



SAFETY DATA SHEET

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

PROPRIETARY INFORMATION – DO NOT DISTRIBUTE OR DUPLICATE

Section 1: Chemical Product and Company Identification

MANUFACTURER'S NAME

Ramsey Group, Inc.
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Safety Data Sheet Competent Person:

DATE PREPARED: May 24, 2014

REVISION DATE: **AUGUST 1, 2017**

PRODUCT NAME: **StaSafe**
FORMULA: Preparation/Mixture
PRODUCT USE: Neutralize 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)
StaSafe	0	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
Sodium Bicarbonate	3	-----	-----	-----	144-55-8	205-633-8	-----	-----	Y	Y
Methyl Red Sodium Salt	<1	-----	-----	-----	845-10-3	212-682-9	-----	-----	Y	Y
Water	97	-----	-----	-----	7732-18-5	Y/N	-----	-----	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:

Odor free

PRODUCT CRITERIA

ODOR THRESHOLD	Not applicable for product
PH	~8
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:	Direct sunlight. Extreme high or low temperatures.
INCOMPATIBILITY (MATERIALS TO AVOID):	Uncontrolled exposure to acids or caustics
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon monoxide and carbon dioxide
HAZARDOUS POLYMERIZATION:	Will not occur

Section 11: Toxicological Information

ACUTE Toxicology: Not Classified
Sodium bicarbonate (144-55-8) **LD50 oral rat** **4220 mg/kg**
Skin corrosion/irritation: Not classified pH 8
Respiratory or skin sensitization: Not classified
Germ cell mutagenicity: Not classified
Carcinogenicity: Not classified
Aspiration hazard: Not classified
Symptoms/injuries after inhalation: prolonged exposure may cause mild irritation
Symptoms/injuries after skin contact: Contact during long period may cause light irritation
Symptoms/injuries after eye contact: May cause slight irritation

Section 12: Ecological Information

Toxicity:
Sodium Bicarbonate (144-55-8)
LD50 fish **1** **8250 - 90000 mg/l (exposure time 96h - species: Lepomis macrochirus (static)**
EC50 Daphnia **1** **2350 mg/l (Exposure time: 48h - species Daphnia magna)**
EC50 other aquatic organisms **1** **650 mg/l (Exposure tie: 120h - Species : Nitzschia linearis)**
Persistence and degradability
Bioaccumulative potential
Mobility in soil: No additional information available
Other adverse effects: No additional information 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

<u>DOT TRANSPORT:</u>		Not Regulated
<u>ADR = International Carriage of Dangerous Goods by Road</u>		Not Regulated
<u>RAIL TRANSPORT:</u>		Not Regulated
<u>SEA TRANSPORT:</u>	IMDG	Not Regulated
<u>AIR TRANSPORT:</u>	IATA/ICAO	Not Regulated

Section 15: Regulatory Information

US State Regulations

Sta-Safe	California Proposition 65. This product does not contain any chemicals know by the State of California to cause cancer, birth defects, or other reproductive harm.
Sodium bicarbonate	144-55-8 US-Texas - Effects Screening Levels- Long Term US-Texas - Effects Screening levels - Short term

Section 16: Other Information

Data Source: Prepared in accordance with SDS requirements of the OSHA Hazard communication Standard

		RATING		RATING	29 CFR 1910.1200
NFPA	Health hazard	0	HMIS III	Health	0
	Fire	0		Flammable	0
	Reactivity	0		Reactivity	0

Revision Comments: 24 hour Emergency Contact Complete
Revision Number: 1
Information Sources: RTECS, REACH, OSHA 29CFR 1910.1200

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