

MATERIAL SAFETY DATA SHEET

MSDS 0275

Section 1 -- PRODUCT AND COMPANY IDENTIFICATION

		HMIS CODES	
PRODUCT NAME	Raindrop	Health	2
		Flammability	0
		Reactivity	0
PRODUCT CODES	88444	PPI	B
CHEMICAL FAMILY	Organic/Inorganic		
USE	Evaporator Cooler Treatment		
MANUFACTURER'S NAME	The RectorSeal Corporation	EMERGENCY TELEPHONE NO.	
	2601 Spenwick Drive	Chemtrec 24 Hours	
	Houston, Texas 77055 USA	(800)424-9300 USA	
		001-527-3887 International	
DATE OF VALIDATION	August 30, 2012	TECHNICAL SERVICE TELEPHONE NO.	
		(800)231-3345 or (713)263-8001	
DATE OF PREPARATION	August 30, 2012		

Section 2 -- HAZARDS IDENTIFICATION

GHS CLASSIFICATION

PHYSICAL HAZARDS: None

HEALTH HAZARDS

Acute Toxicity:

Oral: Category 5

Dermal: Not Classified

Inhalation: Not Classified

Skin Corrosion/Irritation: Category 3

Serious Eye Damage/Eye Irritation: Category 1

Respiratory or Skin Sensitization: Not Classified

Germ Cell Mutagenicity: Not Classified

Carcinogenicity: Not Classified

Reproductive Toxicology: Not Classified

Target Organ Systemic Toxicity - Single Exposure: Not Classified

Target Organ Systemic Toxicity - Repeated Exposure: Not Classified

Aspiration Toxicity: Not Classified

ENVIRONMENTAL HAZARDS

Hazardous to the Aquatic Environment: Not Classified

Acute aquatic toxicity: Not Classified

Chronic aquatic toxicity: Not Classified

Bioaccumulation potential: Not Classified

Rapid degradability: Not Classified

GHS Label elements, including precautionary statements

Pictogram: N/A

Signal Word: Danger

Hazard Statements:

H302 - Harmful if swallowed.

H315 - Causes skin irritation.
H318 - Causes serious eye damage.
Precautionary Statements:
P102 - Keep out of reach of children.
P262 - Do not get in eyes, on skin, or on clothing.
P264 - Wash hands thoroughly after handling.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301+, P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P305+, P351+, P338 - IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
P362 - Take off contaminated clothing and wash before reuse.

SUMMARY OF ACUTE HAZARDS

Causes irreversible eye damage and skin irritation.

ROUTE OF EXPOSURE, SIGNS AND SYMPTOMS

INHALATION

N/A

EYE CONTACT

Corrosive: Causes irreversible eye damage.

SKIN CONTACT

Skin irritation.

INGESTION

Phosphates are slowly and incompletely absorbed when ingested, and seldom result in systemic effects. Such effects, however, have occurred. Symptoms may include vomiting, lethargy, diarrhea, blood chemistry effects, heart disturbances and central nervous system effects. The toxicity of phosphates is because of their ability to sequester calcium. Systemic acidosis may result as this material is believed to hydrolyze into phosphoric acid when ingested.

SUMMARY OF CHRONIC HAZARDS

None known.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

May induce severe gastroenteric distress (vomiting, gastroenteric pain, and local corrosion and hemorrhages), prostration, anuria, hematuria, anemia, increase in white blood cells, icterus, coma, respiratory difficulties, and circulatory failure.

Section 3 -- COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL FAMILY: Organic/Inorganic

INGREDIENT: n-Alkyl (98% C12, 2% C14)-dimethyl
 -1-naphthylmethyl ammonium chloride
 -monohydrate

PERCENTAGE BY WEIGHT: 10

CAS NUMBER: 53516-75-9

EC# : Not listed

INGREDIENT: Sodium Bicarbonate

PERCENTAGE BY WEIGHT: 30

CAS NUMBER: 144-55-8

EC# : 205-633-8

INGREDIENT: Sodium Carbonate

PERCENTAGE BY WEIGHT: 29
CAS NUMBER: 497-19-8
EC# : 207-838-8

INGREDIENT: Urea
PERCENTAGE BY WEIGHT: 29
CAS NUMBER: 57-13-6
EC# : 200-315-5

INGREDIENT: Fragrance
PERCENTAGE BY WEIGHT: 2
CAS NUMBER: Not listed
EC# : Not listed
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Section 4 -- FIRST AID MEASURES

If INHALED: N/A
If on SKIN: Immediately wash with soap and water. Remove and wash any contaminated clothing.
If in EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention if irritation persists.
If SWALLOWED: Call a doctor or get medical attention. Do not induce vomiting or give anything by mouth to an unconscious person.
Drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol.

