



Chandler
225 Thorne Avenue
Saint John, NB, E2L 4L9
Canada
(506) 658-8000

PRODUCT: RENEW HD LAUNDRY EMULSIFIER & PRE-SPOTTER
SECTION 01: IDENTIFICATION

Supplier identifier..... Chandler
225 Thorne Avenue
Saint John
New Brunswick
Canada
E2L 4L9

Product identifier..... RENEW HD LAUNDRY EMULSIFIER & PRE-SPOTTER

Emergency telephone number..... 1(800) 363-9611.

Product use..... Liquid laundry detergent and stain remover.

Restriction on use..... For industrial, institutional and food plant use only.

SECTION 02: HAZARD IDENTIFICATION


According to Hazardous Products
Regulations (HPR) (SOR/2015-17)

Hazard classification.....
Signal Word.....
Hazard statement.....
Precautionary statements.....

Skin Corrosion — Category 1C. Serious Eye Damage — Category 1.
DANGER.
H314 Causes severe skin burns and eye damage. H318 Causes serious eye damage.
P260 Do not breathe vapours. P264 Wash exposed skin thoroughly after handling. P280
Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated
clothing. Rinse skin with water/shower. P363 Wash contaminated clothing before reuse.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position
comfortable for breathing. P310 Immediately call a POISON CENTER or doctor/physician.
P321 Specific treatment (see section 4 of SDS). P305+P351+P338 IF IN EYES: Rinse
cautiously with water for several minutes. Remove contact lenses, if present and easy to
do. Continue rinsing. P405 Store locked up. P501 Dispose of contents/container to an
approved waste disposal plant.

Other hazards.....
Supplemental Information.....

None.
Store in original container protected from direct sunlight in a dry, cool and well-ventilated
area, away from incompatible materials and food and drink.

SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME AND SYNONYMS	CAS #	WT. %
Alcohols, C12-15, ethoxylated	68131-39-5	5-10
D-Glucopyranose, oligomeric, C10-16-alkyl glycosides	110615-47-9	3-7
Dipropylene glycol monomethyl ether	34590-94-8	3-7
Sodium metasilicate	6834-92-0	1-5
Tetrapotassium Pyrophosphate (TKPP)	7320-34-5	1-5
<The exact concentration of composition has been withheld as a trade secret>		

SECTION 04: FIRST-AID MEASURES

Routes of exposure

Inhalation..... Remove to fresh air. Administer artificial respiration if necessary. Get medical aid as soon as possible.

Ingestion..... Rinse mouth and then drink plenty of water. Do not induce vomiting. Seek medical attention or call poison control immediately.

Skin contact..... Wash affected area immediately with water for 15 minutes. Remove contaminated clothing and wash before reuse. Consult a physician. .

PRODUCT: RENEW HD LAUNDRY EMULSIFIER & PRE-SPOTTER**SECTION 04: FIRST-AID MEASURES**

Eye contact..... Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Obtain medical attention immediately.

Most important symptoms and effects, both acute and delayed..... The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Medical attention and special treatment.... IF exposed or concerned: Get medical advice/attention. Corrosive to the eyes and may cause severe damage including blindness. Causes burns .

SECTION 05: FIRE-FIGHTING MEASURES

Extinguishing media..... Use an extinguishing agent suitable for the surrounding fire. Do not use water jet as an extinguisher, as this will spread the fire.

Hazardous combustion products..... Harmful vapours. Carbon monoxide, carbon dioxide, hydrocarbons, metal oxides. phosphorus oxides.

Special protective equipment and precautions Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Firefighters should be equipped with self-contained breathing apparatus and turn-out gear. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. Containers may explode when heated .

Sensitivity to static discharge..... Product is not sensitive to static discharge.

Sensitivity to mechanical impact..... Product is not sensitive to mechanical impact.

Further information..... In a fire or if heated, a pressure increase will occur and the container may burst. Contact with some reactive metals may produce flammable hydrogen gas.

