



MATERIAL SAFETY DATA SHEET

I. PRODUCT AND COMPANY INFORMATION

TRADE NAME: Renew Extra
CHEMICAL FAMILY: LIQUID LAUNDRY DETERGENT

HCS Division of Washing Systems, LLC. (WSI)
5579 Spellmire Dr.
Cincinnati, OH 45246
513-870-4830
EMERGENCY CONTACT: CHEMTREC (800-424-9300)

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Version: 1

II. HAZARDOUS INGREDIENTS

The materials listed in this data sheet are classified as **HAZARDOUS** in accordance with the definition set forth by the Occupational Safety and Health Administration in 29 CFR 1910.1200.

<u>CHEMICAL NAME</u>	<u>COMMON NAME</u>	<u>EXPOSURE LIMIT</u>
Nonylphenoxy (polyethyleneoxy) ethanol	Nonionic Surfactant	UNK
Triethanolime	Triethanolamine	UNK

III. PHYSICAL/CHEMICAL CHARACTERISTICS

<u>APPEARANCE & ODOR</u>	<u>VAPOR DENSITY (AIR=1)</u>	<u>BOILING POINT</u>	<u>SOLUBILITY IN WATER</u>
Light Blue Liquid, Bland Odor	>1	UNK	Soluble (>1%)
<u>SPECIFIC GRAVITY</u>	<u>EVAPORATION RATE (N-Butyl Acetate=1)</u>	<u>VAPOR PRESSURE (mmHg)</u>	<u>MELTING POINT</u>
1.06	Negligible	UNK	N/A

IV. FIRE AND EXPLOSION DATA

<u>FLASHPOINT</u>	<u>FLAMMABLE LIMITS (lower limit) (upper limit)</u>	<u>AUTO IGNITION TEMP</u>
>241°F (CC)	UNK UNK	UNK

EXTINGUISHING AGENTS: Dry Chemical, Alcohol Foam, Carbon Dioxide, or Water Fog.

SPECIAL FIRE FIGHTING PROCEDURES: Wear full protective clothing and self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

V. REACTIVITY DATA

<u>STABILITY</u>	<u>HAZARDOUS DECOMPOSITION PRODUCTS</u>	<u>MATERIALS TO AVOID</u>	<u>HAZARDOUS POLYMERIZATION</u>
Stable	Heating in air may produce irritating aldehydes, ketones, and acids, carbon dioxide and carbon monoxide.	Strong Oxidizers and Open Flame	Will not occur.

VI. HEALTH HAZARD DATA

<u>SKIN:</u>	<u>ACUTE</u>	Primary skin irritant, severely irritating with redness and edema. May cause dermatitis on prolonged or repeated contact.
	<u>CHRONIC</u>	None Known.
<u>EYES:</u>	<u>ACUTE</u>	Causes severe eye irritation.
	<u>CHRONIC</u>	None Known
<u>INHALATION:</u>	<u>ACUTE</u>	Exposure to mist may cause mucous membrane irritation.
	<u>CHRONIC</u>	None known.
<u>INGESTION:</u>	<u>ACUTE</u>	Could result in abdominal discomfort, nausea, and diarrhea.
	<u>CHRONIC</u>	Prolonged and repeated ingestion may result in chronic kidney and liver changes.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

None are known.

CARCINOGENICITY

OSHA: NO

IARC MONOGRAPHS: NO

NTP: NO

EMERGENCY AND FIRST AID PROCEDURES

<u>SKIN:</u>	Immediately flush area with plenty of cool water. If irritation develops, consult a physician.
<u>EYES:</u>	Immediately flush thoroughly with cool water under low pressure for at least 15 minutes, holding lids apart and moving eye to ensure flushing of the entire surface. Call a physician.
<u>INHALATION:</u>	Remove from contaminated atmosphere. For throat irritation, drink two glasses of water and call a physician.
<u>INGESTION:</u>	Never give anything by mouth to an unconscious person. If conscious, give large quantities of water. DO NOT INDUCE VOMITING. If vomiting occurs spontaneously, keep airway clear. Call a physician immediately.

VII. SPILL OR LEAK PROCEDURES

Dike to contain spill and prevent entry into sewers, waterways, and low area. Soak up pooled liquids with a suitable absorbent (e.g., clay, fullers earth, etc.). Sweep up absorbed material and dispose of in a manner approved by local, state, and federal regulations. Flush spill area with water. Contains no phosphates.

SPECIAL PRECAUTIONS

Store in a cool, well-ventilated area away from oxidizers and open flames.

VIII. CONTROL MEASURES

<u>RESPIRATORY PROTECTION</u>	<u>EYE PROTECTION</u>	<u>PROTECTIVE GLOVES</u>	<u>OTHER PROTECTIVE EQUIPMENT</u>
None for Normal Use	Safety Goggles	Butyl Rubber	Eye wash and safety shower
	<u>VENTILATION:</u> <u>Mechanical</u>	<u>Local</u>	<u>Special</u>
	Normal Air Dilution	None	None

CC = Closed Cup
 N/A = Not Applicable
 UNK = Unknown at This Time

RENEW EXTRA