

Material Safety Data Sheet

Material Name: ~~Heavy Duty Hand Scrub~~

*** Section 1 - Chemical Product and Company Identification ***

Manufacturer Information

Manufactured for Cintas by Santec Products, LLC
5579 Spellmire Dr.
Cincinnati, OH 45246

Phone: 877-972-6832
Fax: 513-870-4850
Emergency # 800-424-9300 CHEMTREC

*** Section 2 - Hazards Identification ***

Emergency Overview

May cause eye irritation.

Potential Health Effects: Eyes

May cause eye irritation.

Potential Health Effects: Skin

No potential health effects anticipated under normal product use conditions.

Potential Health Effects: Ingestion

Not considered a likely route of exposure under normal product use conditions.

Potential Health Effects: Inhalation

No potential health effects anticipated under normal product use conditions.

HMIS Ratings: Health: 1 Fire: 0 HMIS Reactivity 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

*** Section 3 - Composition / Information on Ingredients ***

CAS #	Component	Percent
7732-18-5	Water	65-85
64742-47-8	Petroleum distillates, hydrotreated light	10-15
8042-47-5	White mineral oil	5-10
68131-39-5	Alcohols, C12-15, ethoxylated	2-7
Proprietary	Additive #4 consisting of: Component A Component B	0.2-1

*** Section 4 - First Aid Measures ***

First Aid: Eyes

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

First Aid: Skin

None necessary.

First Aid: Ingestion

If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting.

First Aid: Inhalation

Move person to non-contaminated air. If the affected person is not breathing, apply artificial respiration.

*** Section 5 - Fire Fighting Measures ***

General Fire Hazards

See Section 9 for Flammability Properties.

None anticipated

Hazardous Combustion Products

Not Determined

Extinguishing Media

Use suitable extinguishing media for surrounding fire.

Fire Fighting Equipment/Instructions

Firefighters should wear full protective gear.

NFPA Ratings: Health: 1 Fire: 0 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

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*** Section 6 - Accidental Release Measures ***

Containment Procedures

Containment of this material should not be necessary.

Clean-Up Procedures

Thoroughly wash the area with water after a spill or leak clean-up.

Evacuation Procedures

Isolate area. Keep unnecessary personnel away.

Special Procedures

None necessary.

*** Section 7 - Handling and Storage ***

Handling Procedures

No special handling procedures necessary.

Storage Procedures

No special storage procedures necessary.

*** Section 8 - Exposure Controls / Personal Protection ***

A: Component Exposure Limits

ACGIH, OSHA, and NIOSH have not developed exposure limits for any of this product's components.

Engineering Controls

Ventilation is not normally required.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

None necessary.

Personal Protective Equipment: Skin

None necessary.

Personal Protective Equipment: Respiratory

None necessary.

Personal Protective Equipment: General

None necessary.

*** Section 9 - Physical & Chemical Properties ***

Appearance:	Thick, tan	Odor:	Mild
Physical State:	Liquid	pH:	7.2-7.7
Vapor Pressure:	ND	Vapor Density:	ND
Boiling Point:	ND	Melting Point:	ND
Solubility (H2O):	ND	Specific Gravity:	0.98-1.01
Evaporation Rate:	ND	VOC:	ND
Viscosity:	8500-9000 cps	Octanol/H2O Coeff.:	ND
Flash Point:	>170°F	Flash Point Method:	ND
Upper Flammability Limit (UFL):	ND	Lower Flammability Limit (LFL):	ND
Burning Rate:	ND	Auto Ignition:	ND

*** Section 10 - Chemical Stability & Reactivity Information ***

Chemical Stability

This is a stable material.

Chemical Stability: Conditions to Avoid

None

Incompatibility

None

Hazardous Decomposition

Not Determined

Possibility of Hazardous Reactions

Will not occur.

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*** Section 11 - Toxicological Information ***

Acute Dose Effects

A: General Product Information

No information available for the product.

B: Component Analysis - LD50/LC50

Water (7732-18-5)

Oral LD50 Rat: >90 mL/kg

Petroleum distillates, hydrotreated light (64742-47-8)

Inhalation LC50 Rat: >5.2 mg/L/4H; Oral LD50 Rat: >5000 mg/kg; Dermal LD50 Rabbit: >2000 mg/kg

White mineral oil (8042-47-5)

Oral LD50 Rat: >5000 mg/kg

Alcohols, C12-15, ethoxylated (68131-39-5)

Oral LD50 Rat: 2 g/kg

Carcinogenicity

A: General Product Information

No information available for the product.

B: Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

*** Section 12 - Ecological Information ***

Ecotoxicity

A: General Product Information

No information available for the product.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

Petroleum distillates, hydrotreated light (64742-47-8)

Test & Species

		Conditions
96 Hr LC50 Pimephales promelas	45 mg/L [flow-through]	
96 Hr LC50 Lepomis macrochirus	1740 mg/L [static]	
96 Hr LC50 Den-dronereides heteropoda	4720 mg/L	

White mineral oil (8042-47-5)

Test & Species

		Conditions
96 Hr LC50 Lepomis macrochirus	>10000 mg/L	

*** Section 13 - Disposal Considerations ***

US EPA Waste Number & Descriptions

Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions

All wastes must be handled in accordance with local, state and federal regulations.

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

*** Section 14 - Transportation Information ***

US DOT Information

Shipping Name: Not Regulated

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*** Section 15 - Regulatory Information ***

US Federal Regulations

A: General Product Information

No additional information available.

B: Component Analysis

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

State Regulations

A: General Product Information

No additional information available.

B: Component Analysis - State

None of this product's components are listed on the state lists from CA, MA, MN, NJ, PA, or RI.

Component Analysis - WHMIS IDL

No components are listed in the WHMIS IDL.

Additional Regulatory Information

A: General Product Information

No additional information available.

B: Component Analysis - Inventory

Component	TSCA	CAN	EEC
Water	Yes	DSL	EINECS
Petroleum distillates, hydrotreated light	Yes	DSL	EINECS
White mineral oil	Yes	DSL	EINECS
Alcohols, C12-15, ethoxylated	Yes	DSL	No
Component A	Yes	DSL	No
Component B	Yes	DSL	No

*** Section 16 - Other Information ***

Other Information

The information herein is presented in good faith and believed to be accurate as of the effective date given. However, no warranty, expressed or implied, is given. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial, and local laws.

Key/Legend

ACGIH = American Conference of Governmental Industrial Hygienists; ADG = Australian Code for the Transport of Dangerous Goods by Road and Rail; ADR/RID = European Agreement of Dangerous Goods by Road/Rail; AS = Standards Australia; DFG = Deutsche Forschungsgemeinschaft; DOT = Department of Transportation; DSL = Domestic Substances List; EEC = European Economic Community; EINECS = European Inventory of Existing Commercial Chemical Substances; ELINCS = European List of Notified Chemical Substances; EU = European Union; HMIS = Hazardous Materials Identification System; IARC = International Agency for Research on Cancer; IMO = International Maritime Organization; IATA = International Air Transport Association; MAK = Maximum Concentration Value in the Workplace; NDSL = Non-Domestic Substances List; NFPA = National Fire Protection Association; NOHSC = National Occupational Health & Safety Commission; NTP = National Toxicology Program; STEL = Short-term Exposure Limit; TDG = Transportation of Dangerous Goods; TLV = Threshold Limit Value; TSCA = Toxic Substances Control Act; TWA = Time Weighted Average