SECTION 06: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures Wear protective equipment: goggles, chemically resistant clothing and gloves, and appropriate respirator if in a confined area. Keep people away from and upwind of spill/leak. Restrict access to area until completion of clean-up.

Environmental precautions..... Do not allow material to contaminate ground water system. If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply. Ventilate the area. Prevent further leakage or spillage if safe to do so.

Methods and materials for containment and cleaning up Absorb in vermiculite, dry sand or earth and place into container. Dispose of absorbed material in accordance with regulations. Contaminated absorbent material may pose the same hazards as the spilled product. Clean surface thoroughly to remove residual contamination. Following product recovery, flush area with water.

SECTION 07: HANDLING AND STORAGE

Handling precautions..... Use good industrial hygiene practices in handling this material. Do not eat, drink or smoke when using this product . Wear appropriate personal protective equipment. Do not get in eyes, on skin or on clothing. Avoid inhalation of mists/vapours/fumes. Wash thoroughly after handling. Keep container tightly closed .

Storage needs..... Keep in a dry, cool and well-ventilated place.

Materials to avoid..... Keep away from strong acids.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL NIOSH
Alcohols, C12-15, ethoxylated	not available	not available	not available	not available	not available
D-Glucopyranose, oligomeric, C10-16-alkyl glycosides	not available	not available	not available	not available	not available
Dipropylene glycol monomethyl ether	100 ppm	150 ppm	100 ppm	150 ppm	not available
Sodium metasilicate	not available	not available	not available	not available	not available
Tetrapotassium Pyrophosphate (TKPP)	10 mg/m3 (inhalable)	not available	15 mg/m3 (total dust)	not available	not available
Engineering controls.....	Good general ventilation (typically 10 air changes per hour) should be used . Have eye wash bottle or eye rinse ready at the work place. Facilities storing this material should be equipped with an eyewash facility and a safety shower.				
Individual protection measures					
Eye/type.....	Safety glasses with side-shields.				
Gloves/type.....	Wear chemical resistant protective gloves.				

PRODUCT: RENEW HD LAUNDRY EMULSIFIER & PRE-SPOTTER**SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

Respiratory/type.....	Under normal use conditions, with adequate ventilation, no special handling equipment is required. If using in a poorly ventilated area, wear a properly fitted respirator (NIOSH approved) during exposure.
Clothing/type.....	Wear clean long legged, long sleeved work clothes.
Footwear/type	Suitable protective footwear.
Hygiene measures.....	Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink, smoke or use cosmetics while working with this product. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Color.....	colourless.
Odour.....	mild.
Odour threshold.....	not available.
pH.....	13-13.5.
Melting point (°C).....	not applicable.
Freezing point (°C).....	0.
Initial boiling point (°C).....	100.
Flash point (°C), Method.....	>94 CC.
Evaporation rate.....	not available.
Upper flammability limit (% vol).....	not available.
Lower flammability limit (% vol).....	not available.
Vapour pressure (mm Hg).....	17.5.
Vapour density (air=1).....	not available.
Relative density/Specific Gravity.....	1.07.
Water solubility.....	soluble.
Solubility in other solvents.....	not available.
Partition coefficient — n-octanol/water.....	not available.
Auto ignition temperature (°C).....	> 200 °C.
Thermal decomposition temperature.....	not available.
Viscosity.....	40±20 cps.