Section 5 -- FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

Non-combustible. Use agents appropriate for surrounding fires.
SPECIAL FIRE FIGHTING PROCEDURES: None
UNUSUAL FIRE AND EXPLOSION HAZARDS: None
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Section 6 -- ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Sweep up excess material to prevent footing hazard. Discard in trash.
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Section 7 -- HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in dry place.
OTHER PRECAUTIONS: Avoid prolonged or repeated contact with skin or clothing.
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Section 8 -- EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENT	UNITS
n-Alkyl (98% C12, 2% C14)-dimethyl	
-1-naphthylmethyl ammonium chloride	
-monohydrate	
ACGIH TLV	N/D
OSHA PEL	N/D
Sodium Bicarbonate	
ACGIH TLV	N/D

Sodium Carbonate	OSHA	PEL	N/D
	ACGIH	TLV	N/D
Urea	OSHA	PEL	N/D
	ACGIH	TLV	N/D
Fragrance	OSHA	PEL	N/D
	ACGIH	TLV	N/D

 RESPIRATORY PROTECTION (SPECIFY TYPE): Normally none required. Use NIOSH/MSHA

approved particulate respirator for nuisance dust.

VENTILATION - LOCAL EXHAUST: Acceptable

SPECIAL: N/A

MECHANICAL (GENERAL): Acceptable

OTHER: N/A

PROTECTIVE GLOVES: Wear rubber gloves.

EYE PROTECTION: Safety glasses (ANSI Z-87.1 or equivalent)

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Coveralls recommended.

WORK/HYGIENIC PRACTICES: Where use can result in skin contact, wash exposed areas thoroughly before eating, drinking, smoking, or leaving work area.

Laundry contaminated clothing before reuse.

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Section 9 -- PHYSICAL AND CHEMICAL PROPERTIES

pH:	7-8
BOILING POINT:	N/A
SPECIFIC GRAVITY (H ₂ O = 1):	2.28
VAPOR PRESSURE (mm Hg):	N/A
MELTING POINT:	N/D
VAPOR DENSITY (AIR = 1):	N/A
EVAPORATION RATE (ETHYL ACETATE = 1):	N/A
APPEARANCE/ODOR:	Yellow Tablet / Fragrant Odor
SOLUBILITY IN WATER:	Soluble
VOLATILE ORGANIC COMPOUNDS (VOC) Content (Theoretical Percentage By Weight):	0% or (0 g/L)
FLASH POINT	None
LOWER EXPLOSION LIMIT	N/D
UPPER EXPLOSION LIMIT	N/D

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Section 10 -- STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: None

INCOMPATIBILITY (MATERIALS TO AVOID): None known

HAZARDOUS DECOMPOSITION PRODUCTS: None known

HAZARDOUS POLYMERIZATION: Will not occur.

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Section 11 -- TOXICOLOGY INFORMATION

CHRONIC HEALTH HAZARDS

No ingredient in this product is an IARC, NTP or OSHA listed carcinogen.

 TOXICOLOGY DATA

Ingredient Name

n-Alkyl (98% C12, 2% C14)-dimethyl
-1-naphthylmethyl ammonium chloride
-monohydrate

Oral-Rat LD50: >5000 mg/kg estimated
Inhalation-Rat LCLo:N/D
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Section 12 -- Ecological Information

ECOLOGICAL DATA
Ingredient Name

n-Alkyl (98% C12, 2% C14)-dimethyl
-1-naphthylmethyl ammonium chloride
-monohydrate

Food Chain Concentration Potential	N/D
WATERFOWL TOXICITY	N/D
BOD	N/D
AQUATIC TOXICITY	N/D

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Section 13 -- DISPOSAL CONSIDERATIONS

Waste Classification: Non-regulated solid waste
Disposal Method: Approved landfill
Waste from this product is not considered hazardous as defined under the
Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Dispose of in
accordance with Federal, State, and Local regulation regarding pollution.
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Section 14 -- TRANSPORTATION INFORMATION

DOT: Non-Regulated
OCEAN (IMDG): Non-Regulated
AIR (IATA): Non-Regulated
WHMIS (CANADA): Non-Regulated
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Section 15 -- REGULATORY INFORMATION

REGULATORY DATA
Ingredient Name

n-Alkyl (98% C12, 2% C14)-dimethyl
-1-naphthylmethyl ammonium chloride
-monohydrate

SARA 313	No
TSCA Inventory	Yes
CERCLA RQ	N/A
RCRA Code	N/A

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Section 16 -- OTHER INFORMATION

This document is prepared pursuant to the OSHA Hazard Communication
Standard (29 CFR 1910.1200). The information herein is given in good faith,
but no warranty, expressed or implied is made. Consult RectorSeal for
further
information: (713) 263-8001