



SAFETY DATA SHEET

This SDS complies with REACH 1907/2006 and 2001/58/EC, GHS REVISION 5, OSHA 29CFR 1910.1200

Section 1: Chemical Product and Company Identification

MANUFACTURER'S NAME

Ramsey Group, Inc.
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Safety Data Sheet Competent Person:

DATE PREPARED: March 8, 2015

REVISION DATE: August 1, 2017

PRODUCT NAME: **Ni-Cd NEUTRALIZING ADSORBER,
NEUTRALIZING CAUSTIC ADSORBER**

FORMULA: Preparation/Mixture
PRODUCT USE: Neutralize & Solidify Caustic Spills

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)

Hazards not otherwise classified (HNOC) or not covered by GHS: Amorphous Aluminum Silicate does not contain harmful substance listed in GHS (Quartz, if measurable, <0.1%)

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
OTHER: None
CHRONIC EFFECTS OF OVEREXPOSURE: Inhalation of high levels of nuisance dust over long periods may cause lungs to be vulnerable to lung disease
APPEARANCE: White / brown granules

NFPA Rating:

| Component | Health (Blue) | Flammability (Red) | Reactivity (Yellow) | Special (White) |
|---|------------------|-----------------------|------------------------|--------------------|
| NiCd Neutralizing Adsorber Neutralizing Caustic Adsorber | 1 | 0 | 0 | ---- |

Section 3: Composition, Information on Ingredients

| PRODUCT COMPOSITION | APPRX % | CAS NO. | EINECS/ELINCS | 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 |

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

Description of 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, Rinse mouth with water. Never give anything to an unconscious person. If symptoms persist, seek medical attention. |

Most important symptoms and effects, both acute and delayed

| | |
|--------------------------------------|---|
| Symptoms/Injuries After Inhalation | May cause respiratory tract irritation. |
| Symptoms/Injuries After Skin Contact | May cause skin irritation. Symptoms may include redness, drying, defatting, and cracking of the skin. |
| Symptoms/Injuries After Eye Contact | May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling. |
| Symptoms/Injuries After Ingestion | May be harmful if swallowed. May cause stomach distress, nausea, or vomiting. |

Indication of any immediate medical attention and special treatment needed

Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately.

Section 5: Fire-fighting Measures

| | |
|---|---|
| Suitable extinguishing media | Dry Chemical Powder or Carbon Dioxide (avoid soda water fire extinguishers if batteries are in the area) |
| Special hazards arising from the substance or mixture | No data available. |
| Protective actions fire-fighters | Wear standard protective equipment and self contained breathing apparatus for firefighting if necessary. |
| Further information | 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

Personal precautions, protective equipment, and emergency procedures

Wear proper personal protective equipment.

Environmental precautions

Warn other workers of spill and contain spill.
Avoid migration of spilled material into waterways and/or sewers.

Methods and materials for containment and cleaning up

Sweep up waste material.

Reference to other Sections For personal protection reference section 8. For disposal reference section 13.

Section 7: Handling and Storage

Precautions for safe handling

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 alkaline/ caustic substances. Reacts generating carbon dioxide.



Conditions for safe storage, including any incompatibilities
Store in a dry location. Keep containers tightly closed.

Specific uses: Neutralize & Solidify incidental spills of alkaline / caustic substances.

Section 8: Exposure Controls/Personal Protection

Control Parameters

| PRODUCT COMPOSITION | ACGIH TLV | OSHA PEL | NIOSH REL |
|---------------------|-----------|----------|-----------|
| Chemical A | ----- | ----- | ----- |
| Chemical B | ----- | ----- | ----- |
| Chemical C | ----- | ----- | ----- |

Exposure controls

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 vapors can be released into the workspace air.

RESPIRATORY PROTECTION:

No respiratory protection normally required. Follow the OSHA respirator regulations found in 29 CFR 1910.134. Recommend the use of a NIOSH certified dust mask or particulate mask respirator if **required**.

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 dust. Avoid contact with eyes. Wash hands after handling.

