MATERIAL SAFETY DATA SHEET
MSDS D-118 REVISION 1

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

The Dial Corporation
15101 N. Scottsdale Road
Scottsdale, Arizona 85254-9934

Medical Emergencies: 1-888-689-9082
Chemtrec: 1-800-424-9300 (24 Hours Daily)
Other Information: 1-888-468-6673

PRODUCT: HARD SURFACE CLEANER DATE OF ISSUE: 11 July 2006

TRADE NAMES/SYNONYMS: **SOFT SCRUB CLEANSER**

CHEMICAL FAMILY: MIXTURE

I.D. NUMBERS: 99102009

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=2 FLAMMABILITY=1 REACTIVITY=0

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

Our hazard evaluation has identified the following chemical substance(s) as hazardous.

INGREDIENT	CAS NUMBER	PERCENT (w/w)
CALCIUM CARBONATE	1317-65-3	30 - 60 %
SODIUM ALKYLBENZENESULFONATE	68081-81-2	1 - 5 %
LAURAMINE OXIDE	1643-20-5	1 – 5 %

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

SECTION 3: HAZARD IDENTIFICATION

EMERGENCY OVERVIEW

CAUTION: Causes eye irritation. Do not get in eyes. May cause skin irritation. For sensitive skin or prolonged use, wear gloves. KEEP OUT OF REACH OF CHILDREN.

ACUTE HEALTH EFFECTS:

INHALATION: Unlikely to occur due to the physical properties of the product.

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

EYE CONTACT: Can cause moderate-to-severe eye irritation.

INGESTION: Not an anticipated route of exposure given the nature of the finished product. Ingestion of large quantities may cause gastrointestinal irritation with nausea, vomiting and diarrhea.

CHRONIC HEALTH EFFECTS: Due to the nature and composition of this product no chronic health effects are anticipated.

MEDICAL CONDITIONS GENERALLY RECOGNIZED AS BEING AGGRAVATED BY EXPOSURE: No known health conditions are aggravated by exposure to this product.

SECTION 4: FIRST AID MEASURES

INHALATION: Immediately remove from exposure area to fresh air. Keep affected person warm and at rest. Treat symptomatically and supportively. Contact physician or local poison control center. If breathing has stopped, give artificial respiration, and get medical attention immediately.

SKIN CONTACT: Rinse affected area with large amounts of water until no evidence of product remains. Get medical attention if irritation persists.

EYE CONTACT: Immediately rinse eyes with plenty of water for at least 15 minutes while holding eyelids open. 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 a glass of water to drink is generally recommended. If unconscious, the victim should not be given anything to drink. Contact physician or local poison control center.

NOTE TO PHYSICIAN:
The physician's judgement should be used to control symptoms and clinical condition based on the individual reactions of the patient.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT: None

UPPER FLAMMABILITY LIMIT: Not available.

AUTO-IGNITION TEMPERATURE: Not available.

LOWER FLAMMABILITY LIMIT: Not available.

FIRE AND EXPLOSION HAZARD: Negligible fire hazard when exposed to heat or flame.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of Carbon, oxides of Nitrogen.

SUITABLE EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, water spray or regular foam.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS: In case of fire, wear a full face positive-pressure self contained breathing apparatus and protective suit. Move container from fire area if you can do it without risk. Apply cooling water to sides of containers that are exposed to flames until well after fire is out. Use flooding amounts of water as a fog, solid streams may be ineffective. Avoid breathing vapors; keep upwind.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS :
Ventilate spill area if possible. Do not touch spilled material. Stop or reduce any leaks if it is safe to do so. Use personal protective equipment recommended in Section 8. Notify appropriate government, occupational health and safety and environmental authorities. Keep unnecessary people away; isolate hazard area and restrict entry. Ensure clean-up is conducted by trained personnel only.

ENVIRONMENTAL PRECAUTIONS :
This product should not be directly discharged into lakes,streams, ponds, estuaries, oceans, public water supplies, or other waters.

METHODS FOR CONTAINMENT AND CLEAN UP:
SMALL SPILLS: Contain and absorb with sand or other absorbent material and place into containers for later disposal. Wash site of spillage thoroughly with water. LARGE SPILLS: Dike far ahead of spill to prevent further movement. Recover by pumping or by using a suitable absorbent material and place into containers for later disposal. No smoking, flames or flares in hazard area.

SECTION 7: HANDLING AND STORAGE

HANDLING: Do not get in eyes, on skin, on clothing. Do not take internally. Use with adequate ventilation. Avoid generating aerosols and mists. Keep the containers closed when not in use. Have emergency equipment (for fires, spills, leaks, etc.) readily available.

STORAGE: Store in a cool, dry, ventilated area out of reach of children and away from sources of heat, moisture, and incompatible substances. Store in suitable labeled containers. Store the containers tightly closed.

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

WORKER EXPOSURE LIMITS

The following exposure limits exist for the ingredients listed below. The TLV-TWA is the ACGIH Threshold Limit Value – Time Weighted Average. TLV-Ceiling Limit is the ACGIH Threshold Limit Value – Ceiling Limit. PEL is the OSHA Permissible Exposure Limit.

INGREDIENT	CAS NUMBER	EXPOSURE LIMIT
Calcium Carbonate	1317-65-3	TLV-TWA: 10 mg/m^3 (total dust), PEL: 15mg/m^3 (total dust), PEL: 5mg/m^3 (respirable fraction)

VENTILATION: Provide local exhaust or general dilution ventilation to keep potential exposure to airborne contaminants as low as possible.

ENGINEERING CONTROLS: Provide local exhaust or general dilution ventilation to keep potential exposure to airborne contaminants as low as possible.

RESPIRATOR: Air contamination monitoring should be carried out where generation of vapors is likely to occur, to assure that the employees are not exposed to harmful concentrations of any of the above mentioned components. 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 (impervious to liquids) is required where splashing of product may occur.

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

EYE/FACE PROTECTION: Splash-proof safety glasses are required to prevent eye contact where splashing of product may occur.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: White, fragranced creamy liquid with a fruity odor.

ODOR THRESHOLD:	Not available	BOILING POINT:	Not available.
SOLUBILITY IN WATER:	Partial	EVAPORATION RATE:	Not available.
VISCOSITY (Dynamic):	Not available	VAPOR PRESSURE:	Not available.
SPECIFIC GRAVITY:	1.45 g/ml	VAPOR DENSITY:	Not available.

MELTING/FREEZING POINT: Not available pH: 10.2 (10% solution)

PARTITION COEFFICIENT (n-octanol/water): Not available

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: Stable under normal conditions (temperature and pressure).

CHEMICAL STABILITY: Stable under normal conditions (temperature and pressure).

INCOMPATIBLE MATERIALS: Strong oxidizers and reducing agents. Reacts with other household chemicals such as acid toilet bowl cleaners, rust removers, acids, vinegar, and ammonia-containing products to produce hazardous gases, such as chlorine and other chlorinated compounds.

CONDITIONS TO AVOID: Avoid storing in direct sunlight, avoid extremes of temperature.

DECOMPOSITION : Thermal decomposition products may include oxides of carbon.

HAZARDOUS POLYMERIZATION: Polymerization does not occur under normal temperatures and pressures.

SECTION 11: TOXICOLOGICAL INFORMATION

The following toxicity information is available for the product and for the hazardous ingredients when used as technical grade.

PRODUCT / INGREDIENT	LD50 / DRAIZE SCORE	TOXICITY / IRRITATION RATING
ACUTE ORAL TOXICITY		
Calcium Carbonate	6,450 mg/kg (rat)	Non-hazardous

SENSITIZATION
This product is not considered a skin or respiratory sensitizer.

CARCINOGENICITY :
None of the ingredients in this product are listed as carcinogens by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP) or the Occupational Safety and Health Administration (OSHA).

MUTAGENICITY: None of the ingredients in this product are known to cause mutagenicity.

REPRODUCTIVE TOXICITY: None of the ingredients in this product are known as reproductive hazards.

SECTION 12: ECOLOGICAL INFORMATION

The environmental toxicity of this product has not been evaluated.

ENVIRONMENTAL FATE:
No environmental fate data exists for the product. The product is anticipated to be rapidly biodegradable.

PERSISTENCE AND DEGRADABILITY:
The persistence and degradability of this product has not been determined.

BIOACCUMULATION POTENTIAL:
The bioaccumulation potential of this product has not been determined.

MOBILITY:
The mobility of this product (in soil and water) has not been determined.

SECTION 13: DISPOSAL CONSIDERATIONS

If empty: Do not reuse this container. Place in trash. **If partly filled:** Call you local solid waste agency or toll free number 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain. Dispose of container and unused contents in accordance with federal, state and local requirements. State and local disposal regulations may differ from federal disposal regulations.

SECTION 14: TRANSPORT INFORMATION

DOT HAZARD CLASS: Not restricted

DOT PROPER SHIPPING NAME: Not Applicable

SECTION 15: REGULATORY INFORMATION

OSHA HAZARD COMMUNICATION RULE, 29 CFR 1910.1200 :
Based on our hazard evaluation, the following substance(s) in this product is/are hazardous and the reason(s) is/are shown below.

Calcium Carbonate	Irritant
Sodium Alkylbenzenesulfonate	Eye Irritant
Lauramine Oxide	Irritant

CALIFORNIA PROPOSITION 65: None of the ingredients are listed under California Proposition 65.

EPA - SARA TITLE III SECTION 313: This product contains no materials reportable under this section.

EPA CERCLA/SARA TITLE III SUPERFUND AMENDMENT AND REAUTHORIZATION ACT:
This product contains sodium dodecylbenzenesulfonate (CAS #25155-30-0, <2%) which is regulated under Section 304/CERCLA.

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

SECTION 16: OTHER INFORMATION

The information contained herein is provided in good faith and is believed to be correct as of the date hereof. However, The Dial Corporation makes no representation as to the comprehensiveness or accuracy of the information. It is expected that individuals receiving the information will exercise their independent judgment in determining its appropriateness for a particular purpose. Accordingly, The Dial Corporation will not be responsible for damages of any kind resulting from the use of or reliance upon such information. No representations, or warranties, either expressed or implied of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to the information set forth herein or to the product to which the information refers.

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