

MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION AND USE

Product Identifier: **ORION HAND DISHWASHING DETERGENT**
Product Use: **HAND DISHWASHING DETERGENT**
Supplier: **SHARE CANADA**
Address: **1691 CHURCH AVENUE, WINNIPEG, MANITOBA R2X 2Y7**
Telephone: **(204) 633-8553** Fax: **(204) 633-8453** CANUTEC: **(613) 996-6666**

SECTION II - HAZARDOUS INGREDIENTS

Ingredient	CAS Number	Weight %	LD 50	LC 50
Alkylbenzene	27176-87-0	10 – 20 %	Not found.	Not found.
Sulfonic Acid				
Coconut Diethanolamide	68603-42-9	1 – 5 %	Not found	Not found.
Sodium Hydroxide	1310-73-2	1 - 5 %	Not found.	Not found.
ACGIH – TLV - 2 mg/m3 C.	OSHA PEL - 2 mg/m3 C.			
Ethanol	64-17-5	1 - 5 %	7060 mg/kg.	Not found.
ACGIH – TLV – 1900 mg/m3 .	OSHA PEL – 1000 ppm.		(oral / rat)	
Sodium Laurel Sulfate	9004-82-4	1 – 5 %	Not found.	Not found.

SECTION III - PHYSICAL DATA

Physical State: **LIQUID**
Specific gravity: **1 .03**
pH: **8.0 – 9.0**
Odour and appearance: **CLEAR, AMBER, LIQUID. LEMON FRAGRANCE.**
Odour threshold: **Not available.**
Vapour pressure (PSI): **Not available.**
Vapour density (air = 1): **Not available.** Evaporation rate (water = 1): **Not available.**
% volatile by volume: **1.6 %.** Solubility in water: **SOLUBLE.**
Boiling Point (C ⁰): **Not available.** Freezing Point (C ⁰): **Not available.**
Coefficient of water/oil distribution: **Not available.**

SECTION IV - FIRE AND EXPLOSION DATA

Flammable or combustible: **NO** Flash Point (C ⁰) and method: **NONE - CLOSED CUP**
Upper flammable limit: **Not applicable.** Lower flammable limit: **Not applicable.**
Autoignition temperature: **Not available.** Flammability classification: **NONE**
Conditions of flammability: **NONE.**
Means of extinction: **WATER, FOAM, CARBON DIOXIDE, DRY CHEMICAL.**
Special fire fighting procedures: **COOL DRUMS IN VICINITY OF FIRE WITH WATER FOG.**
FIREFIGHTERS MUST USE FULL PROTECTIVE GEAR AND SELF-CONTAINED BREATHING APPARATUS.
Hazardous combustion products: **OXIDES OF CARBON.**
Sensitivity to mechanical impact: **NOT SENSITIVE**
Sensitivity to static discharge: **NOT SENSITIVE**

SECTION V - REACTIVITY DATA

Is the product stable: **YES - STABLE.**
Incompatible substances: **STRONG ACIDS.** Conditions of Reactivity: **NONE**
Hazardous decomposition products: **THERMAL DECOMPOSITION MAY PRODUCE OXIDES OF CARBON.**

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SECTION VI - TOXICOLOGICAL PROPERTIES

Primary routes of exposure: SKIN AND EYE CONTACT, INHALATION AND INGESTION.
WHMIS Classification: CLASS D 2B - OTHER TOXIC EFFECTS.
Irritant: CONCENTRATE MAY IRRITATE EYES ON CONTACT.
Carcinogen: NO - IARC / OSHA / NTP
Sensitizer: NOT A SENSITIZER
Mutagen: NOT A MUTAGEN
Reproductive effects: NONE KNOWN
Synergistic products: NONE KNOWN
Effects of acute exposure: Eyes: IRRITATION, REDNESS.
Ingestion: GASTROINTESTINAL IRRITATION, NAUSEA.
Inhalation: NO HAZARDS UNDER NORMAL USE.
Effects of chronic exposure: SKIN IRRITATION AND DRYNESS ON PROLONGED OR REPEATED CONTACT.

SECTION VII - PREVENTION MEASURES

Gloves: CHEMICAL RESISTANT.	Respirator: NOT REQUIRED	Eye protection: NONE UNDER NORMAL USE OTHERWISE SAFETY GLASSES.
Footwear: NO SPECIAL REQUIREMENTS.	Clothing: NO SPECIAL REQUIREMENTS.	Other requirements: NONE

Engineering Controls: NOT REQUIRED.
Respiratory protection: NOT REQUIRED.
Leak or spill procedures: CONTAIN SPILL. SOAK UP ON INERT ABSORBENT MATERIAL. PLACE IN A PROPERLY LABELED CONTAINER FOR DISPOSAL. FLUSH AREA WITH WATER.
Waste disposal: CONSULT LOCAL ENVIRONMENTAL AUTHORITIES.
Handling and storage requirements: STORE IN A COOL, DRY AREA AWAY FROM ACIDS. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. KEEP OUT OF THE REACH OF CHILDREN.
Special shipping information: NOT CONTROLLED UNDER T.D.G.

SECTION VIII - FIRST AID MEASURES

Eyes: FLUSH EYES AND UNDER EYELIDS WITH PLENTY OF COOL WATER FOR 15 MINUTES. OBTAIN MEDICAL ATTENTION IF IRRITATION PERSISTS.
Ingestion: CALL A PHYSICIAN OR POISON CONTROL CENTRE IMMEDIATELY. GIVE PERSON SEVERAL GLASSES OF WATER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.
Skin: FLUSH WITH COOL WATER.
Inhalation: MOVE TO FRESH AIR.

SECTION IX - PREPARATION DATA

Information Sources: SUPPLIERS' MATERIAL SAFETY DATA SHEET
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