SECTION 10: STABILITY AND REACTIVITY

Reactivity.....	No hazardous reactions if stored and handled as prescribed/indicated.
Chemical stability.....	The product is stable if stored and handled as prescribed/indicated.
Possibility of hazardous reactions.....	No hazardous reactions when stored and handled according to instructions. The product is chemically stable. Contact with some reactive metals may produce flammable hydrogen gas.
Conditions to avoid.....	Do not mix with anything but water.
Incompatible materials.....	Acids, strong oxidizing agents.
Hazardous decomposition products.....	Decomposition will not occur if handled and stored properly. In case of fire, oxides of carbon (CO and CO ₂), fumes and smoke may be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
Alcohols, C12-15, ethoxylated	>20 mg/l (inhalation-rat, 4h)	1,650-2,000 mg/kg (oral-rat); >2,000 mg/kg (dermal-rabbit)
D-Glucopyranose, oligomeric, C10-16-alkyl glycosides	not available	>5,000 mg/kg (oral-rat); >5,000 mg/kg (dermal-rabbit)
Dipropylene glycol monomethyl ether	>20 mg/l (inhalation-rat)	5180 mg/kg (oral-rat); 9,500 mg/kg (dermal-rabbit)
Sodium metasilicate	not available	1152 mg/kg (oral - rat); > 5,000 mg/kg (dermal -rabbit)
Tetrapotassium Pyrophosphate (TKPP)	not available	>4,640 (dermal-rabbit)
Routes of exposure		
Inhalation.....	Inhalation of vapours may cause irritation to the nose, throat and respiratory tract.	
Ingestion.....	Ingestion may cause pain, irritation and burns in the mouth, throat and stomach.	
Skin contact.....	Skin contact causes irritation and possible burns.	
Eye contact.....	Eye contact may cause severe burns and permanent corneal injury. May be followed by blindness.	
Acute effects		
Acute oral toxicity.....	Acute toxicity estimate > 2,000 mg/kg. Method: calculation method. Virtually nontoxic after a single ingestion.	

PRODUCT: RENEW HD LAUNDRY EMULSIFIER & PRE-SPOTTER**SECTION 11: TOXICOLOGICAL INFORMATION**

Acute dermal toxicity.....	LD50 (Rabbit) : > 2,000 mg/kg. Method: calculation method. Virtually nontoxic after a single skin contact.
Acute inhalation toxicity.....	Acute toxicity estimate : > 20 mg/l. Exposure time: 4 h. Virtually nontoxic by inhalation. Method: calculation method.
Skin corrosion/irritation.....	Result: Skin corrosion.
Serious eye damage/eye irritation.....	Result: Corrosive to eyes.
Respiratory or skin sensitisation.....	Non-sensitizing.
Specific target organ toxicity (STOT) single exposure	Based on the available information there is no specific target organ toxicity to be expected after a single exposure.
Aspiration hazard.....	No aspiration hazard expected.
Chronic toxicity/effects	
Specific target organ toxicity (STOT) repeated exposure	No known significant effects or critical hazards.
Carcinogenicity.....	No carcinogenic substances as defined by IARC, NTP, OSHA and/or ACGIH.
Reproductive toxicity.....	No known significant effects or critical hazards.
Germ Cell Mutagenicity.....	No known significant effects or critical hazards.
Remarks.....	The product has not been tested. The statement has been derived from the properties of the individual components.
Symptoms of Exposure.....	The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11. Further important symptoms and effects are so far not known.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity.....	May cause long-term adverse effects in the aquatic environment.
Persistence and degradability.....	The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.
Bioaccumulative potential.....	No data available.
Mobility in soil.....	No data available.
Other adverse effects.....	No applicable information available.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal methods	
Waste disposal of substance.....	Dispose of in accordance with national, state and local regulations.
Container disposal	Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

SECTION 14: TRANSPORT INFORMATION

TDG classification.....	UN3266, Corrosive liquid, basic, inorganic, n.o.s. (sodium metasilicate). Class 8, PGIII.
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SECTION 15: REGULATORY INFORMATION

WHMIS regulatory status.....	This product has been classified in accordance with the hazard criteria of the Canadian Hazardous Products Regulations and the Safety Data Sheet contains all the information required by the Hazardous Products Regulations (WHMIS 2015). This product is WHMIS 2015 controlled.
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SECTION 16: OTHER INFORMATION

Disclaimer.....	The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification.
Prepared by:	CanChem Consultant
Preparation date.....	2024-06-06