



SAFETY DATA SHEET

This SDS complies with REACH 1907/2006 and 2001/58/EC, GHS, OSHA 29CFR 1910.1200

Section 1: Chemical Product and Company Identification

MANUFACTURER'S NAME

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Safety Data Sheet Competent Person:

DATE PREPARED: May 24, 2014

REVISION DATE: March 12, 2015

PRODUCT NAME:

NEUTRA-CLEAN

FORMULA:

Preparation/Mixture

PRODUCT USE:

Neutralize and clean wet cell industrial batteries

Section 2: Hazards Identification

GHS Hazard Class

Not Applicable. This product does not meet the physical, health, or environmental classification criterion of GHS (Global Harmonized System)

Signal word:

Not Applicable

Hazard Statement:

Not Applicable

Precautionary Statements:

Prevention	No Precautionary Statement
Response	No Precautionary Statement
Storage	No Precautionary statement
Disposal	No Precautionary statement

HAZARD CLASSIFICATION:

Not classified as hazardous based on IATA, IMDG, and DOT.

FIRE AND EXPLOSION:

Not considered flammable or combustible.

POTENTIAL HEALTH EFFECTS:

<0 % of mixture consists of ingredients of unknown acute toxicity

INGESTION:

May be harmful if swallowed.

INHALATION:

May be harmful if inhaled.

SKIN CONTACT:

May cause skin irritation. May be harmful if absorbed through skin.

EYE CONTACT:

Eye irritation may result.

OTHER:

None

CHRONIC EFFECTS OF OVEREXPOSURE: None

APPEARANCE:

Yellow liquid

NFPA Rating:

Component	Health (Blue)	Flammability (Red)	Reactivity (Yellow)	Special (White)
Neutra-Clean	1	0	0	---



Section 3: Composition, Information on Ingredients

PRODUCT COMPOSITION	APPRX %	ACGIH TLV	OSHA PEL	NIOSH REL	CAS NO.	EINECS/ELINCS	DANGER SYMBOL	RISK PHRASE	DSL CANADA	TSCA
Chemical A	Trade Secret	-----	-----	-----	Trade Secret	Trade Secret	-----	-----	Y	Y
Chemical B	Trade Secret	-----	-----	-----	Trade Secret	Trade Secret	-----	-----	Y	Y
Chemical C	Trade Secret	-----	-----	-----	Trade Secret	Trade Secret	-----	-----	Y	Y
Chemical D	Trade Secret	-----	-----	-----	Trade Secret	Trade Secret	-----	-----	Y	Y
Chemical E	Trade Secret	-----	-----	-----	Trade Secret	Trade Secret	-----	-----	Y	Y
Chemical F	Trade Secret	-----	-----	-----	Trade Secret	Trade Secret	-----	-----	Y	Y

Trade Secret (TS) Some items on this SDS may be designated as trade secrets. Bonafide requests for disclosure of trade secret information to medical personnel must be made in accordance with the provisions contained in 29 CFR 1910.1200 I 1-13. The full text for all R-Phrases is shown in Section 16.

Section 4: First Aid Measures

INHALATION:

Remove to fresh air. If not breathing, provide CPR (cardio pulmonary resuscitation). Get immediate medical attention.

SKIN CONTACT:

Wash thoroughly after handling. Remove contaminated clothing.

EYE CONTACT:

Rinse continuously with water for several minutes. Remove contact lenses if present and easy. Continue rinsing. If symptoms persist, seek medical attention.

INGESTION:

If swallowed do not induce vomiting, give large quantities of water to drink. Never give anything to an unconscious person. If symptoms persist, seek medical attention.

Section 5: Fire-fighting Measures

FLASH POINT:

Not applicable

FLAMMABLE LIMITS IN AIR (% by vol):

Not applicable

EXTINGUISHING MEDIA:

Dry Chemical Powder or Carbon Dioxide (avoid soda water fire extinguishers)

SPECIAL FIREFIGHTING PROCEDURES:

Uncontrolled exposure to acid results in reaction producing carbon dioxide.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Material does not burn. Use extinguishing agent suitable for the type of surrounding fire. Avoid the use of water if batteries are in the area.

