



Safety Data Sheet

Section 1 – Identification

Product Identifier: NAB Battery Acid Cleaner & Neutralizer

Other means of Identification: Alkaline Solution

Name and Address of Responsible Parties:

**NPS Corporation
3303 Spirit Way
Green Bay, WI 54304**

**Toll Free: 800-558-5066
CHEMTREC: (800) 424-9300 (USA); +1 (703) 527-3887 (International and Maritime)**

Section 2 – Hazards Identification

Classification of the Chemical:

Clear orange liquid. Mild citrus odor.

This material is classified as hazardous under OSHA regulations (29 CFR 1910.1200) (Hazcom 2012).

Hazardous classification:

Corrosive to Metals – Category 1

Skin irritation – Category 2

Eye irritation – Category 2A

Label elements:

Signal Word: Warning

Hazard Statements: Corrosive to Metals – Category 1

Skin irritation – Category 2

Eye irritation – Category 2A

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.

Section 2 – Hazards Identification (continued)

If on Skin: Wash with plenty of soap and water.
 If skin irritation occurs get medical advice/attention.
 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.

Hazard Pictogram(s)



Other Hazards not otherwise classified:

Not applicable

Section 3 – Composition/Information on Ingredients

Chemical Name, Common Name	CAS #	Concentration wt/wt(*)
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

Description of 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.

Most important symptoms and effects, both acute and delayed:

May cause skin irritation or burns.

May cause eye irritation or burns.

Indigestion may cause gastrointestinal irritation, nausea, vomiting, diarrhea and burns to the mouth, throat and esophagus.

Indication of any immediate medical attention and special treatment needed:

Treat symptomatically

Section 5 – Fire-Fighting Measures

Extinguishing media:

Suitable extinguishing media: Water fog, Carbon dioxide, Dry chemical, Foam

Unsuitable extinguishing media: Not available

Special hazards arising from the substance or mixture: Non known

Flammability classification: Not flammable by OSHA/WHMIS criteria.

Hazardous combustion products: Carbon oxides, other unidentified organic compounds.

Special protective equipment and precautions for firefighters: *Protective equipment for fire-fighters:* 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 precautions, protective equipment and emergency procedures:

All persons dealing with the clean-up should use 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 clean up:

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

Precautions for safe handling:

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. 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.

Conditions for safe 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 oxidizers, Strong acids.

Section 8 – Exposure Controls/Personal Protection

Exposure limits

Chemical Name	ACGIH-TLV	OSHA-PEL
Sodium Carbonate	2mg/m ³	2mg/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

Section 8 – Exposure Controls/Personal Protection (Continued)

Exposure controls:

Ventilation and engineering measures: Use in well ventilated area. Apply technical measures to comply with occupational exposure limits if needed.

Respiratory measures: 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/Freezing pointing: ~ -3C (26.6F)

Boiling point and boiling range: >100C (212F)

Flash point: >93.3C (199.4F)

Evaporation point (Butyl Acetate=1): Not available

Flammability (method determination): Not available

Lower flammability limit (% by vol.): Not available

Upper flammability limit (% by vol.): Not available

Vapor pressure: Not available

Vapor density: Not available

Relative density: 1.3

Solubility in water: Complete

Section 9 – Physical and Chemical Properties (continued)

Partition Coefficient (n-octanol/water): 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 addition information.

Section 10 – Stability and Reactivity

Reactivity: Not normally reactive.

Chemical stability: Stable under normal conditions.

Possibility of hazardous reactions: Hazardous polymerization does not occur.

Conditions to avoid: Heat. Contact with incompatible materials.

Incompatible materials: Strong oxidizers, Strong acids.

Hazardous decomposition products: Carbon oxides.

Section 11 – Toxicological Information

Information on routes of exposure: Routes of entry-inhalation: YES

Routes of entry-skin & eye: YES

Routes of entry-Ingestion: YES

Routes of entry-skin absorption: YES

Potential Health Effects:

Signs and symptoms of short term exposure:

Signs and symptoms: Inhalation – May cause respiratory irritation. May cause headache, nausea, dizziness and other symptoms of central nervous system depression.

Signs and symptoms: ingestion – Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Signs and symptoms: Skin – May cause burns or irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin.

Signs and symptoms: Eyes – May cause severe irritation or damage.

Potential Chronic Health Effects: None known

Section 11 – Toxicological Information (Continued)

Mutagenicity: Not hazardous by OSHA/WHMIS criteria.

Carcinogenicity: No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.

Reproductive effects: Not hazardous by OSHA/WHMIS criteria.

Sensitization to material: No data available to indicate product may be a sensitizer.

Specific 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 is available on the product itself.

Mobility in Soil: This product itself has not been tested.

Persistence and degradability: This product itself has not been tested.

Bioaccumulation potential: This product itself has not been tested.

Other adverse Environmental effects: None known.

Section 13 – Disposal Information

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 – Transportation Information

US 49 CFR/DOT. Ground Transportation

Not DOT Regulated

Section 15 – Regulatory Information

US Federal Information:

TSCA: All listed ingredients appear on the Toxic Substances Control Act.

US CERCLA Reportable quantity (RQ): Not available

SARA Title III: Sec. 302, Extremely Hazardous Substances, 40 CFR 355:

No extremely hazardous substances are present in this material.

SARA Title III: Sec. 311 and 312, MSDS Requirements, 40 CFR 370 Hazard Classes: 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: Sec. 313, Toxic Chemicals Notification, 40 CFR 372:

No components are present in this material.

State Regulations:

California Proposition 65: This product does contain a chemical known to the State of California to cause, birth defects or other reproductive harm.

International Information:

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).

Section 16 – Other Information**HMIS – Hazardous Materials Identification System**

Health -1 Flammability -1 Physical Hazard -1 PPE –B

NFPA – National Fire Protection Association

Health -1 Flammability -1 Reactivity -1

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 (Continued)**Disclaimer**

The information continued herein is based on the manufactures' own study and the work of others, implied, as to the accuracy, completeness or adequacy of the information contained herein, and neither the provider nor the manufacturer (nor the agents, directors, officers, contractors or employees of either) are liable to any party for any damages of any nature, including direct, special or consequential damages arising out of or in connection with the accuracy, completeness, adequacy or furnishing of any information in this SDS, or in any other way related (directly or indirectly) to this SDS. The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for the safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any other process.

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