

# MATERIAL SAFETY DATA SHEET

## MSDS D-130      REVISION 0

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

The Dial Corporation  
19001 N. Scottsdale Road  
Scottsdale, Arizona 85255-9672

Medical Emergencies: 1-888-689-9082  
CHEMTREC: 1-800-424-9300 (24 Hours Daily)

PRODUCT: Hard Surface Cleaner      DATE OF ISSUE: October 30, 2012

TRADE NAMES/SYNONYMS: Soft Scrub® Advanced Surface Cleaner  
Soft Scrub® Total All Purpose Cleaner      - Low VC

CHEMICAL FAMILY: Mixture

I.D.H. NUMBERS: 1722768 (Advanced Surface); 1671542 (Total APC)

### SECTION 2: HAZARD IDENTIFICATION

#### EMERGENCY OVERVIEW

CAUTION: This product a clear gel with a pleasant odor. Direct contact with eyes causes irritation. Repeated or prolonged excessive exposure with skin can result in defatting and drying which may result in irritation and dermatitis. Keep out of reach of children. No significant environmental effects. Not a fire hazard. Product is stable.

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.

#### REGULATORY STATUS

This material is considered to be hazardous under OSHA's Hazard Communication Standard (29 CFR 1900.1200). This MSDS should be retained and available for employees and other users of this product.

#### POTENTIAL HEALTH EFFECTS

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.

EYE CONTACT: Can cause mild to moderate eye irritation.

SKIN CONTACT: Can cause skin irritation with prolonged contact.

INGESTION: Not a likely route of exposure. Ingestion of large amounts may cause some gastrointestinal discomfort including nausea, vomiting, abdominal pain, diarrhea, and lethargy.

INHALATION: Irritating, in high concentration, to the respiratory tract (nose, throat, and lungs).

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.

#### POTENTIAL ENVIRONMENTAL EFFECTS

See Section 12: Ecological Information.

### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Based on our hazard evaluation, the following chemical substance(s) in this product have been identified as hazardous.

<u>INGREDIENT</u>	<u>CAS NUMBER</u>	<u>PERCENT (w/w)</u>
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C8-10 Alkylpolyglucoside	68515-73-1	1 – 5 %
Dipropylene Glycol N-butyl Ether	29911-28-2	0.5 – 4 %
2-Ethyl-1-Hexanol	64366-70-7	0.5 – 2 %

## SECTION 4: FIRST AID MEASURES

**EYE CONTACT:** Rinse slowly and gently with water for 15-20 minutes. Get medical attention if irritation persists.

**SKIN CONTACT:** Take off contaminated clothing. Rinse skin with plenty of water for 15-20 minutes. Get medical attention if irritation persists.

**INGESTION:** 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 if symptoms develop.

**INHALATION:** Remove from exposure area to fresh air. Treat symptomatically and supportively. Contact physician or local poison control center if symptoms develop.

**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

### FLAMMABLE PROPERTIES

OSHA FLAMMABILITY CLASSIFICATION: Not applicable      FLASH POINT: > 200°F (TCC)

UPPER FLAMMABILITY LIMIT: Not applicable      LOWER FLAMMABILITY LIMIT: Not applicable

AUTO-IGNITION TEMPERATURE: Not applicable

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

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon and oxides of nitrogen.

### EXTINGUISHING MEDIA

Dry chemical, carbon dioxide (CO<sub>2</sub>) foam or water spray.

### PROTECTION OF FIREFIGHTERS

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 fire is out. 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.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS :

Wear skin, eye and respiratory protection as recommended in Section 8. Stop or reduce any leaks if it is safe to do so. Spills present a slipping hazard. Keep unnecessary personnel away. Ventilate spill area if possible. Ensure clean-up is conducted by trained personnel only. Make sure area is slip-free before re-opening to traffic.

### ENVIRONMENTAL PRECAUTIONS:

Small or household quantities may be disposed in regular domestic trash. For larger quantities check with your local disposal authorities.

### METHODS FOR CONTAINMENT AND CLEAN UP:

**SMALL SPILLS:** Contain and absorb with sand or other absorbent material and place into clean, dry 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.

### STORAGE:

Store in original containers in a cool dry area. Store away from incompatible substances and excessive heat. Storage areas for large quantities (warehouse) should be well ventilated. Keep the containers tightly closed when not in use.

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

This product is a household product. The use of this product by consumers is safe under normal and reasonable foreseen use.

### WORKER EXPOSURE LIMITS

No worker exposure limits have been established for this product.

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

**RESPIRATOR:** 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:	Clear thick gel		
ODOR/ODOR THRESHOLD:	floral, citric, lemon	PHYSICAL STATE:	Gel
pH (@ 25°C):	10.5 – 12 (Neat)	VAPOR DENSITY:	Not available
BOILING POINT:	Not available	VAPOR PRESSURE:	Not available
MELTING/FREEZING POINT:	Not available	FLASH POINT:	> 200°F (TCC)
FLAMMABLE PROPERTIES:	See Section 5.	SOLUBILITY IN WATER:	Complete
DENSITY/SPECIFIC GRAVITY:	1.002 - 1.2 g/ml @ 20°C	EVAPORATION RATE:	Not available
OCTANOL/WATER PARTITION COEFFICIENT (K <sub>ow</sub> ):	Not available		
VISCOSITY:	500 -1,200 mPas	CLOUD POINT:	Not available

## SECTION 10: STABILITY AND REACTIVITY

**CHEMICAL STABILITY:** Stable under normal ambient temperature (70°F, 21°C) and pressure (1 atm).

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

**INCOMPATIBLE MATERIALS:** Strong oxidizers, acids 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.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition products may include oxides of carbon and chlorine.