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

| | PRODUCT CRITERIA |
|--|---------------------------|
| APPEARANCE - COLOR: | White/brown |
| PHYSICAL STATE: | Granular |
| ODOR: | None |
| ODOR THRESHOLD | Not Available for product |
| PH | ~2 |
| MELTING POINT/FREEZING POINT: | Not Available for product |
| INITIAL BOILING POINT AND BOILING RANGE: | Not Available for product |
| FLASH POINT: | Not Available for product |
| EVAPORATION RATE: | Not Available for product |
| FLAMMABILITY (Solid, gas) | Not Available for product |
| UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS | Not Measured |
| VAPOR PRESSURE | Not Available for product |
| VAPOR DENSITY (AIR = 1) | Not Available for product |
| RELATIVE DENSITY (@25 °C): | ~2 |
| SOLUBILITY(IES) | Partial |
| OXIDIZING PROPERTIES | Not Available for product |
| PARTITION COEFFICIENT: n-octanol/water | Not Available for product |
| AUTO IGNITION TEMPERATURE | Not Available for product |
| DECOMPOSITION TEMPERATURE | Not Available for product |
| VISCOSITY | Not Available for product |



Section 10: Stability and Reactivity

| | |
|---------------------------------------|--|
| Reactivity: | Reacts with hydrofluoric acid to forms silicon tetra-fluoride gas. |
| Chemical Stability: | Stable under normal conditions. |
| Possibility of Hazardous Reactions: | Will not occur |
| Conditions to Avoid: | Uncontrolled exposure to alkaline/caustic substances. |
| Incompatibility (Materials to Avoid): | Reacts with strong reducing agents generating hydrogen gas. |
| Hazardous Decomposition Products: | Carbon monoxide and carbon dioxide |

Section 11: Toxicological Information

There is no toxicological information available for the product mixture.

| GHS Required Criteria | Toxicity Criteria | Toxicity Information | Comments | Chemical Constituent |
|-------------------------------------|---|----------------------|----------|----------------------|
| Acute Toxicity | LD50 Oral Rat | 5,400 mg/kg | | Chemical A |
| | LD50 Dermal Rat | >2000 mg/kg | | Chemical A |
| Skin Corrosion/Irritation | Rabbit | Mild | OECD 402 | Chemical A |
| Serious Eye Damage / Eye Irritation | Rabbit | Mild eye irritation | OECD 405 | Chemical A |
| Respiratory or Skin Sensitization | Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals. | | | Chemical A |
| Germ Cell Mutagenicity | | Data not available | | |
| Carcinogenicity | | Not listed | NTP | |
| | | Not listed | IARC | |
| | | Not listed | OSHA | |
| Reproductive Toxicity | | Data not available | | |
| STOT -- Single Exposure | | Data not available | | |
| STOT -- Repeated Exposure | | Data not available | | |
| Aspiration Hazard | | Data not available | | |

STOT = Specific Target Organ 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

| | | |
|--------------------------------|--|------------|
| Toxicity: | Mortality LC50 <i>Leuciscus idus melanotus</i> 440 mg/l -48 hr | Chemical A |
| | Static test - <i>daphnia magna</i> (water flea) -1535 mg/l - 24 hr | Chemical A |
| Persistence and degradability: | No information is available. | |
| Bioaccumulative potential | No information is available. | |
| Mobility in soil: | No information is available. | |
| PBT and vPvB assessment: | No information is available. | |
| Other adverse effects: | 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.

Contaminated packaging: Contaminated packaging material should be disposed of as stated above for residues and unused product.

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

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): | Chemical A, B |
| New Jersey | Chemical A, B |
| 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; Regulation (EC) No 1272/2008 on classification, labeling, and packaging (CLP) of substances and mixtures. None of the chemicals used in this product are on the EU's REACH SVHC (Substances of Very High Concern) chemicals list (as of June 16, 2014).

Section 16: Other Information

Full text of R-phrases and Safety Phrases referred to in Section 3

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

| | |
|----------------------|--|
| Initial issue date: | March 8, 2015 |
| Final revision date: | March 19, 2015 |
| Revision Number: | 0 |
| Revision explanation | Initial version |
| Information Sources: | RTECS, ECHA, REACH, OSHA 29CFR 1910.1200 |

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