Section 6: Accidental Release Measures

ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Wear proper protective equipment as specified in Section 8: Exposure Controls/Personal Protection

Warn other workers of spill and contain spill.

Recover spill by using absorbent and sweeping up waste material.

In case of large spills, dike the spill, if possible.

Place material into a chemical waste container. Allow for container venting if spill is contaminated with electrolyte.

Prevent spills or contaminated rinse water from entering sewers or watercourses.

DISPOSAL METHOD: Disposal should be made in accordance with federal, state and local regulations.



Section 7: Handling and Storage

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

- Wear proper protective equipment and avoid contact with skin, eyes, or clothing.
- Wash hands after handling this material.
- Follow all applicable local regulations for handling and storage.
- Avoid uncontrolled contact with acids. Reacts generating carbon dioxide.
- Keep container tightly closed. Store in ambient above 35 Deg F

INFORMATION ON EMPTIED CONTAINER: Not applicable

SPECIFIC USES: Neutralize and clean wet cell lead acid industrial batteries

Section 8: Exposure Controls/Personal Protection

VENTILATION:

Always provide good general, mechanical room ventilation where this chemical/material is used.

SPECIAL VENTILATION CONTROLS:

Use this mixture with local exhaust ventilation at points where mist can be released into the workspace air.

RESPIRATORY PROTECTION:

No respiratory protection normally required. In case of mist, spray, or aerosol exposure wear suitable personal respiratory equipment.

PROTECTIVE GLOVES:

Wear chemical impervious gloves at all times while working with this product. Recommend gloves suitable for alkaline and acids.

EYE PROTECTION:

Safety Glasses, Chemical goggles, face shield

SKIN PROTECTION:

Suitable protective clothing to prevent skin contact

WORK/HYGIENE PRACTICES:

Avoid breathing mist. Avoid contact with eyes.

EXPOSURE LIMITS

OEL not available for this mixture.

OTHER EQUIPMENT:

Safety shower, eyewash station, hand washing equipment recommended for this work area.

Section 9: Physical and Chemical Properties

APPEARANCE - COLOR:

Yellow

PHYSICAL STATE:

Liquid

ODOR:

Slight citrus odor

PRODUCT CRITERIA

ODOR THRESHOLD	Not applicable for product
PH	~10
FLASH POINT:	Not applicable for product
LOWER EXPLOSIVE LIMIT; UPPER EXPLOSIVE LIMIT	Not applicable for product
FLAMMABILITY (Solid, gas)	Not applicable for product
EXPLOSIVE PROPERTIES	Not applicable for product
OXIDIZING PROPERTIES	Not applicable for product
SPECIFIC GRAVITY (@25°C):	1.02
EVAPORATION RATE:	Not applicable for product
% VOLATILE by VOLUME	Not applicable for product
PARTITION COEFFICIENT	Not applicable for product
AUTO IGNITION TEMPERATURE	Not applicable for product
DECOMPOSITION TEMPERATURE	Not applicable for product



BOILING POINT:	100 °C (212 °F)
MELTING POINT:	Not applicable for product
VAPOR PRESSURE	Not applicable for product
VAPOR DENSITY (AIR = 1)	Not applicable for product
SOLUBILITY IN WATER:	Soluble
WATER SOLUBILITY IN THE SOLVENT	Not applicable for product
FREEZING POINT:	Approx. 32 °F
VISCOSITY	Not applicable for product
VOC CONTENT	Not applicable for product

Section 10: Stability and Reactivity

STABILITY:	Stable under normal conditions.
CONDITIONS TO AVOID:	Uncontrolled exposure to acids
INCOMPATIBILITY (MATERIALS TO AVOID):	None
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon monoxide and carbon dioxide
HAZARDOUS POLYMERIZATION:	Will not occur

Section 11: Toxicological Information

There is no toxicological information available for the product mixture.

