Safety Data Sheet

Issue Date: 20-Mar-2023 **Revision Date:** 20-Mar-2023 **Version** 1

1. IDENTIFICATION

Product identifier

Product Name PIG® Battery Cleaner & Acid Neutralizer (Foaming Aerosol)

Other means of identification

SDS # MSD-255

UN/ID No UN1950

Recommended use of the chemical and restrictions on use

Recommended Use PIG® Battery Cleaner & Acid Neutralizer (Foaming Aerosol) detects, cleans, and neutralizes acid on terminals and cables of batteries. A color indicator is provided to detect acid leaks. Product turns red on contact with battery acid. Battery Cleaner & Acid Neutralizer eliminates corrosion buildup, prolonging battery life and effectiveness. For use on car batteries, cables, construction equipment, forklifts, golf carts, electrical connectors, trucks, marine equipment, boats, and lawn mowers.

Details of the supplier of the safety data sheet

Supplier Address
New Pig Corporations
One Pork Avenue
Tipton, PA 16684-0304
Information: 1-800-468-4647
Email: hothogs@newpig.com
Website: www.newpig.com

Emergency telephone number

Emergency Telephone INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance Orange foam **Odor** Slight ammonia

Classification

Serious eye damage/eye irritation	Category 2
Aerosols	Category 1
Gases under pressure	Liquefied gas

Signal Word
Danger

Hazard statements
Causes serious eye irritation
Extremely flammable aerosol
Contains gas under pressure; may explode if heated

Precautionary Statements - Prevention
Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection
Keep away from heat/sparks/open flames/hot surfaces. — No smoking
Pressurized container: Do not pierce or burn, even after use
Do not spray on an open flame or other ignition source

Precautionary Statements - Response
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention

Precautionary Statements - Storage
Protect from sunlight. Store in a well-ventilated place
Do not expose to temperatures exceeding 50 °C/122 °F

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%
Water	7732-18-5	80-85
Propane	68476-86-8	5-10
Isopropyl Alcohol	67-63-0	1-5
Glycol Ether EB	111-76-2	1-5

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first aid measures

Eye Contact Remove contact lenses. Flush with water for at least 15 minutes. See a physician if irritation persists.

Skin Contact Wash thoroughly with soap and water. Seek medical attention if irritation develops.

Inhalation Move to fresh air. If breathing is difficult or unconscious, administer oxygen. If not breathing administer artificial respiration. Seek medical attention if irritation persists.

Ingestion Do not induce vomiting unless directed by medical authority. Immediately rinse mouth with water. Seek immediate medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms Eyes: redness, tearing, blurred vision.

Indication of any immediate medical attention and special treatment needed

Notes to Physician There is no specific treatment regimen. Treatment of overexposure should be directed at

the control of symptoms and the clinical condition of the patient.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Dry chemical, carbon dioxide, foam, water spray for cooling.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical
Keep away from sparks, open flames, and hot surfaces. No smoking. Do not spray on an open flame or other ignition source.

Protective equipment and precautions for firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Use personal protective equipment as required.

Environmental precautions

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up Absorb spill with non-combustible material such as vermiculite, sand, or earth.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Wash face, hands, and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing and eye/face protection. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Pressurized container: Do not pierce or burn, even after use. Do not spray on an open flame or other ignition source.

Conditions for safe storage, including any incompatibilities

Storage Conditions Protect from sunlight. Store in a well-ventilated place. Do not expose to temperatures exceeding 50 °C/122°F.

Packaging Materials Shelf Life: 1+ year when stored in a cool dry environment, away from heat, ignition sources and UV light.

Incompatible Materials Strong acids. Strong alkalis. Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Glycol Ether EB 111-76-2	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m^3 (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m^3 (vacated) S* S*	IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m^3
Isopropyl Alcohol 67-63-0	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m^3 (vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m^3 (vacated) STEL: 500 ppm (vacated) STEL: 1225 mg/m^3	IDLH: 2000 ppm TWA: 400 ppm TWA: 980 mg/m^3 STEL: 500 ppm STEL: 1225 mg/m^3

Appropriate engineering controls

Engineering Controls General ventilation and local exhaust recommended.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Safety glasses.

Skin and Body Protection Refer to 29 CFR 1910.138 for appropriate skin and body protection.

Respiratory Protection Not required under normal use. If exposure levels are exceeded, then organic vapor cartridge respirator or SCBA will be needed.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	No information available		
Appearance	Orange foam	**Odor**	Slight ammonia
Color	Orange	**Odor Threshold**	Not determined

Property	Values	Remarks • Method
pH	10.8	
Melting point / freezing point	<0 °C / <32 °F	
Initial boiling point and boiling range	>100 °C / >212 °F	
Flash point	No data available	
Evaporation Rate	<1	
Flammability (Solid, Gas)	Extremely flammable aerosol	
Flammability Limit in Air		
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapor Pressure	17.5	@ 25°C (77°F)
Vapor Density	<1	(Air=1)
Relative Density	1.00	25°C (77°F)

Water Solubility	100%	
Solubility in other solvents	Not determined	
Property	**Values**	**Remarks • Method**
Partition Coefficient	Not determined	
Autoignition temperature	No data available	
Hyphen	Not determined	
Kinematic viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	

10. STABILITY AND REACTIVITY

Reactivity
Not reactive under normal conditions.

