

GALAXY ASSOCIATES, INC.

4370 Malsbary Road, Suite 200
Cincinnati, Ohio 45242-5653

CHEMTREC Emergency Number: 800-424-9300
Health Emergency Number: 513-244-1211

Customer Service Number: 800-661-9443

The information on this Material Safety Data Sheet is in compliance with OSHA Hazard Communication Standard 29CFR 1910.1200. Information pertains to product as received in original container.

1. PRODUCT IDENTIFICATION

PRODUCT: **GF ADJUST 213**

HMIS RATING:

HEALTH:	3
FLAMMABILITY:	0
REACTIVITY:	0
OTHER:	

0 = Insignificant 1 = Slight 2 = Moderate 3 = High 4 = Severe

2. HAZARDOUS INGREDIENT INFORMATION

The following ingredients have been found to be hazardous according to OSHA 1910.1200. Please refer to additional information in Section 16 for details on the hazards of these ingredients.

Hazardous Ingredient	CAS Number	% w/w	TLV
Sodium Hydroxide	1310-73-2	45-50	2 mg/m3 Ceiling

3. HAZARDS IDENTIFICATION

ROUTES OF EXPOSURE: Eye, Skin, Inhalation

HUMAN HEALTH HAZARDS: Corrosive. Will cause eye burns and permanent tissue damage. May cause severe skin irritation or tissue damage depending on the length of exposure. Ingestion causes chemical burns to the mouth, throat and stomach. Inhalation in high concentrations, is irritating to eyes, nose, throat and lungs.

GALAXY ASSOCIATES, INC.

4370 Malsbary Road, Suite 200
Cincinnati, Ohio 45242-5653

CHEMTREC Emergency Number: 800-424-9300
Health Emergency Number: 513-244-1211

Customer Service Number: 800-661-9443

4. FIRST AID MEASURES

For eye contact, immediately flush eyes with water for at least 15 minutes holding eyelids apart. Get immediate medical attention. For skin contact, immediately flush with plenty of water for at least 15 minutes. Remove contaminated clothing. Wash affected area immediately with plenty of water. Get immediate medical attention. Contaminated clothing, shoes, and leather goods must be discarded or cleaned before re-use. If ingested, DO NOT INDUCE VOMITING. If conscious, give large quantities of water. Get immediate medical attention. For inhalation, remove to fresh air. Treat symptoms. Get medical attention.

Note to Physician:

Probable mucosal damage may contraindicate the use of gastric lavage. Based on the individual reactions of the patient, the physician's judgment should be used to control symptoms and clinical condition.

5. FIRE FIGHTING MEASURES

FLASHPOINT: None

EXTINGUISHING MEDIA: Use extinguishing media appropriate to surrounding fire.

FIRE AND EXPLOSION HAZARDS: Contact with reactive metals (e.g. aluminum) may result in the generation of flammable hydrogen gas.

PROTECTIVE EQUIPMENT FOR EMERGENCY RESPONSE: In case of fire, wear self contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES

EMERGENCY RESPONSE RECOMMENDATIONS: Restrict access to area. Ventilate area. Do not touch spilled material. Clean-up should be conducted by trained personnel only. Stop leaks. Use proper personal protective equipment.

CLEAN UP RECOMMENDATIONS: Small Spills – Soak up spill with absorbent material. Place residues in suitable, covered, properly labeled container. Wash affected area. Large Spills – Contain liquid using absorbent material or by diking. Reclaim into recovery drums for proper disposal. Wash area thoroughly with water. Contact approved waste hauler for proper disposal. Dispose of material in compliance with local, state and federal regulations.

GALAXY ASSOCIATES, INC.

4370 Malsbary Road, Suite 200
Cincinnati, Ohio 45242-5653

CHEMTREC Emergency Number: 800-424-9300
Health Emergency Number: 513-244-1211

Customer Service Number: 800-661-9443

7. HANDLING AND STORAGE

HANDLING AND STORAGE: Do not get in eyes, on skin, or on clothing. Do not take internally. Use with adequate ventilation. Do not mix with acids. Avoid generating mists or aerosols. Keep containers closed when not in use. Store separately from acids.

8. PERSONAL PROTECTION RECOMMENDATIONS

Respiratory Protection: If mists, vapors or aerosols are generated, use a NIOSH approved respirator. Use adequate local exhaust ventilation during use.

