

Section 1 Identification

Product identifiers

Product name: GRIP N' STRIP Non-Flammable Water Based Adhesive

Relevant identified uses

Die Ejection Adhesive. For Industrial Use Only.

Details of the supplier of the safety data sheet

Freeman Manufacturing & Supply Company
 1101 Moore Road, Avon, OH 44011-4043 USA
 Telephone: +1 (440) 934-1902
 Email: contactus@freemansupply.com

Transport Emergency Phone Number:
 (CHEMTEC) 1-800-424-9300

Section 2 Hazards Identification

GHS Classification in accordance with 29 CFR 1910.1200 (OSHA HCS)

Skin corrosion/irritation, Category 2
 Serious eye damage/eye irritation, Category 2A
 Hazard to the Aquatic Environment, Acute Hazard, Category 3

GHS Label elements, including precautionary statements



Signal word: Warning

Hazard statements

H315 Causes skin irritation.
 H319 Causes serious eye irritation
 H402 Harmful to aquatic life.

Precautionary statements

P264 Wash thoroughly after handling
 P273 Avoid release to the environment.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P302+P352 IF ON SKIN: Wash with plenty of soap and water.
 P321 Specific treatment (see ... on this label).
 P332+P313 If skin irritation occurs: Get medical advice/attention.
 P362 Take off contaminated clothing and wash before reuse.
 P501 Dispose of contents/container in accordance with local regulations.

Section 3 Composition/Information on Ingredients

Hazardous Ingredient	CAS Number	Percent by Weight (%)
Ammonium hydroxide	1336-21-6	1-2
Sodium polyacrylate	9003-04-7	0.1-1.0

Section 4 First Aid Measures

IF EXPOSED OR CONCERNED: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

IF IN EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

IF ON SKIN: Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

IF VAPORS INHALED: Remove individual to fresh air after an airborne exposure if any symptoms develop, as a precautionary measure. Call a physician if symptoms develop or persist.

IF SWALLOWED: Rinse mouth. Get medical attention if symptoms occur.

Most important symptoms and effects, both acute and delayed: Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects.

Indication of any immediate medical attention and special treatment needed: Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

Section 5 Fire-Fighting Measures

Suitable Extinguishing Media: Use water spray, foam, dry chemical or carbon dioxide.

Unsuitable Extinguishing Media: Do not use water jet as an extinguisher, as this will spread the fire.

Special Fire-Fighting Procedures: Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment.

Unusual Fire and Explosion Hazards: During fire, gases hazardous to health may be formed.

Hazardous Decomposition Products: Carbon dioxide, Carbon monoxide

Section 6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection see Section 8.

Environmental precautions

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

Methods and materials for containment and cleaning up

Dike if necessary. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. Put material in suitable, covered, labeled containers. For waste disposal, see section 13 of the SDS.

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. Do not breathe mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Should be handled in closed systems, if possible. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store at ambient temperatures in closed containers. Do not allow to freeze as product may be damaged. Store away from incompatible materials (see Section 10 of the SDS).

Section 8 Exposure Controls/Personal Protection

Components with workplace control parameters

Component	CAS Number	OSHA	ACGIH	NIOSH
Ammonium Hydroxide	1336-21-6	PEL: 50 ppm	STEL: 35 ppm TWA: 25 ppm	STEL: 27 mg/m ³ TWA: 18 mg/m ³

Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Personal Protective Equipment

Eye/Face Protection: Wear safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material.

Skin Protection: Avoid skin contact by wearing chemically resistant gloves.

Hand Protection: Wear nitrile gloves

Respiratory Protection: The need for respiratory protection is not anticipated under normal use conditions and with adequate ventilation. If elevated airborne concentrations are anticipated, a NIOSH-approved organic vapor respirator equipped with a dust/mist prefilter should be used.

Safety Stations

Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

General Hygienic Practices

Avoid breathing fumes. Avoid contamination of food, beverages, or smoking materials. Wash thoroughly after handling, and before eating, drinking or smoking. Remove contaminated clothing promptly and clean thoroughly before reuse.

