MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: AVantage Salt
PRODUCT NUMBER:
DATE: August 11, 2010

TRADE NAME: AVantage Salt

GENERAL USE: Detergent

CHEMICAL FAMILY: Mixture

PRODUCT DESCRIPTION:

White to pale yellow flakes and slight odor.

DISTRIBUTOR:

Anderson & Vreeland, Inc.

TELEPHONE NUMBER (General Inquiries)
1-866-282-7697

ADDRESS (NUMBER, STREET, P.O. BOX)
15348 Route 127 East, P.O. Box 527

(CITY, STATE AND ZIP CODE) COUNTRY
Bryan, OH 43506 USA

DATE PREPARED: **August 11, 2010**
SUPERSEDES: **June 10, 2010**

CHEMTEL 24-HOUR EMERGENCY TELEPHONE NUMBERS

ChemTel INC.

1-800-255-3924 North America (Toll Free)

813-248-0585 International and Local Calls

SECTION 2 - HAZARDOUS INGREDIENTS

Hazardous Components	% (by Weight)	CAS #	EINECS #	Hazard Symbol	RISK PHRASES (Full Text Section 15)
Benzenesulfonic Acid, Sodium Salts	**34 - 36**	**68081-81-2**	**268-356-1**	**Xi**	**R38, R41**
Sodium Sulfate Solution	**4 - 6**	**7757-82-6**	**231-820-9**	**None**	**R22, R36**
Trisodium Sulfosuccinate	**2 - 3**	**13419-59-5**	**236-524-3**	**None**	**None**
Water	**59 - 62**	**7732-18-5**	**231-791-2**	**None**	**None**

NOTES: This Material Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200), the Canadian Workplace Hazardous Materials Information System (WHMIS), and European Union Directive 91/155/EEC. Hazard symbols and risk phrases are based on maximum listed concentration of each hazardous ingredient. Unlisted ingredients are not "hazardous" per the OSHA Hazard Communication Standard (29 CFR 1910.1200), the Canadian Workplace Hazardous Materials Information System (WHMIS) or the European (GHS) directive 91/155/EEC and *are considered trade secrets under US Federal Law (29CFR and 40CFR), Canadian Law (Health Canada Legislation), and European Union Directive 67/548/EEC.

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Dust is irritating to the eyes, nose and throat. Contact with skin may cause dryness, irritation or rash.

US HAZARD SYMBOL(S)

No hazardous symbols required except for bulk packaging in US and Canada.

EUROPEAN (GHS) HAZARD SYMBOLS

HMIS HAZARD RATINGS		
0 = INSIGNIFICANT	**HEALTH:**	**1**
1 = SLIGHT, 2 = MODERATE	**FLAMMABILITY:**	**1**
3 = HIGH, 4 = EXTREME	**PHYSICAL HAZARD:**	**0**

REQUIRED PERSONAL PROTECTIVE EQUIPMENT:

HMIS PERSONAL PROTECTIVE EQUIPMENT LETTER:

X

RISK PHRASES

R 38 Irritating to skin.
R 41 Risk of serious damage to eyes.
R22 Harmful if swallowed
R36 Irritating to eyes

SAFETY PHRASES

S20 When using do not eat or drink.
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)

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: AVantage Salt
PRODUCT NUMBER:
DATE: August 11, 2010

POTENTIAL HEALTH EFFECTS

INHALATION:
May cause irritation of the respiratory tract.

SKIN:
Prolonged and/or repeated skin contact may result in mild irritation or redness.

EYES:
Irritating to eyes.

INGESTION:
Ingestion may cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

SECTION 3 - HAZARDS IDENTIFICATION (Continued)

CARCINOGENICITY:

NTP? **NO**	IARC MONOGRAPHS? **NO**	OSHA REGULATED? **NO**
CALIFORNIA, Prop.65? **NO**		ESIS NOTATION? **NO**

SECTION 4 - FIRST AID MEASURES

INHALATION:
Remove to fresh air. No specific treatment is necessary since this material is not likely to be hazardous by inhalation. Call a physician if symptoms develop or persist.

EYES:
Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists

SKIN:
Wash affected area with mild soap and water. Get medical attention if irritation develops or persists.

INGESTION:
Drink water as a precaution. Do not induce vomiting without medical advice. Consult a physician.

SECTION 5 - FIRE FIGHTING MEASURES

GENERAL HAZARDS:
As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Vapors can explode and liquids can combust when temperatures approach or exceed the flashpoint.

EXTINGUISHING MEDIA:
Small Fires: Dry chemical powder, CO2, water spray, Foam.

FIRE FIGHTING PROCEDURES:
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
In airborne concentrations, dust can be static sensitive.

HAZARDOUS COMBUSTION PRODUCTS:

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Evacuation procedures: Isolate area. Keep unnecessary personnel away. Persons not wearing appropriate protective equipment should be excluded from area of spill until clean-up has been completed.
Containment procedures: Stop leak if you can do so without risk. Dike the spilled material, where this is possible. .
Personal precautions: Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
Environmental precautions: Prevent further leakage or spillage if safe to do so.
Methods for cleaning up: Attempt to reclaim the free product, if this is possible. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.
Spill or leak procedure: Recover all usable material. Soak up balance with sand or dirt. Material is slippery on wet or hard surfaces.