Eye Protection: Face shield with chemical goggles

Hand Protection: Chemical resistant gloves, Neoprene, Nitrile, PVC, Rubber

Protective Equipment: Eye wash and safety shower. If clothing is contaminated, remove clothing and thoroughly wash affected area. Launder contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance	Water white to slightly turbid
Odor	Odorless
Solubility in Water	Complete
Density	12.73 lb/gal.
PH (1%)	13.5

10. STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: High temperatures, direct sunlight

MATERIALS TO AVOID: Contact with strong acids (e.g. sulfuric, phosphoric, nitric, hydrochloric, chromic, sulfonic) may generate heat, splattering or boiling and toxic vapors. Avoid contact with reactive metals. Prolonged contact with aluminum may produce flammable hydrogen gas.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon and nitrogen

GALAXY ASSOCIATES, INC.4370 Malsbary Road, Suite 200
Cincinnati, Ohio 45242-5653CHEMTREC Emergency Number: 800-424-9300
Health Emergency Number: 513-244-1211

Customer Service Number: 800-661-9443

11. TOXICOLOGICAL DATA

No toxicity studies have been conducted on this product.

CARCINOGENICITY: This product does not contain ingredients listed as carcinogens by IARC (International Agency for Research on Cancer), the NTP (National Toxicology Program), or ACGIH (American Conference of Governmental Industrial Hygienists).

12. ECOLOGICAL INFORMATION**ECOLOGICAL EFFECTS:**

No toxicity studies have been conducted on this product.

13. DISPOSAL CONSIDERATIONS

This product is corrosive. Contact a licensed hazardous waste transporter for proper treatment and disposal. Consult local, state, and federal regulations for specific requirements.

14. TRANSPORTATION INFORMATION

The Proper Shipping Name listed below is based on DOT regulations and may vary by package size and mode of transportation. This information is for informational purposes and should not replace the Bill of Lading (shipping paper) .

LAND TRANSPORT: UN1824, Sodium Hydroxide Solution, 8, PGII

Bulk Transport: UN1824, Sodium Hydroxide Solution, 8, PGII (RQ 2,000 lbs./908 Kg)

15. REGULATORY INFORMATION

The following information is based on national regulations:

TSCA: All ingredients used in the make up of this product are listed on TSCA (Toxic Substance Control Act).

WHMIS CLASSIFICATION: Class E

CERCLA/SUPERFUND, 40 CFR 117.302: This product contains the following reportable quantity.

GALAXY ASSOCIATES, INC.4370 Malsbary Road, Suite 200
Cincinnati, Ohio 45242-5653CHEMTREC Emergency Number: 800-424-9300
Health Emergency Number: 513-244-1211

Customer Service Number: 800-661-9443

RQ Substance

Sodium Hydroxide

RQ

2,000 lbs. (908 Kg)

SARA Title III, Section 302, Extremely Hazardous Substances , 40 CFR 355:

This product does not contain Extremely Hazardous Substances.

SARA Title III, Sections 311 and 312, Material Safety Data Sheet Requirements, 40 CFR**370:** Immediate (Acute) Health Hazard**SARA Title III, Section 313, List of Toxic Chemicals, 40 CFR 372:**

This product does not contain substances on the List of Toxic Chemicals.

State Right to Know Laws (Reportable Chemicals):

Sodium Hydroxide

16. Other Pertinent Product Information**CAUTION STATEMENT****DANGER:** Highly Alkaline Liquid. Corrosive. Contains potassium hydroxide and/or sodium hydroxide. Burns skin and eyes on contact. Harmful if swallowed. Do not get in eyes or on skin or clothing. Do not take internally.

For eye contact, immediately flush eyes with water for at least 15 minutes holding eyelids apart. Get immediate medical attention. For skin contact, immediately flush with plenty of water for at least 15 minutes. Remove contaminated clothing. Wash affected area immediately with plenty of water. Get immediate medical attention. Contaminated clothing, shoes, and leather goods must be discarded or cleaned before re-use. If ingested, DO NOT INDUCE VOMITING. If conscious, give large quantities of water. Get immediate medical attention. For inhalation, remove to fresh air. Treat symptoms. Get medical attention.

Open drums slowly to vent. Handle with rubber gloves, rubber apron, chemical goggles, face mask, and rubber boots. Avoid breathing vapor or mist. When preparing solutions or making additions, add only to cool water with stirring. Improper addition of this product can cause splashback, resulting in serious chemical burns. Eye wash and safety shower, or some other means of washing product off personnel, must be immediately available. Personnel handling this product should be acquainted with its characteristics and dangers. Do not mix with acids as a hazardous gas will result. Keep out of reach of children.

L02-04

Prepared by: Product Safety Group**Date Prepared: 8/29/2010****Supersedes: 5/16/2008**