Section 9 Physical and Chemical Properties

Appearance	Opaque white liquid
Odor	Ammoniacal
Odor Threshold	No data available
pH	No data available
Boiling Point	No data available
Freezing/Melting Point	No data available

Section 9 Physical and Chemical Properties

Flash Point	Not applicable (water-based)
Evaporation rate	No data available
Upper/lower flammability	No data available
Vapor Pressure	No data available
Vapor Density	No data available
Specific Gravity	1.03
Weight Per Gallon (lb.)	8.59
Water Solubility	No data available
Coefficient: n-octanol/ water	No data available
Auto-ignition temperature	Not applicable (water-based)
Viscosity	No data available

Section 10 Stability and Reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Material is stable under normal conditions.
Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	No hazardous decomposition products are known.

Section 11 Toxicological Information

Symptoms related to the physical, chemical and toxicological characteristics

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.
Skin irritation. May cause redness and pain.

Acute toxicity

Component name	Result LD50/LC50
Ammonium Hydroxide	LD50/Oral/Rat: >350 mg/kg
Sodium polyacrylate	LD50/Oral/Rat: >40000 mg/kg

Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/eye irritation	Causes serious eye irritation.
Respiratory sensitization	Not classified.
Skin sensitization	Not classified.
Germ Cell Mutagenicity	Not classified.
Carcinogenicity classification	No hazardous ingredient.
Developmental toxicity	Not classified.
Specific Target Organ Toxicity	
Single Exposure	Not classified.
Repeated Exposure	Not classified.
Aspiration hazard	Not classified.
Chronic effects	No data available.

Section 12 Ecological Information

Ecotoxicity	Harmful To aquatic life.
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Results of PBT & vPvB assessment	No data available
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this product.

Section 13 Disposal Considerations

Disposal instructions

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazardous waste code

The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see Disposal instructions).

Contaminated packaging

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Section 14 Transport Information

Transport Classification

DOT/TDG: Not controlled material
IATA: Not controlled material
IMDG: Not controlled material

Section 15 Regulatory Information

Inventory Status

U.S. EPA TSCA: This product is in compliance with the Toxic Substances Control Act's Inventory requirements.

TSCA Section 12(b) - Export Notice Requirements: This product does not contain any TSCA 12 (b) regulated chemicals.

U.S. Regulation

CERCLA REGULATED CHEMICAL: Ammonium Hydroxide, 1336-21-6, 1000 lb.

SARA 302 EHS CHEMICALS: This product does not contain any SARA extremely hazardous chemicals.

SARA 313: This product contains the following chemical(s) subjected to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and to 40 CFR 372: Ammonium hydroxide

Section 15 Regulatory Information

US State Regulations

California Proposition 65: ⚠️ WARNING: This product can expose you to chemicals including methanol, which is known to the State of California to cause birth defects or other reproductive harm.

For more information go to www.P65Warnings.ca.gov.

Safe Harbor Levels - Methanol: Maximum Allowable Dose Level (MADL) – Inhalation = 47,000 µg/day, Maximum Allowable Dose Level (MADL) – Oral = 23,000 µg/day

Section 16 Other Information

Disclaimer

The following supersedes Buyer's documents. SELLER MAKES NO REPRESENTATION OR WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. No statements herein are to be construed as inducements to infringe any relevant patent. Under no circumstances shall Seller be liable for incidental, consequential or indirect damages for alleged negligence, breach of warranty, strict of liability arising in connection with the product(s). Buyer's sole remedy and Seller's sole liability for any claims shall be Buyer's purchase price. Data and results are based on controlled lab work and must be confirmed by Buyer by testing for its intended conditions of use. The product(s) has not been tested for, and is therefore not recommended for, uses for which prolonged contact with mucous membranes, abraded skin, or blood is intended; or for uses for which implantation within the human body is intended.

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