**POSSIBILITY OF HAZARDOUS REACTIONS:** Polymerization does not occur under normal temperatures and pressures.

## SECTION 11: TOXICOLOGICAL INFORMATION

**PRODUCT INFORMATION SUMMARY:** This product is a household product. The use of this product by consumers is safe under normal and reasonable foreseen use. Direct contact with eyes can cause irritation. Repeated or prolonged excessive exposure with skin can cause irritation.

**COMPONENT ANALYSIS:** The following toxicity information is for a similar product and for the active ingredient when used as technical grade and is provided as reference for the occupational settings.

INGREDIENT	LD50 / DRAIZE SCORE	TOXICITY / IRRITATION RATING
ACUTE ORAL TOXICITY		
2-ethyl-1-hexanol	> 2,000 mg/kg (rat)	Practically Non-hazardous
Dipropylene glycol n-butyl ether	> 3,700 mg/kg (rat)	Practically Non-hazardous
ACUTE DERMAL TOXICITY		
2-ethyl hexanol EO-PO Nonionic surfactant	> 2,000 mg/kg (rat)	Practically Non-hazardous
Dipropylene glycol n-butyl ether	> 2,000 mg/kg (rat)	Practically 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/FETAL/DEVELOPMENTAL TOXICITY:** None of the ingredients in this product are known as reproductive, fetal, or developmental hazards.

**TARGET ORGAN TOXICITY:** None of the ingredients in this product are known to have target organ toxicity.

**EPIDEMIOLOGICAL INFORMATION:** None of the ingredients in this product are known to have health-related information in working populations.

## SECTION 12: ECOLOGICAL INFORMATION

This product is anticipated to be safe for the environment at concentrations predicted in household settings under normal use conditions. The following toxicity information is available for the hazardous ingredient(s) when used as technical grade and is provided as reference for the occupational settings.

PRODUCT / INGREDIENT	LC50/EC50 (ANIMAL SPECIE)	TOXICITY RATING
VERTEBRATES		
2-ethyl hexanol	96h LC50: 10 - 100 mg/l (fish)	Harmful
Dipropylene glycol n-butyl ether	96-hr LC50: 841 mg/L (Poecilia reticulata)	Practically Non-Hazardous
INVERTEBRATES		
2-ethyl hexanol	48h EC50: 72.1 mg/l (Daphnia magna)	Harmful
Dipropylene glycol n-butyl ether	24-hr EC50: > 100 mg/L (Daphnia magna)	Practically Non-Hazardous

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

WASTE NUMBER AND DESCRIPTION: Not applicable, not regulated.

DISPOSAL CONSIDERATIONS: This product is not a RCRA hazardous waste and can be disposed of in accordance with federal, state and local regulations.

## SECTION 14: TRANSPORT INFORMATION

### GROUND TRANSPORT

DOT Hazard Class:	Not regulated	Packing Group:	Not applicable
DOT Proper Shipping Name:	Not applicable	Shipping Label Information:	Not applicable
UN/NA Number:	Not applicable		

### AIR TRANSPORT (ICAO/IATA)

ICAO/IATA Hazard Class:	Not regulated	IMDG/IMO Hazard Class:	Not regulated
ICAO/IATA Proper Shipping Name:	Not applicable	IMDG/IMO Proper Shipping Name:	Not applicable

### MARINE TRANSPORT (IMDG/IMO)

## SECTION 15: REGULATORY INFORMATION

### UNITED STATES:

OSHA HAZARD COMMUNICATION RULE, 29 CFR 1910.1200:

The Occupational Safety and Health Administration requires Material Safety Data Sheets to provide any hazards that may be associated with the product, and make this information available in the workplace. Since the use pattern and exposure in the workplace are generally not consistent with those experienced by consumers, this MSDS may contain additional health hazard information not pertinent to consumer use.

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

EPA CERCLA/SARA TITLE III SUPERFUND AMENDMENT AND REAUTHORIZATION ACT:

This product contains no CERCLA/SARA Title III materials. This product contains no hazardous chemicals reportable under Sections 311/312. This product contains no hazardous chemicals reportable under Section 304.

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

### STATE REGULATIONS

CALIFORNIA PROPOSITION 65: This product does not contain substances listed under California Proposition 65.

### CANADA:

CANADIAN ENVIRONMENTAL PROTECTION ACT:

INVENTORY STATUS: Some components of this product are not listed on the Canadian Domestic Substances List (DSL) nor the NDSL.

WORKER HAZARDOUS MATERIALS INFORMATION SYSTEM:

WHMIS CLASSIFICATION: D2B.

## SECTION 16: OTHER INFORMATION

DISCLAIMER: 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 is made hereunder with respect to the information set forth herein or to the product to which the information refers.

**SOFT SCRUB ADVANCED CARE / TOTAL APC LOW VC**

NFPA RATINGS (Scale 0-4, where 4=high degree of hazard):

HMIS RATINGS (Scale 0-4, where 4=severe hazard):

MSDS CREATION DATE: 11/30/12

MSDS D-130 (Rev. 0)

October 30, 2012

HEALTH=1 FLAMMABILITY=1 REACTIVITY=0

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SUPERSEDES: