

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product Name: NuGenTec F409 - 5x concentrate
Product Number: GPF115
CAS Number: Blend

Company Identification

NuGeneration Technologies, LLC www.nugentec.com
100 Professional Center Drive Suite 101
Rohnert Park, CA 94928 USA
(707) 820-4080 (For product information)
1-800-424-9300 or 1-202-483-7616 (CHEMTREC) (For emergencies)

SPECIAL NOTES:

All purpose cleaner with Quat. Compare to Formula 409(r). Powers through tough grease and grime, including food stains and fingerprints. Dissolves bathroom soils, including soap scum, on contact.

Kills Bacteria (Escherichia coli, Salmonella choleraesuis, Staphylococcus aureus, Streptococcus pyogenes).

Hazardous to Humans and Domestic Animals.

General Cleaning: Spray product straight onto soils and wipe clean with a dry paper towel or lint free cloth. Repeat for heavily soiled areas.

To Sanitize non-food contact surfaces and deodorize: Spray until thoroughly wet. Let stand 30 seconds. Then wipe. For heavily soiled areas a pre-cleaning is required.

Not recommended for use on, soft vinyl, varnishes or aluminum. For painted surfaces test small area first.

Concentrated product - Dilute 4:1 with Water.

2. COMPOSITION/INFORMATION ON INGREDIENTS

100.0% NuGenTec F409 - 5x concentrate

CONTAINING:

HAZARDOUS AND/OR REGULATED COMPONENTS

Chemical Name	Amount	CAS Number
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DIPROPYLENE GLYCOL MONOMETHYL ETHER	< 50.0 %	34590-94-8
QUATERNARY AMMONIUM CHLORIDES	1.5 %	68391-01-5

NuGenTec

NuGenTec F409 - 5x concentrate
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POTASSIUM HYDROXIDE < 5.0 % 1310-58-3

NON-HAZARDOUS COMPONENTS

Chemical Name	Amount	CAS Number
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NON-IONIC SURFACTANT	< 5.0 %	68603-25-8

(See Section 8 for exposure guidelines)
(See Section 15 for regulatory information)

COMPOSITION COMMENT:

Active ingredient: Alkyl (C12-C18) dimethyl benzyl ammonium chloride
0.3%, at use concentration.

This product is Biodegradable. This product contains NO Chelates.
Contains no phosphates.

KEEP OUT OF REACH OF CHILDREN.
Do Not Take internally (do not Drink)!

HAZARDS DISCLOSURE

This product contains hazardous materials as defined by the OSHA Hazard
Communication Standard 29 CFR 1910.1200.

As defined under Sara 311 and 312, this product contains no known
hazardous materials.

MISCELLANEOUS:

Contains Potassium Hydroxide.

3. HAZARDS IDENTIFICATION

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***** EMERGENCY OVERVIEW *****
*
* WARNING
*
* Can cause skin/eye irritation and or burns. Do not
* take internally.
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HMIS Rating - Health: 2
Flammability: 0
Reactivity: 0
Personal Protection Index: C

NFPA Rating - Health: 2
Flammability: 0
Reactivity: 0
Special Hazard: Corrosive

NFPA/HMIS Definitions: (0-Least, 1-Slight, 2-Moderate, 3-High,
4-Extreme). These values are obtained using the guidelines or published
evaluations prepared by the National Fire Protection Association (NFPA) or
the National Paint and Coating Association (for HMIS ratings).

POTENTIAL HEALTH EFFECTS

EYE:

Contact causes severe eye irritation.

SKIN:

Contact may cause severe skin irritation.

INHALATION:

No known hazards in normal industrial use.

INGESTION:

Ingestion is not considered a potential route of exposure. May cause diarrhea, nausea, abdominal cramps. If ingested seek prompt medical attention.

SIGNS AND SYMPTOMS OF EXPOSURE:

If exposed areas are flushed promptly and thoroughly with water, there should be little or no harm. This product is completely soluble in water.

CARCINOGENICITY INFORMATION:

No known cancer hazards.

MISCELLANEOUS:

Slippery, can cause falls if walked on.

4. FIRST AID MEASURES

EYE CONTACT FIRST AID:

Flush eye with water for 15 minutes. Get medical attention if irritation develops or persists.

SKIN CONTACT FIRST AID:

Immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if irritation develops or persists.

INHALATION FIRST AID:

Although this product is not known to cause respiratory problems, if breathing is difficult, remove to fresh air and provide oxygen.

INGESTION FIRST AID:

Get medical attention immediately. Do not induce vomiting.

STATEMENT OF PRACTICAL TREATMENT:

Always have plenty of water available for first aid.

NOTES TO PHYSICIAN:

Treat patient symptomatically.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

COC Flash Point: N/A

Autoignition Temperature: N/A

FLAMMABLE LIMITS IN AIR

LEL: N/A

UEL: N/A

EXTINGUISHING MEDIA:

Will not burn.

FIRE FIGHTING INSTRUCTIONS:

Contaminated extinguishing water must be disposed of in accordance with applicable regulations.

6. ACCIDENTAL RELEASE MEASURES

SAFEGUARDS (PERSONNEL):

Protect skin and eyes from exposure.

INITIAL CONTAINMENT:

Contain spilled material.

LARGE SPILLS PROCEDURE:

Forms smooth, slippery surfaces on floors, posing an accident risk. Dilute with water and wash to waste water treatment system. Large spills may be neutralized with dilute acid solutions. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

SMALL SPILLS PROCEDURE:

Floor may become slippery. Dispose into waste water treatment facility.

