8	<5
Phosphoric acid	7664-38-2	<1
Surfactant Blend	Trade secret	<5
Potassium hydroxide	1310-58-3	10-30
2-Hydroxyethanoic acid	79-14-1	<1
Terpene hydrocarbons	8028-48-6	<1
Dipropylene glycol methyl ether	34590-94-8	<5

Note: The exact concentrations of the chemical(s) above are being withheld as a trade secret.

SECTION 4: FIRST AID MEASURES

Inhalation	If inhaled, remove victim to fresh air and keep at rest. Call a [poison center or physician if you feel unwell.
Skin contact	Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs get medical advice/attention.

Eye contact	If product gets in eyes flush with water for at least 15 minutes. If eye irritation persists seek medical advice/attention.
Ingestion	Do NOT induce vomiting unless instructed by medical personal. Never give anything by mouth to an unconscious person. Get medical attention.
Effects and symptoms:	
Ingestion	May cause gastrointestinal irritation, nausea, vomiting, diarrhea and burns to the mouth, throat and esophagus.
Skin Contact	May cause skin irritation or burns.
Eye contact	May cause eye irritation or burns.
Indication of immediate medical attention and special treatment needed	Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing media	Water fog, carbon dioxide, dry chemical, foam.
Unsuitable extinguishing media	Not available.
Hazardous combustion products	Carbon oxides, other unidentified organic compounds.
Special exposure hazards	None known.
Special protective equipment	Firefighters should wear proper protective equipment (Bunker gear) and self-contained breathing apparatus with full face operated in positive pressure mode.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautionary Measures: All persons dealing with the clean-up should the appropriate chemically protective equipment. Keep people away from and upwind of spill/leak. Restrict access to area until completion of clean-up.

Methods and Materials for Containment and Cleanup: Do not allow material to contaminate ground water system. If necessary, dike well ahead of the spill to prevent run-off into drains, sewers, or any natural waterway or drinking supply. Ventilate the area. Scoop up material and place into suitable container(s). Dispose of according to local, state and federal regulations

SECTION 7: HANDLING AND STORAGE

Handling	Obtain special instructions before use. Do not handle until all safety precautions have been read and understand. Wear protective gloves and eye/face protection. Adequate ventilation should be supplied. Avoid contact with skin, eyes and clothing. Keep away from heat. Keep container tightly closed.
Storage	Store in cool, dry and well ventilated place. Containers should be clearly identified, clear of obstructions and accessible only to authorized personnel. Protect from sunlight. Have appropriate fire extinguishers/sprinkler system in place. Spill clean-up equipment should be in or near storage area
Incompatible materials	Strong oxidizer, strong acids.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits		
Chemical Name	ACGIH-TLV	OSHA-PEL
Sodium Carbonate	2mg/m ³	2 mg/m ³
Phosphoric acid	1.0mg/m ³	1.0mg/m ³
Surfactant Blend	Not available	Not available
Potassium hydroxide	2mg/m ³	2mg/m ³
2-Hydroxyethanoic acid	25mg/m ³	25mg/m ³
Terpene hydrocarbons	30ppm	300ppm
Dipropylene glycol methyl ether	100ppm	100ppm
Exposure controls		

Ventilation	Use in well ventilated area. Apply technical measures to comply with occupational exposure limits if needed.
Respirators	If airborne concentrations are above the permissible exposure limit use NIOSH approved respirators
Skin Protection	Wear protective gloves. Where extensive exposure to the product is possible, use resistant apron/suit and boots.
Eye/face protection	Goggles or safety glasses with side shields.
Other protective equipment	Ensure that eyewash stations and a safety shower are close to the workstation(s).
General hygiene considerations	Avoid contact with eyes, skin and clothing. Do not eat, drink or smoke when using this product. Wash hands after handling. Remove and wash all contaminated clothing before re-use. Handle in accordance with good industrial hygiene and safety practice.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear orange liquid
Odor	Mild orange odor
Odor threshold	Not available
pH	13.8
Melting point/freezing point	~-3°C (26.6°F)
Boiling point	100°C (212°F)
Flash point	>93.3°C (199.4°F)
Evaporation rate (Butyl Acetate=1)	Not available
Flammability	Not available
Lower flammability limit	Not available
Upper flammability limit	Not available
Vapor pressure	Not available
Vapor density	Not available
Relative density	1.3
Solubility in water	Complete
Partition Coefficient	Not available
Auto-ignition temperature	Not available
Decomposition Temperature	Not available
Viscosity	Not available
Volatiles (% by wt)	~1.0
Volatile organic compounds	Terpene hydrocarbons, Dipropylene glycol methyl ether
Other physical/chemical comments	No additional information

