

SAFETY DATA SHEET

SDS 0292

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Section 1 -- PRODUCT AND COMPANY IDENTIFICATION
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	HMIS CODES
PRODUCT NAME	Health 2
Actabs EE	Flammability 0
	Reactivity 0
PRODUCT CODES	PPI B
68102	
CHEMICAL FAMILY	
Organic/Inorganic	
USE	
Evaporator Cooler Treatment	
MANUFACTURER'S NAME	EMERGENCY TELEPHONE NO.
The RectorSeal Corporation	Chemtrec 24 Hours
2601 Spenwick Drive	(800)424-9300 USA
Houston, Texas 77055 USA	(703)527-3887 International
DATE OF VALIDATION	TECHNICAL SERVICE TELEPHONE NO.
January 23, 2015	(800)231-3345 or (713)263-8001
DATE OF PREPARATION	
April 18, 2012	

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Section 2 -- HAZARDS IDENTIFICATION
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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.

Classification according to EU Directives 67/548/EEC or 1999/45/EC

LABELING SYMBOLS:

N/A

RISK R-PHRASES:

R22 : Harmful if swallowed.
R34 : Causes burns.

SAFETY S-PHRASES:

S2 : Keep out of the reach of children.
S7 : Keep container tightly closed.

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

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.

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.

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 Tripolyphosphate	ACGIH TLV		N/D
	OSHA PEL		N/D
Sodium Borate	ACGIH TLV		N/D
	OSHA PEL		N/D
Sodium Carbonate	ACGIH TLV		N/D
	OSHA PEL		N/D
Urea	ACGIH TLV		N/D
	OSHA PEL		N/D
Starch	ACGIH TLV		N/D
	OSHA PEL		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.
 Launder contaminated clothing before reuse.

Section 9 -- PHYSICAL AND CHEMICAL PROPERTIES

pH:	7-8
BOILING POINT:	N/A
SPECIFIC GRAVITY (H2O = 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:	White Tablet / No 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

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
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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
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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
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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
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DOT: Non-Regulated
OCEAN (IMDG): Non-Regulated
AIR (IATA): Non-Regulated
WHMIS (CANADA): Non-Regulated

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Section 15 -- REGULATORY INFORMATION
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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
=====

LABELING SYMBOLS:
N/A

RISK R-PHRASES:
R22 : Harmful if swallowed.
R34 : Causes burns.

SAFETY S-PHRASES:
S2 : Keep out of the reach of children.
S7 : Keep container tightly closed.
S26 : In case of contact with eyes, rinse immediately with plenty of
water and seek medical advice.
S36/37/39 : Wear suitable protective clothing, gloves and eye/face protection.
S45 : In case of accident or if you feel unwell, seek medical advice
immediately (show the label where possible).

This document is prepared pursuant to 91/155/EEC ISO 11014-1. The information

herein is given in good faith, but no warranty, expressed or implied is made.
Consult RectorSeal for further information: (713) 263-8001

MATERIAL SAFETY DATA SHEET

MSDS 0292

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IDENTIFICATION

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PRODUCT NAME		Health 2
Actabs EE		Flammability 0
		Reactivity 0
PRODUCT CODES		PPI B
68102		
CHEMICAL FAMILY		
Organic/Inorganic		
USE		
Evaporator Cooler Treatment		
MANUFACTURER'S NAME	EMERGENCY TELEPHONE NO.	
The RectorSeal Corporation	Chemtrec 24 Hours	
2601 Spenwick Drive	(800) 424-9300	
Houston, Texas 77055 USA		
VALIDATION DATE	TECHNICAL SERVICE TELEPHONE NO.	
February 21, 2006	(800) 231-3345	
REVISION DATE		
February 21, 2006		

Section 2 -- COMPOSITION/INFORMATION ON INGREDIENTS

% by WT	CAS No.	INGREDIENT	UNITS
20	Mixture	n-Alkyl (98% C12, 2% C14)-dimethyl -1-naphylmethyl ammonium chloride -monohydrate	
		ACGIH TLV	N/D
		OSHA PEL	N/D
80	--	Inert Ingredients	
		ACGIH TLV	N/D
		OSHA PEL	N/D

Section 3 -- HAZARDS IDENTIFICATION

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 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

FLASH POINT	LEL	UEL
None	N/D	N/D

EXTINGUISHING MEDIA

Non-combustible. Use agents appropriate for surrounding fires.

SPECIAL FIRE FIGHTING PROCEDURES: None

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

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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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.

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Section 9 -- PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A
SPECIFIC GRAVITY (H2O = 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: White Tablet / No Odor
SOLUBILITY IN WATER: Soluble
VOLATILE ORGANIC COMPOUNDS (VOC) Content
(Theoretical Percentage By Weight): 0% or (0 g/L)

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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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Ingredient Name

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

-monohydrate

Oral-Rat LD50:240 mg/kg

Inhalation-Rat LCLo:N/D

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Section 12 -- Ecological Information

ECOLOGICAL DATA

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Food Chain Concentration Potential N/D
WATERFOWL TOXICITY N/D
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-monohydrate

SARA 313 No
TSCA Inventory Yes
CERCLA RQ N/A
RCRA Code N/A
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Section 16 -- OTHER INFORMATION

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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