7. HANDLING AND STORAGE

RECOMMENDED STORAGE TEMPERATURE

Minimum: 4.4 C (39.9 F)

Maximum: 48.9 C (120.0 F)

HANDLING (PERSONNEL):

Avoid contact with eyes, skin, and clothing.

HANDLING (PHYSICAL ASPECTS):

Keep out of reach of children. Keep from freezing. Keep container closed to avoid contamination. Store in a cool dry area.

STORAGE PRECAUTIONS:

Do not stack pails more than three pallets high. Do not stack drums more than two pallets high. Keep from freezing. Keep container closed when not in use.

MISCELLANEOUS:

Do not stack over two pallets high.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS:

No special ventilation requirements.

EYE / FACE PROTECTION REQUIREMENTS:

When splashing of the material may occur, chemical goggles and a face shield are recommended.

SKIN PROTECTION REQUIREMENTS:

Wear protective gloves to minimize skin contamination.

RESPIRATORY PROTECTION REQUIREMENTS:

Under normal use conditions, with adequate ventilation, no special handling equipment is required.

MISCELLANEOUS:

Where an apron and protective clothing.

EXPOSURE GUIDELINES:

Dipropylene Glycol Monomethyl Ether

OSHA PEL: 100 ppm, 600 mg/m³

OSHA TWA: 100 ppm, 600 mg/m³

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM	Liquid
COLOR	Brilliant Green
ODOR	Quat like odor
BOILING POINT	>212 F
SOLUBILITY IN WATER	Complete
SPECIFIC GRAVITY	1.03 (Water = 1)
BULK DENSITY	8.7
MELTING/FREEZING POINT	32 F
PH	12.8
% VOLATILES	50 %
VOLATILE ORGANIC COMPOUNDS (VOC)	500 G/L

10. STABILITY AND REACTIVITY

STABILITY:

Stable.

POLYMERIZATION:

Hazardous polymerization will not occur.

INCOMPATIBILITY WITH OTHER MATERIALS:

None known.

DECOMPOSITION:

Decomposition will not occur if handled and stored properly.

CONDITIONS TO AVOID:

Avoid contact with this material and Aluminum or galvanized surfaces.
This material is safe under normal storage and handling conditions.

MISCELLANEOUS:

Avoid high heat, sunlight and ultra-violet light.

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS:

Can cause severe eye irritation.

SKIN EFFECTS:

Contact may cause skin irritation, rash or burns.

ACUTE ORAL EFFECTS:

No known hazards in normal industrial use.

ACUTE INHALATION EFFECTS:

No known hazards in normal industrial use.

REPRODUCTION AND BIRTH EFFECTS:

There are no known or reported effects on reproductive function or fetal development.

CHRONIC EFFECTS /:

There are no known or reported effects from repeated exposure.

12. ECOLOGICAL INFORMATION

No information available.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements. For additional waste disposal information contact your local NuGenTec representative at (888) 99-NuGen. Uncleaned empty containers should be disposed of in the same manner as the contents.

CONTAMINATED MATERIALS:

Wash contaminated clothing before reuse.

CONTAINER DISPOSAL:

Clean out containers prior to disposal.

14. TRANSPORTATION INFORMATION

PRODUCT LABEL: NuGenTec F409 - 5x concentrate
D.O.T. SHIPPING NAME: Corrosive Liquid
TECHNICAL SHIPPING NAME ...: Corrosive Liquid, Potassium Hydroxide
D.O.T. HAZARD CLASS: Corrosive
UN NUMBER: 1760 Corrosive Liquid, NOS
PRODUCT RQ (LBS): 50,000
D.O.T. LABEL: NOBIN Non-Hazardous
D.O.T. PLACARD: #8
BULK CLASS: N/A
PACKAGE CLASS: 55, PG III

MISCELLANEOUS:

Export Classification, organic surface active agents (other than soap),
washing preparations and cleaning preparations, schedule B # 3402.90.5030.

15. REGULATORY INFORMATION

EEC Symbols and Indications of Danger:
Corrosive (C)

R-Phrases:

R34 - Causes burns.

S-Phrases:

S25 - Avoid contact with eyes.

S26 - In case of contact with eyes, rinse immediately with plenty of
water and seek medical advice.

WHMIS Hazard Symbols:

Class E - Corrosive Material

Canadian Disclosure List

Potassium Hydroxide (1310-58-3)

CERCLA Hazardous Substances

Potassium Hydroxide (1310-58-3) -- RQ 1000 lb

FDA (FOOD AND DRUG ADMINISTRATION):

Not recommended for cleaning of direct food contact surfaces.

MISCELLANEOUS INFORMATION:

This material or all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substance Control Act (TSCA). This material or all of its components are listed on the Canadian Domestic Substances List (DSL). This material or all of its components are listed (or considered as having been notified) on the European Inventory of Existing Chemical Substances (EINECS).

16. OTHER INFORMATION

PREPARED BY: Donato Polignone
APPROVAL DATE: May 31, 2007
SUPERCEDES DATE ...: November 17, 2002
PRD NUMBER: GPF115 (Official Copy)

ADDITIONAL INFORMATION:

The data in this Material Safety Data Sheet relates only to the specific material designated herein. It does not relate to use in combination with any other material or in any process.

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of NuGeneration Technologies, LLC. The data on this sheet are related only to the specific material designated herein. NuGeneration Technologies, LLC assumes no legal responsibility for use or reliance upon these data.

END OF MSDS