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: AVantage Salt
PRODUCT NUMBER: **DATE:** August 11, 2010

SECTION 7 - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Handling: Avoid prolonged or repeated skin and eye contact with this material. Avoid breathing vapors or mists of this product. Wash hands after handling and before eating. Wear personal protective equipment.
Storage: Slightly hydroscopic. Store above 45 ºF. Keep away from heat. Use care in handling/storage. Keep container closed when not in use.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

HAZARDOUS COMPONENTS	NIOSH				ACGIH		OSHA	
	TWA ppm	TWA mg/m3	STEL ppm	STEL mg/m3	TLV/TWA ppm	TWA mg/m3	PEL ppm	PEL mg/m3

Per manufacturer statement, no hazardous components are in product under 29CFR (USA), WHMIS (Canada), and 1997/2006/EC (EU) legislation.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION (Continued)

PERSONAL PROTECTION

RESPIRATORY PROTECTION:

Effective dust mask.

PROTECTIVE GLOVES:
Wear chemically resistant protective gloves to prevent skin exposure.

EYE PROTECTION:
Wear appropriate protective eyeglasses, face shields or chemical safety goggles.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:
Normal work clothing (long sleeved shirts and long pants) is recommended. Wear safety shoes.

WORK / HYGIENIC PRACTICES:
Avoid contact with skin and eyes. Wear suitable protective equipment. Handle in accordance with good industrial hygiene and safety practice.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR White to pale yellow flakes and slight odor.	VAPOR PRESSURE NE
pH NA	SPECIFIC GRAVITY (WATER = 1) NA
BOILING POINT NA	SOLUBILITY IN WATER 30% at 25 °C
FLASH POINT NA	VISCOSITY NE
FLAMMABLE LIMITS LEL: NE UEL: NE	VAPOR DENSITY (AIR = 1) NE
AUTOIGNITION TEMPERATURE NE	EVAPORATION RATE (WATER = 1) NE

VOLATILE ORGANIC COMPOUND (VOC) INFORMATION
NE

SECTION 10 - STABILITY AND REACTIVITY

STABILITY Stable under normal conditions.	CONDITIONS TO AVOID: Not determined

INCOMPATIBILITY (MATERIALS TO AVOID):
No information available.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:
Oxides of sulfur and sulfur dioxide

HAZARDOUS POLYMERIZATION: Will not occur.	CONDITIONS TO AVOID: None related to polymerization.

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: AVantage Salt
PRODUCT NUMBER: **DATE:** August 11, 2010

SECTION 11 - TOXICOLOGICAL INFORMATION

Hazardous Components	CAS # EINECS #	LD50 of Ingredient (Specify Species and Route)	LC50 of Ingredient (Specify Species)
Per manufacturer statement, no hazardous components are in product under 29CFR (USA), WHMIS (Canada), and 1997/2006/EC (EU) legislation.			

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: Harmful to aquatic life. Marine pollutant.
Persistence / degradability: Readily Biodegradable.

SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:
Waste Codes: Waste codes should be assigned by the user based on the application for which the product was used.
Disposal instructions: Disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations
Waste from residues / Unused products: Dispose of in accordance with local regulations.
Contaminated packaging: Do not re-use empty containers.

SECTION 14 - TRANSPORT INFORMATION

PROPER SHIPPING NAME: **Environmentally hazardous substance, solid, n.o.s. (alkylbenzene sulfonate), Marine Pollutant**

DOT HAZARD CLASS / Pack Group: **Not Regulated.**	IATA HAZARD CLASS / Pack Group: **None**
REFERENCE: **49CFR**	IMDG HAZARD CLASS: **Marine Pollutant**
UN / NA IDENTIFICATION NUMBER:	RID/ADR Dangerous Goods Code: **NA**
LABEL: **Marine Pollutant.**	UN TDG Class / Pack Group: **None**
HAZARD SYMBOLS: **See Section 3.**	Hazard Identification Number (HIN):

Note: Transportation information provided is for reference only. Client is urged to consult CFR 49 parts 100 - 177, IMDG, IATA, EU, United Nations TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.

SECTION 15 - REGULATORY INFORMATION

TSCA (USA - Toxic Substance Control Act): **Ingredients are TSCA listed.**
SARA TITLE III (USA - Superfund Amendments and Reauthorization Act):

Acute Health:	**YES**	Chronic Health:	**NO**
Fire:	**NO**	Sudden Release of Pressure:	**NO**
Reactive:	**NO**		

SARA 313 REPORTABLE INGREDIENTS: **No chemicals are reportable under Section 313.**
CERCLA (USA - Comprehensive Response Compensation and Liability Act): **No RQ for product.**
California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986: **California No Significant Risk Level: None of the chemicals in this product are listed.**
CPR (Canadian Controlled Products Regulations):
IDL (Canadian Ingredient Disclosure List): **Ingredients are listed on the Canadian Ingredients Disclosure List.**
DSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List): **In Compliance with DSL.**
STATE Right to Know Lists:

SECTION 16 - OTHER INFORMATION

Legend:
ACGIH - American Congress of Government Industrial Hygienists
CAS - Chemical Abstracts Service
EINECS- European Inventory of Existing Commercial Chemical Substances
HMIS - Hazardous Materials Identification System
IARC - International Agency for Research on Cancer
NA - Not Available ND - Not Determined NE - Not Established NR - Not Reported
NIOSH - National Institute for Occupational Safety and Health
NTP - National Toxicology Program
OSHA - Occupational Safety and Health Administration

MATERIAL SAFETY DATA SHEET

PRODUCT NAME:	**AVantage Salt**
PRODUCT NUMBER:	**DATE: August 11, 2010**

MSDS Prepared by:
ChemTel Inc.
1305 North Florida Avenue
Tampa, Florida USA 33602-2902
Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573
Website: www.chemtelinc.com

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.