SECTION 10: STABILITY AND REACTIVITY

Chemical stability	Stable under normal conditions
Conditions to avoid	Heat. Contact with incompatible materials
Materials to avoid	Strong oxidizers, strong acids.
Reactivity	Not normally reactive.
Hazardous decomposition	Carbon oxides.
Hazardous polymerization	Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

Information on routes of exposure:

Inhalation: Yes

Skin & Eyes: Yes

Ingestion: Yes

Skin Absorption: Yes

Potential Health Effects

Ingestion	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Inhalation	May cause respiratory irritation. May cause headache, nausea, dizziness and other symptoms of central nervous system depression.
Skin Contact	May cause burns or irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin.
Eye Contact	May cause severe irritation or damage.
Potential chronic health effects	None known.
Mutagenicity	Not hazardous by OSHA/WHMIS criteria.
Carcinogenicity	Not considered a carcinogen according to NTP, IARC, or OSHA.
Reproductive effects	Not hazardous by OSHA/WHMIS criteria.
Sensitization to material	No data available to indicate product may be a sensitizer.
Target organ effects	Not available
Medical conditions aggravated by overexposure	Pre-existing skin and eye conditions.
Toxicological data	The calculated ATE value for this mixture is well above classification parameters.

Chemical Name	LD50-Oral	Dermal
Sodium Carbonate	4090mg/kg (rat)	Not Available
Phosphoric acid	Not Available	Not Available
Surfactant blend	Not Available	Not Available
Potassium hydroxide	365mg/kg (rat)	Irritant
2-Hydroxyethanoic acid	Not Available	Not Available
Terpene hydrocarbons	>5000mg/kg (rat)	Not Available
Dipropylene glycol methyl ether	>5000mg/kg (rat)	Not Available

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	No data available on the product itself.
Persistence and Degradability	This product itself has not been tested.
Bio-accumulative potential	This product itself has not been tested.
Mobility in soil	This product itself has not been tested.
Other adverse environmental effects	None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Handling for disposal: Handle in accordance with good industrial hygiene and safety practice. Refer to protective measures listed in sections 7 and 8.

Methods of disposal: Dispose in accordance with all applicable federal, state, provincial and local regulation. Contact your federal, state, provincial and local authorities for specific rules.

SECTION 14: TRANSPORT INFORMATION

US 49 CFR/DOT	Ground Transportation	Not DOT regulated.
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SECTION 15: REGULATORY INFORMATION

TSCA	All listed ingredients appear on the Toxic Substances Control Act.
US CERCLA Reportable quantity (RQ)	Not available.
SARA Title III Section 302	No extremely hazardous substances are present in this material.
SARA Title III Section 311 and 312	Reactive Hazard, Acute Health Hazard, Chronic Health Hazard. Under SARA Section 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500 pounds for the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.
SARA TITLE III Section 313:	No components are present in this material.

California Prop 65

This product does contain a chemical known to the State of California to cause, birth defects or other reproductive harm.

Canadian Environmental Protection ACT (CEPA)

All ingredients listed appear on the Domestic Substances List (DSL).

Abbreviations legend;

ACGIH: American Conference of Governmental Industrial Hygienist

CAS: Chemical abstract Services

CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980

CFR: Code of Federal Regulations

CSA: Canadian Standards Association

DOT: Department of Transportation

ECOTOX: U.S. EPA Ecotoxicology Database

EINECS: European Inventory of Existing Commercial chemical Substances

EPA: Environmental Protection agency

HSDB: Hazardous Substances database

IARC: International Agency for Research on Cancer

IBC: Intermediate Bulk Container

IUCLID: International Uniform Chemical Information Database

LC: Lethal Concentration

LD: Lethal Dose

NIOSH: National Institute of Occupational Safety and Health

NTP: National Toxicology Program

OECD: Organization for Economic Cooperation and Development

PEL: Permissible exposure limit

RCRA: Resource Conservation and Recovery Act

RTECS: Registry of Toxic Effects of Chemical Substances

SARA: Superfund Amendments and Reauthorization Act

SDS: Safety Data Sheet

STEL: Short Term Exposure Limit

TDG: Canadian Transportation of Dangerous Goods Act & Regulations

TLV: Threshold Limit Values

TWA: Time Weighted Average

WHMIS: Workplace Hazardous Materials Identification System

SECTION 16: OTHER INFORMATION

Hazardous Materials Identification System (HMIS)

HMIS-RATING:	
HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	1

Important Note: *To be the best of our knowledge, the information contained herein is accurate. However there is no assumption of liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Since the conditions of handling, storage and disposal of this product are beyond the control of the manufacturer/supplier, the manufacturer/supplier will not be responsible for loss, injury, or expense arising out of the products improper use. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product which may not be covered by this SDS. The user is responsible for full compliance.*

End of SDS