

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Handi-Scrub® Industrial Hand Cleaner
Product Number: (See product list found in Section 16)
Product Use: Hand cleaner.
Manufacturer/Supplier: Georgia-Pacific Consumer Products LLC
133 Peachtree Street, N.E., Atlanta, GA 30303
Phone Number: (866) 435-5647 (Technical Information)
(404) 652-5119 (MSDS Request)
Emergency Phone: CHEMTREC (800) 424-9300
Date of Preparation: October 16, 2007

Section 2: HAZARDS IDENTIFICATION**EMERGENCY OVERVIEW****CAUTION**

Contact with product may cause irritation to eyes and skin. For external use only. Keep out of children's reach.

Likely Routes of Exposure: Eye contact and skin contact.

Potential Health Effects:

- Eye:** May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production.
- Skin:** Not expected to be a primary skin irritant. Prolonged and/or repeated skin contact with this product may cause irritation.
- Ingestion:** Not applicable under normal conditions of use. May cause gastrointestinal irritation if ingested.
- Inhalation:** Not applicable under normal conditions of use.

Medical Conditions Aggravated By Exposure: Because of its irritating properties, product may aggravate pre-existing eye, and skin conditions.

Target Organs: Eyes and skin.

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS #	Wt. %
Water	7732-18-5	60 - 100
Castor oil, sulfated	8002-33-3	7 - 13
Sodium chloride	7647-14-5	3 - 7
Sodium lauryl ether sulfate	9004-82-4	1 - 5
Cocamidopropyl betaine	61789-40-0	1 - 5
Oleic acid	112-80-1	1 - 5
Titanium dioxide	13463-67-7	0.1 - 1.0

Section 4: FIRST AID MEASURES

- Eye Contact:** In case of contact, immediately flush eyes with plenty of water. Remove contact lenses, if worn. If irritation persists, get medical attention.
- Skin Contact:** If irritation occurs, flush skin with plenty of water. Get medical attention if irritation persists.
- Inhalation:** Not a normal route of exposure.
- Ingestion:** If swallowed, seek medical attention or call poison control.

Section 5: FIRE FIGHTING MEASURES

Flammability: Not flammable by OSHA/WHMIS criteria.

Means of Extinction:

Suitable Extinguishing Media: Powder, water spray, foam, carbon dioxide.

Unsuitable Extinguishing Media: Not available.

Products of Combustion: Small amounts of nitrogen oxides, carbon monoxide, carbon dioxide and hydrocarbons may be released.

Explosion Data:

Sensitivity to Mechanical Impact: Not applicable.

Sensitivity to Static Discharge: Not applicable.

Protection of Firefighters: Firefighters should wear full protective clothing including self contained breathing apparatus.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary personnel.

Environmental Precautions: If large quantities enter a waterway, advise local authorities.

Methods for Containment: Contain and/or absorb spill, then place in a suitable container.

Methods for Clean-Up: Soak into absorbent material. Spills of this material are a slipping hazard. Thoroughly wash the area with water after a spill or leak.

Section 7: HANDLING AND STORAGE

Handling:

Avoid contact with eyes. For external use only. Wear gloves and safety glasses or goggles if handling large quantities.

Storage:

Keep out of the reach of children. Keep container tightly closed. Keep from freezing.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION
Exposure Guidelines

Ingredient	CAS #	Exposure Limits	
		OSHA-PEL	ACGIH-TLV
Water	7732-18-5	Not available.	Not available.
Castor oil, sulfated	8002-33-3	Not available.	Not available.
Sodium chloride	7647-14-5	Not available.	Not available.
Sodium lauryl ether sulfate	9004-82-4	Not available.	Not available.
Cocamidopropyl betaine	61789-40-0	Not available.	Not available.
Oleic acid	112-80-1	Not available.	Not available.
Titanium dioxide	13463-67-7	15 mg/m ³ (total)	10 mg/m ³

Engineering Controls: Ventilation is not normally required.

Personal Protective Equipment:

Eye/Face Protection: None necessary under normal conditions of use. Wear safety glasses or goggles if handling large quantities.

Skin Protection: None necessary under normal conditions of use. Wear gloves if handling large quantities.

Respiratory Protection: Not normally needed.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Opaque.
Color:	Beige.
Odor:	Citrus.
Odor Threshold:	Not available.
Physical State:	Liquid.
pH:	5.6-6.5
Viscosity:	Not available.
Freezing Point:	Not available.
Boiling Point:	~ 100 °C (~ 212 °F)
Flash Point:	> 100 °C (~ 212 °F)
Evaporation Rate:	Not available.
Lower Flammability Limit:	Not available.
Upper Flammability Limit:	Not available.
Vapor Pressure:	Not available.
Vapor Density:	Not available.
Specific Gravity:	1.1
Solubility in Water:	Miscible.
Coefficient of Water/Oil Distribution:	Not available.
Auto-ignition Temperature:	Not available.
Percent Volatile, wt. %:	Not available.
VOC content, wt. %:	Not available.

