

MATERIAL SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION AND USE

Product Identification

Product Name: Machine Rinse
Product Number: GPH501
Synonyms: AutoDishWash Rinse Aid, Dish Washing machine Rinse-aid
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:

This product is Biodegradable.

2. HAZARDOUS INGREDIENTS

Chemical Name	Amount	CAS Number
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MIXED INORGANIC SALTS	< 8.0 %	trade secret
NONIONIC SURFACTANT BLEND	< 1.0 %	68603-25-8

COMPOSITION COMMENT:

This product does not contain any ingredients which are know to the state of California to cause cancer, birth defects, or other reproductive harm. This product is formulated with NON-Hazardous ingredients only. This Product Meets FDA/USDA requirements for cleaning in the food processing industry.

EXPOSURE GUIDELINES:

No Information Available.

3. PHYSICAL DATA

FORM: Liquid
COLOR: No color
ODOR: No odor
BOILING POINT: >212 F
SOLUBILITY IN WATER: Complete
SPECIFIC GRAVITY: 1.008 (Water = 1)
BULK DENSITY: 8.41
MELTING/FREEZING POINT ...: 32 F
PH: 5 to 8
% VOLATILES: 0 %
PH (5% B.V.): 5 to 8 (depending on water mixed with product)

INHALATION:

No hazards expected in normal industrial use at room temperature. Vapors and/or aerosols which may be formed at elevated temperatures may be irritating to eyes and respiratory tract.

INGESTION:

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.

CARCINOGENICITY INFORMATION:

No known cancer hazards.

MISCELLANEOUS:

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

4. FIRE AND EXPLOSION DATA

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.

5. REACTIVITY DATA

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.

6. TOXICOLOGICAL PROPERTIES

EYE:

May be slightly irritating.

SKIN:

Contact may cause skin irritation.

INHALATION:

No hazards expected in normal industrial use at room temperature. Vapors and/or aerosols which may be formed at elevated temperatures may be irritating to eyes and respiratory tract.

INGESTION:

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.

CARCINOGENICITY INFORMATION:

No known cancer hazards.

MISCELLANEOUS:

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

EYE EFFECTS:

Can cause severe eye irritation.

SKIN EFFECTS:

Contact may cause skin irritation.

ACUTE ORAL EFFECTS:

No know hazards in normal industrial use.

ACUTE INHALATION EFFECTS:

No know hazards in normal industrial use.

7. PREVENTITIVE MEASURES

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. Empty drums should be completely drained (triple rinsed), properly bunged, and promptly returned to a drum reconditioner, 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.

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:

Wear an apron and protective clothing.

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 and 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.

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.

8. 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 while removing 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. 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:

Give milk or water. Do not induce vomiting. Get medical attention immediately.

STATEMENT OF PRACTICAL TREATMENT:

Always have plenty of water available for first aid.

NOTES TO PHYSICIAN:

Treat patient symptomatically.

9. PREPARATION DATE OF MSDS

Prepared By.....: Donato Polignone
Approval Date.....: May 29, 2007
Supersedes Date...: August 30, 2001
PRD Number.....: GPH501 (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