GHS Required Criteria	Toxicity Criteria Constituent	Toxicity Information	Comments	Chemical
Acute Toxicity	LD50 (Oral/Rat):	>2800 mg/kg		Chemical A
	LC50 (Inhalation/Rat):	>5.03 mg/L		Chemical A
Skin Corrosion/Irritation	Skin rabbit	Data not available		
Serious Eye Damage / Eye Irritation		Data not available		
Respiratory or Skin Sensitization		Data not available		
Germ Cell Mutagenicity		Data not available		
Carcinogenicity		Not listed	NTP	
		Not listed	IARC	
		Not listed	OSHA	
Reproductive Toxicity		Data not available		
STOST -- Single Exposure		Data not available		
STOST – Repeated Exposure		Data not available		
Aspiration Hazard		Data not available		

STOST = Specific Target Organ Systemic Toxicity

OTHER INFORMATION:

Only selected Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. See actual entry in RTECS for complete information.



Section 12: Ecological Information

Chemical

BIODEGRADATION:	No information is available.	
BIOACCUMULATION:	No information is available.	
ECO TOXICITY:	No information is available.	
MOBILITY:	No information is available.	

Section 13: Disposal Considerations

WASTE FROM RESIDUES / UNUSED PRODUCTS:

Follow the waste disposal requirements of your country, state, or local authorities.

Section 14: Transport Information

DOT TRANSPORT: Not Regulated

ADR = International Carriage of Dangerous Goods by Road Not Regulated

RAIL TRANSPORT: Not Regulated

SEA TRANSPORT: IMDG Not Regulated

AIR TRANSPORT: IATA/ICAO Not Regulated

Section 15: Regulatory Information

Directive 1999/45/EC

LABEL FOR SUPPLY:



IRRITANT

RISK PHRASES:

R-Phrase:	R36	Irritating to Eyes
	R38	Irritating to Skin
S-Phrase:	S24	Avoid contact with Skin
	S25	Avoid contact with Eyes

TOXIC SUBSTANCES CONTROL ACT (TSCA) STATUS:

This product is in compliance with rules, regulations, and orders of TSCA. All components are listed on the TSCA Inventory.

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA) TITLE III SECTION 313 SUPPLIER NOTIFICATIONS:

This regulation requires submission of annual reports of toxic chemical(s) that appear in section 313 of the Emergency Planning and Community Right To Know Act of 1986 and 40 CFR 372. This information must be included in all SDS's that are copied and distributed for the material.

The Section 313 toxic chemicals contained in this product are: None

CALIFORNIA PROPOSITION 65:

This regulation requires a warning for California Proposition 65 chemical(s) under the statute.

The California proposition 65 chemical(s) contained in this product are: None



STATE RIGHT-TO-KNOW TOXIC SUBSTANCE OR HAZARDOUS SUBSTANCE LIST:

Florida Toxic Substance(s):	Not listed
Massachusetts's hazardous substance(s):	Not listed
Pennsylvania hazardous substance code(s):	Not listed
New Jersey	Not listed
Illinois	Not listed
Michigan	Not listed

CANADA:

This SDS will be non-compliant 3 years after the issue date. This SDS contains all of the information required by the Controlled Products Regulations (CPR).

WHMIS-INFORMATION:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR), SOR/88-66, Current to February 20, 2012. The classes of controlled products listed in the CPR, Section 32, Part IV, have been reviewed and based on Professional Judgment this product has been determined to not be WHMIS controlled.

EUROPEAN UNION:

This product has been reviewed for compliance with the following European Community Directives: **REACH 1907/2006; Directive 1999/45/EC, Regulation (EC) No 1272/2008 on classification, labeling, and packaging (CLP) of substances and mixtures.**

WGK: 0 (German Federal Water Management Act) (Water Hazard Class)

International Inventories

TSCA Inventory (United States of America)	Complies
DSL (Canada)	Complies
NDSL (Canada)	Complies
EINECS/ELINCS (Europe)	Complies
ENCS (Japan)	Complies
IECSC (China)	Complies
KECL (Korea)	Complies
PICCS (Philippines)	Complies
AICS (Australia)	Complies
NZIoC (New Zealand)	Complies

Section 16: Other Information

European Community Hazards Identification:

R:	None
S:	None
Danger Symbol(s):	None

Revision Comments: 24 hour emergency contact complete

Revision Number: 1

Information Sources: RTECS, REACH, OSHA 29CFR 1910.1200

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