Section 10: STABILITY AND REACTIVITY

Stability: Stable under normal storage conditions.

Conditions of Reactivity: Heat. Incompatible materials.

Incompatible Materials: Oxidizers. Acids. Bases.

Hazardous Decomposition Products: Small amounts of nitrogen oxides, carbon monoxide, carbon dioxide and hydrocarbons may be released.

Section 11: TOXICOLOGY INFORMATION
EFFECTS OF ACUTE EXPOSURE
Component Analysis

Ingredient	LD₅₀ (oral)	LC₅₀
Water	Not available.	Not available.
Castor oil, sulfated	Not available.	Not available.
Sodium chloride	3000 mg/kg, rat	Not available.
Sodium lauryl ether sulfate	Not available.	Not available.
Cocamidopropyl betaine	4900 mg/kg, rat	Not available.
Oleic acid	25000 mg/kg, rat	Not available.
Titanium dioxide	Not available.	Not available.

EFFECTS OF CHRONIC EXPOSURE

Target Organs: Not available.

Chronic Effects: Not hazardous by OSHA/WHMIS criteria.

Titanium dioxide has been listed by IARC as possibly carcinogenic to humans by inhalation based on sufficient evidence in experimental animals. Handi-Scrub® Industrial Hand Cleaner contains 0.1% titanium dioxide. Exposure to titanium dioxide (respirable dust) is highly unlikely because the product is in liquid form.

Carcinogenicity: Not hazardous under normal conditions of use.

Ingredient	Chemical Listed as Carcinogen or Potential Carcinogen
Titanium dioxide	IARC - 2B (Possibly carcinogenic to humans)

Mutagenicity; Reproductive Effects; Teratogenicity; Embryotoxicity; Respiratory Sensitization; Skin Sensitization: Not hazardous by OSHA/WHMIS criteria.

Toxicologically Synergistic Materials: Not available.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: No ecological consideration when used according to directions. Normal dilution of this product to drains, sewers, septic systems and treatment plants is not considered environmentally harmful.

Oleic acid (112-80-1)

Test & Species		Conditions
96 Hr LC ₅₀ fathead minnow	205 mg/L	static

Cocamidopropyl betaine (61789-40-0)

Test & Species	
40 Hr EC ₅₀ water flea	6.5 mg/L

Section 13: DISPOSAL CONSIDERATIONS
Disposal Instructions:

This product, if discarded as supplied, is not considered a hazardous waste under Federal Waste Regulations 40 CFR 261. If processing, use, or contamination alters the material, the waste must be tested using methods described in 40 CFR 261 to determine if it meets applicable definition of hazardous waste.

Section 14: TRANSPORTATION INFORMATION**DOT Classification**

Not regulated

TDG Classification

Not regulated

Section 15: REGULATORY INFORMATION**Federal Regulations**

Canadian: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations. This product is regulated under Canada's Food & Drug Act.

US: MSDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200). This product is regulated under the US Federal Food, Drug, and Cosmetic Act.

USDA: Handi-Scrub® Industrial Hand Cleaner

USDA E-4 rated

HMIS - Hazardous Materials Identification System**Health - 0****Flammability - 1****Physical Hazard - 0****NFPA - National Fire Protection Association:****Health - 0****Fire - 1****Reactivity - 0****Hazard Rating:** 0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme**Section 16: OTHER INFORMATION****Product List:**

Handi-Scrub® Industrial Hand Cleanser (Formerly Cormatic®/Ultima® Handi-Scrub® SF Hand Cleaner)

S8300

Disclaimer:

IMPORTANT: The information and data herein are believed to be accurate and have been compiled from sources believed to be reliable. It is offered for your consideration, investigation and verification. Buyer assumes all risk of use, storage and handling of the product in compliance with applicable federal, state and local laws and regulations. Georgia-Pacific and its subsidiaries make no warranty of any kind, expressed or implied, concerning the accuracy or completeness of the information and data herein. The implied warranties of merchantability and fitness for a particular purpose are specifically excluded. Georgia-Pacific and its subsidiaries will not be liable for claims that the information and data are inaccurate, incomplete or otherwise misleading.

Supersedes: 7/24/2006**Prepared by:** Georgia-Pacific LLC
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