

MATERIAL SAFETY DATA SHEET

MSDS G-102 REVISION 9

THE DIAL CORPORATION
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SUBSTANCE IDENTIFICATION

SUBSTANCE: CONCENTRATED LIQUID FABRIC SOFTENER

TRADE NAMES/SYNONYMS: **STA PUF® CONCENTRATED LIQUID FABRIC SOFTENER**
RINSE'N SOFT® LIQUID FABRIC SOFTENER

CHEMICAL FAMILY: Mixture

I.D. NUMBERS: 994009, 994010, 994011

NFPA RATINGS (Scale 0-4, where 4=high degree of hazard): HEALTH=1 FLAMMABILITY=1 REACTIVITY=0
HMIS RATINGS (Scale 0-4, where 4=severe hazard): HEALTH=1 FLAMMABILITY=1 REACTIVITY=0

This product is labeled in accordance with regulations administered by the Consumer Product Safety Commission. The use pattern and exposure in the workplace are generally not consistent with those experienced by consumers. The requirements of the Occupational Safety and Health Administration applicable to this Material Safety Data Sheet differ from the requirements of the CPSC and as a result, this MSDS may contain additional health hazard information not pertinent to consumer use and not found on the product label.

HAZARDOUS INGREDIENT INFORMATION

COMPONENT: QUATERNARY AMMONIUM COMPOUNDS CAS# 70914-09-9, 68410-69-5, 68389-89-9

COMPONENT: ISOPROPYL ALCOHOL CAS# 67-63-0
400 ppm (980 mg/m³) OSHA & ACGIH TWAs
500 ppm (1230 mg/m³) ACGIH STEL

Carcinogen status of components: Not listed as carcinogenic by NTP, IARC, or OSHA.

PHYSICAL AND CHEMICAL DATA

DESCRIPTION: Colored liquid with a pleasant fragrance.

SPECIFIC GRAVITY: 0.994-1.022 @ 25°C

VISCOSITY: 40-400 @ 25 °C (LVF #2 spindle-concentrated);
17-23 @ 25 °C (Zahn Cup #2, sec.-concentrated);
40-100 (RTV #1 spindle @ 20 RPM, cps-ultra)

SOLUBILITY IN WATER: Complete.

pH: 2.4-2.8 (as is-concentrated);
2.9-3.3 (10% solution-ultra)

FIRE AND EXPLOSION DATA

FIRE AND EXPLOSION HAZARD - Slight fire hazard when exposed to heat or flame.

FIRE FIGHTING MEDIA - Dry chemical, carbon dioxide, water spray, fog or regular foam.

FIRE FIGHTING - Move container from fire area if you can do it without risk. Do not scatter spilled material with high-pressure water streams. Dike fire-control water for later disposal. Use agents suitable for type of surrounding fire. Avoid breathing hazardous vapors, keep upwind.

HEALTH HAZARD DATA

NOTE: The acute health effects described below are those which could potentially occur for the finished product. They are based on the toxicology information available for the finished product and/or each hazardous ingredient, and are consistent with the product type and the likelihood of a specific route of exposure. Known chronic health effects related to exposure to a specific ingredient are indicated.

ACUTE HEALTH EFFECTS:

INHALATION: Vapors may cause mild irritation of the nose, throat and respiratory tract.

SKIN CONTACT: May cause irritation. Repeated or prolonged contact may cause dermatitis.

EYE CONTACT: May cause irritation.

INGESTION: May cause gastrointestinal irritation with nausea and vomiting.

CHRONIC HEALTH EFFECTS: None known.

MEDICAL CONDITIONS GENERALLY RECOGNIZED AS BEING AGGRAVATED BY EXPOSURE: Pre-existing skin conditions.

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Remove from exposure area to fresh air immediately. Keep affected person warm and at rest. Treat symptomatically and supportively. If breathing has stopped, give artificial respiration, and get medical attention immediately.

SKIN CONTACT: Rinse affected areas with plenty of soap and water until no evidence of product remains. Get medical attention if irritation persists.

EYE CONTACT: Immediately rinse eyes with plenty of water, occasionally lifting upper and lower lids, until no evidence of product remains. Get medical attention if pain or irritation persist.

INGESTION: Treat symptomatically and supportively. Maintain airway and respiration. If vomiting occurs, keep head below hips to prevent aspiration. Dilution by rinsing the mouth and giving water or milk to drink is generally recommended. If unconscious, the victim should not be given anything to drink. Contact physician or local poison control center.

REACTIVITY

REACTIVITY - Stable under normal temperatures and pressures.

INCOMPATIBILITIES: Strong oxidizers, acids.

DECOMPOSITION - Thermal decomposition products may include ammonia and toxic oxides of sulfur.

POLYMERIZATION - Hazardous polymerization has not been reported to occur under normal temperatures and pressures.

STORAGE AND DISPOSAL

Store away from incompatible substances. Observe all federal, state and local regulations when storing or disposing of this substance.

CONDITIONS TO AVOID

May burn but does not ignite readily. Avoid contact with incompatible substances and excessive heat.

SPILL AND LEAK PROCEDURES

OCCUPATIONAL SPILL - Stop leak if you can do it without risk. For small spills, take up with sand or other absorbent material and place into clean, dry containers for later disposal. For larger spills, dike far ahead of spill for later disposal. Keep unnecessary people away.

OCCUPATIONAL PROTECTIVE EQUIPMENT

VENTILATION - Provide local exhaust ventilation to meet permissible exposure limits, where vapors may be generated during product processing.

RESPIRATOR - Air contamination monitoring should be carried out where vapors may be generated, to assure that the employees are not exposed to harmful concentrations exceeding permissible exposure limits. If respiratory protection is required, it must be based on the contamination levels found in the workplace, must not exceed the working limits of the respirator and be jointly approved by the National Institute for Occupational Safety and Health and the Mine Safety and Health Administration (NIOSH-MSHA).

FOR FIRE FIGHTING AND OTHER IMMEDIATELY DANGEROUS TO LIFE OR HEALTH CONDITIONS -

Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode. Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained breathing apparatus operated in pressure-demand or other positive-pressure mode.

CLOTHING - Protective clothing is required where prolonged or repeated skin contact may occur.

GLOVES - Chemical-resistant gloves are required where prolonged or repeated skin contact may occur.

EYE PROTECTION - Safety glasses are required to prevent eye contact under conditions where splashing may occur.

REGULATORY INFORMATION

DOT FLAMMABILITY CLASSIFICATION: Not applicable.

EPA - SARA TITLE III SECTION 313: Not applicable - Consumer product.

TSCA: All components of this product are listed or are exempted or excluded from listing on the U.S. Toxic Substances Control Act (TSCA) chemical substance inventory.

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MSDS CREATION DATE: 03/01/89

SUPERSEDES: Rev. 8; 03/13/00

REVISION DATE: 06/03/04

REVISION: Entered retail product name.