Chemical stability
Stable under recommended storage conditions.

Possibility of hazardous reactions
None under normal processing.

Conditions to Avoid
Do not expose to temperatures exceeding 50 °C/122°F.

Incompatible materials
Strong acids. Strong alkalis. Strong oxidizing agents.

Hazardous decomposition products
Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact	Avoid contact with eyes.
Skin Contact	Avoid contact with skin.
Inhalation	Do not inhale.
Ingestion	Do not ingest.

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Glycol Ether EB 111-76-2	= 470 mg/kg (Rat)	= 435 mg/kg (Rabbit)	= 450 ppm (Rat) 4 h = 486 ppm (Rat) 4 h
Isopropyl Alcohol 67-63-0	= 1870 mg/kg (Rat)	= 4059 mg/kg (Rabbit)	> 10000 ppm (Rat) 6 h

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms	Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Causes mild skin irritation.

Carcinogenicity Group 3 IARC components are "not classifiable as human carcinogens".

Chemical name	ACGIH	IARC	NTP	OSHA
Glycol Ether EB 111-76-2	A3	Group 3		
Isopropyl Alcohol 67-63-0		Group 3		X

Legend

ACGIH (American Conference of Governmental Industrial Hygienists)
A3 - Animal Carcinogen
IARC (International Agency for Research on Cancer)
Group 3 IARC components are "not classifiable as human carcinogens"
OSHA (Occupational Safety and Health Administration of the US Department of Labor)
X - Present

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

Oral LD50 16,103.40 mg/kg
Dermal LD50 17,309.20 mg/kg
ATEmix (inhalation-dust/mist) 25.50 mg/l
ATEmix (inhalation-vapor) 43.5774 mg/l

12. ECOLOGICAL INFORMATION

Ecotoxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Component Information

Chemical name	Algae/aquatic plants	Fish	Crustacea
Glycol Ether EB 111-76-2		LC50: =1490mg/L (96h, Lepomis macrochirus) LC50: =2950mg/L (96h, Lepomis macrochirus)	EC50: >1000mg/L (48h, Daphnia magna)
Isopropyl Alcohol 67-63-0	EC50: >1000mg/L (96h, Desmodesmus subspicatus) EC50: >1000mg/L (72h, Desmodesmus subspicatus)	LC50: =9640mg/L (96h, Pimephales promelas) LC50: =11130mg/L (96h, Pimephales promelas) LC50: >1400000µg/L (96h, Lepomis macrochirus)	EC50: =13299mg/L (48h, Daphnia magna)

Persistence/Degradability

Not determined.

Bioaccumulation

There is no data for this product.

Mobility

Chemical name	Partition coefficient
Propane 68476-86-8	2.8

Isopropyl Alcohol 67-63-0	0.05
Chemical name	**Partition coefficient**
Glycol Ether EB 111-76-2	0.81

Other adverse effects
Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging Disposal should be in accordance with applicable regional, national and local laws and regulations.

California Hazardous Waste Status

Chemical name	California Hazardous Waste Status
Isopropyl Alcohol 67-63-0	Toxic Ignitable

14. TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT
UN/ID No UN1950
Proper Shipping Name Aerosols
Transport hazard class(es) 2.1

IATA
UN number or ID number UN1950
Proper Shipping Name Aerosols, flammable
Transport hazard class(es) 2.1

IMDG
UN number or ID number UN1950
Proper Shipping Name Aerosols
Transport hazard class(es) 2.1

15. REGULATORY INFORMATION

International Inventories

Chemical name	TSCA	TSCA Inventory Status	DSL/NDSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AIIC
Propane	X	ACTIVE	X	X		X	X	X	X
Glycol Ether EB	X	ACTIVE	X	X	X	X	X	X	X
Isopropyl Alcohol	X	ACTIVE	X	X	X	X	X	X	X

Legend:

TSCA *- United States Toxic Substances Control Act Section 8(b) Inventory*

DSL/NDSL *- Canadian Domestic Substances List/Non-Domestic Substances List*

EINECS/ELINCS *- European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*

ENCS *- Japan Existing and New Chemical Substances*

IECSC *- China Inventory of Existing Chemical Substances*

KECL *- Korean Existing and Evaluated Chemical Substances*

PICCS *- Philippines Inventory of Chemicals and Chemical Substances*

AICS *- Australian Inventory of Chemical Substances*

US Federal Regulations

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

SARA 313

Chemical name	CAS No	Weight-%	SARA 313 - Threshold Values %
Glycol Ether EB - 111-76-2	111-76-2	1-5	1.0
Isopropyl Alcohol - 67-63-0	67-63-0	1-5	1.0

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Glycol Ether EB 111-76-2	X	X	X
Isopropyl Alcohol 67-63-0	X	X	X

16. OTHER INFORMATION

NFPA	**Health hazards**	**Flammability**	**Instability**	**Special hazards**
	1	1	1	-
HMIS	**Health hazards**	**Flammability**	**Physical hazards**	**Personal Protection**
	1	1	1	A

Issue Date: 20-Mar-2023
Revision Date: 20-Mar-2023
Revision Note: New format

Disclaimer

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.

End of Safety Data Sheet