

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product Name: **Liquid Laundry DET**
Product Number: GPR002
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 (For emergencies - CHEMTREC)

SPECIAL NOTES:

This product is Biodegradable. This product contains no ammonia or amines.

2. COMPOSITION/INFORMATION ON INGREDIENTS

100.0% Liquid Laundry Det

CONTAINING:

HAZARDOUS AND/OR REGULATED COMPONENTS

Chemical Name	Amount	CAS Number
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NON-HAZARDOUS COMPONENTS

Chemical Name	Amount	CAS Number
ANIONIC SURFACTANT	< 15.0 %	27177-77-1
SEQUESTERING AGENT	< 2.0 %	526-95-4
NON-IONIC SURFACTANT	< 10.0 %	68603-25-8

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

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.

3. HAZARDS IDENTIFICATION

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***** EMERGENCY OVERVIEW *****
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* Alkaline Cleaning compound, can cause skin and eye
* irritation.
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HMIS Rating - Health: 1
Flammability: 0
Reactivity: 0
Personal Protection Index: B

NFPA Rating - Health: 1
Flammability: 0
Reactivity: 0
Special Hazard: None

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:

Can cause eye irritation.

SKIN:

Prolonged or repeated contact may result in drying of the skin which may result in skin irritation and possible burns.

INHALATION:

No hazards expected in normal industrial use at room temperature.

INGESTION:

Ingestion is not considered a potential route of exposure. Small amounts (a tablespoonful) swallowed during normal handling operations are not likely to cause injury; swallowing amounts larger than that may cause injury.

SIGNS AND SYMPTOMS OF EXPOSURE:

If exposed areas are flushed promptly and thoroughly with water, there should be little or no harm.

CHRONIC EFFECTS:

Prolonged and/or repeated contact may produce mild to moderate skin irritation or inflammation.

CARCINOGENICITY INFORMATION:

No known cancer hazards.

MISCELLANEOUS:

Solutions extremely slippery when spilled. Poses little or no immediate hazard.

4. FIRST AID MEASURES

EYE CONTACT FIRST AID:

Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists.

SKIN CONTACT FIRST AID:

Immediately wash skin with plenty of soap and water. Wash contaminated clothing before reuse. 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. Get medical attention if cough or other symptoms develop.

Remove from area of exposure. Seek immediate medical attention if respiratory irritation or distress continues.

INGESTION FIRST AID:

Swallowing less than an ounce will not cause significant harm. Give milk or water. Contact a physician for further information.

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: None

TCC Flash Point: None

Autoignition Temperature: None

FLAMMABLE LIMITS IN AIR

LEL: None

UEL: None

EXTINGUISHING MEDIA:

Will not burn.

FIRE & EXPLOSION HAZARDS:

Material will not burn.

FIRE FIGHTING INSTRUCTIONS:

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

COMBUSTION PRODUCTS:

Carbon Monoxide, carbon dioxide, and other oxides may be generated as products of combustion.

6. ACCIDENTAL RELEASE MEASURES

SAFEGUARDS (PERSONNEL):

Protect skin and eyes from exposure.

INITIAL CONTAINMENT:

Floor may become slippery. Contain spilled material. Wash area to

prevent slipping. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

LARGE SPILLS PROCEDURE:

Forms smooth, slippery surfaces on floors, posing an accident risk. Clean up spills immediately, observing precautions in Protective Equipment section. Neutralize spill with a weak acid such as vinegar or acetic acid. Flush spill area with water to wastewater treatment system. After removal, flush contaminated area thoroughly with water. Or, absorb spill with inert material (e g, dry sand or earth), then place in a chemical waste container dispose of in an approved sanitary landfill. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

SMALL SPILLS PROCEDURE:

Floor may become slippery. Wash with water or absorb spills with inert material. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

7. HANDLING AND STORAGE

RECOMMENDED STORAGE TEMPERATURE

Minimum: 4.4 C (39.9 F)
Maximum: 48.9 C (120.0 F)

SHELF LIFE: (in original, sealed containers)

5 years @ 4.4 C
3 years @ 48.9 C

HANDLING (PERSONNEL):

Avoid contact with eyes, skin, and clothing. Empty drums should be completely drained (triple rinsed), properly bunged, and promptly returned to a drum re-conditioner, or properly disposed of. Wash hands thoroughly after handling. Wash contaminated clothing before reuse.

HANDLING (PHYSICAL ASPECTS):

Keep container closed to avoid contamination.

STORAGE PRECAUTIONS:

Store in a cool dry place. Do not stack drums more than three pallets high. Store in a tightly closed container.

MISCELLANEOUS:

Do not stack over three pallets high.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS:

Good general ventilation should be sufficient to control airborne levels. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

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 contact. Nitrile rubber and PVC are suitable protective materials; Neoprene is recommended. Wash hands thoroughly after handling.

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:

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM: Liquid
COLOR: Green
ODOR: Lemon scent
BOILING POINT: >212 F
VAPOR DENSITY: >1 (Air = 1)
SOLUBILITY IN WATER: Complete
SPECIFIC GRAVITY: 1.061 (Water = 1)
BULK DENSITY: 8.85
MELTING/FREEZING POINT ...: 32 F
PH: <11
PH (5% B.V.): <11

MISCELLANEOUS:

This Product is an all purpose cleaner and degreaser safe on most surfaces.

10. STABILITY AND REACTIVITY

STABILITY:

Stable.

POLYMERIZATION:

Hazardous polymerization will not occur.

INCOMPATIBILITY WITH OTHER MATERIALS:

May react with acidic materials.

DECOMPOSITION:

Decomposition will not occur if handled and stored properly. Product may decompose at temperatures above 270°C and release carbon, nitrogen or oxides.

CONDITIONS TO AVOID:

This material is safe under normal storage and handling conditions.

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS:

This product is minimally irritating to the eyes upon direct contact.

SKIN EFFECTS:

This product is not expected to cause any skin irritation upon direct single or repeated and prolonged contact.

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:

Uncleaned empty containers should be disposed of in the same manner as the contents. Dilute or neutralize with acid and discharge to an industrial sewage treatment facility. Or bury in an approved sanitary landfill. 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.

CONTAMINATED MATERIALS:

Wash contaminated clothing before reuse.

CONTAINER DISPOSAL:

Clean out containers prior to disposal.

14. TRANSPORTATION INFORMATION

PRODUCT LABEL	Liquid Laundry Det
D.O.T. SHIPPING NAME	Cleaning Compound
TECHNICAL SHIPPING NAME ...	Non-Regulated Material
D.O.T. HAZARD CLASS	Non-Hazardous
UN NUMBER	N/A
PRODUCT RQ (LBS)	N/A
D.O.T. LABEL	NOBIN Non-Hazardous
D.O.T. PLACARD	N/A
BULK CLASS	N/A
PACKAGE CLASS	55

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:
None

FDA (FOOD AND DRUG ADMINISTRATION):
This Product Meets FDA/USDA requirements for cleaning in the food processing industry.

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 30, 2007
SUPERCEDES DATE ...: January 29, 2003
PRD NUMBER: GPR002 (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
