

MATERIAL SAFETY DATA SHEET

MilliCare™ Detergent Residue Neutralizer

According to 2001/58/EC

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product Name: MilliCare™ Detergent Residue Neutralizer
Chemical Family: Surfactant Blend
CAS Number: Blend

Company Identification

Sylvan Chemical Co., Inc.
La Grange, Georgia 30240 USA
1-888-886-2273 (For questions and emergencies)
1-800-424-9300 or 1-703-527-3887 (CHEMTREC)

PRODUCT USE:

Cleaner.

2. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT LISTING:

Chemical Name	Amount	CAS Number	EU Annex 1
WATER	90.0 - 98.0 %		Not Listed
CLEANING SOLUTION (NON-IONIC SURFACTANT, CITRIC ACID, PRESERVATIVE)	5.0 - 10.0 %		Not Listed

EMERGENCY OVERVIEW:

The health hazards of this product should be low under normal industrial and commercial uses.

HFRP Rating:

Health - 1
Flammability - 0
Reactivity - 0
Personal Protection Index - B

NFPA/HFRP 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 an internally derived Milliken system (for HFRP ratings).

EYE:

May be slightly irritating. Not known to cause permanent injury to eye tissue.

SKIN:

May cause skin irritation after repeated or prolonged use. Prolonged or repeated contact may irritate the skin and cause a skin rash (dermatitis).

INHALATION:

No information regarding inhalation available. No known hazards when used according to container instructions.



INGESTION:

No information regarding ingestion available. No known hazards in normal industrial use.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

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4. FIRST AID MEASURES

EYE CONTACT FIRST AID:

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists.

SKIN CONTACT FIRST AID:

Wash affected area with large amounts of soap and water. 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.

INGESTION FIRST AID:

If swallowed, immediately give 2 glasses of water. Contact a physician. Never give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

COC Flash Point: >260 C (> 500.0 F)
Autoignition Temperature: N/A

FLAMMABLE LIMITS IN AIR

LEL: N/A



UEL: N/A

EXTINGUISHING MEDIA:

Water, carbon dioxide, foam or dry powder. Use water spray to cool fire exposed containers.

FIRE & EXPLOSION HAZARDS:

No known unusual hazards in a fire/explosion situation.

FIRE FIGHTING INSTRUCTIONS:

As in any fire, wear self-contained breathing apparatus pressure-demand MSHA/NIOSH (approved or equivalent) and full protective gear. Evacuate non-emergency personnel to a safe area. Contain runoff water.

6. ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURE:

Clean up area by absorbent material. All waste materials should be packaged, labeled, and transported in accordance with all national, state/provincial, and local requirements.

INITIAL CONTAINMENT:

Contain spilled material. All waste materials should be packaged, labeled and transported in accordance with all national, state/provincial, and local requirements.

7. HANDLING AND STORAGE

HANDLING (PERSONNEL):

Avoid prolonged contact with skin or eyes. Wash hands thoroughly after handling.

STORAGE PRECAUTIONS:

Keep container tightly closed. Avoid extreme temperatures. Eliminate all sources of ignition - heat, sparks, flame, electricity, impact and friction.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

ENGINEERING CONTROLS:

Good general ventilation should be sufficient to control airborne levels.

EYE / FACE PROTECTION REQUIREMENTS:

Where contact with this material is likely, chemical goggles are recommended.

SKIN PROTECTION REQUIREMENTS:

When prolonged or frequently repeated contact could occur, use protective clothing impervious to this material.

RESPIRATORY PROTECTION REQUIREMENTS:

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

EXPOSURE GUIDELINES:

No Information Available.

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM:	Thin Liquid
COLOR:	Colorless
ODOR:	Slight, sweet odor



BOILING POINT:	100 C
SOLUBILITY IN WATER:	Miscible
SPECIFIC GRAVITY:	0.996 (Water = 1)
PH:	2.1-2.9
% VOLATILES:	95-99 %
VOLATILE ORGANIC COMPOUNDS (VOC):	None

10. STABILITY AND REACTIVITY

STABILITY:

This product is stable at ambient conditions.

POLYMERIZATION:

Hazardous polymerization will not occur.

INCOMPATIBILITY WITH OTHER MATERIALS:

Avoid contact with strong bases.

DECOMPOSITION:

Decomposition will not occur if handled and stored properly.

11. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL TESTING:

The dermal sensitization in Guinea pigs, using the closed patch technique, for this product is considered to be not a skin sensitizer.

The primary eye irritation in rabbits for this material was determined to be not a primary eye irritant.

The acute oral toxicity (LD50) in rats for this material was determined to be greater than 5000mg/kg.

12. ECOLOGICAL INFORMATION

No information available.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

All waste materials should be packaged, labeled and transported in accordance with all national, state/provincial, and local requirements. Uncleaned empty containers should be disposed of in the same manner as the contents.

14. TRANSPORT INFORMATION

PRODUCT LABEL:	MilliCare™ Detergent Residue Neutralizer
D.O.T. HAZARD CLASS:	Non-Hazardous

15. REGULATORY INFORMATION

CHEMICAL INVENTORY INFORMATION:

This material or all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substance Control Act (TSCA).



WHMIS Hazard Symbols:

None

EEC Symbols and Indications of Danger:

None

R-Phrases:

None

S-Phrases:

None

16. OTHER INFORMATION

PREPARED BY:	Steven Brown
APPROVED BY:	John Bruhnke
TITLE:	Regulatory Specialist
APPROVAL DATE:	February 16, 2004
SUPERCEDES DATE:	January 30, 2004
MSDS NUMBER:	820654

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