

SAFETY DATA SHEET



SECTION 1: IDENTIFICATION

PRODUCT IDENTIFIER:	Cleanse
OTHER MEANS OF IDENTIFICATION:	Hypochlorous acid in solution
RECOMMENDED USE:	Liquid scale control
RESTRICTIONS ON USE:	None Known
SUPPLIER IDENTIFIER:	Athena Ag, Inc. 1300 Marsh Landing Parkway #106, Jacksonville Beach, FL 32250, USA Phone: 1 (844) 333-1818; Email: compliance@athenaag.com
EMERGENCY PHONE NUMBER:	INFOTRAC: 1 (800) 535-5053 (Within Continental US and Canada); +001 (352) 323-3500 (International)

SECTION 2: HAZARD IDENTIFICATION

CLASSIFICATION:	Not classified as hazardous.
LABEL ELEMENTS:	None
SIGNAL WORD:	None
HAZARD STATEMENTS:	Not classified as hazardous.
PICTOGRAM: / SIGNAL WORD:	(See Section 15)
PRECAUTIONARY STATEMENTS GENERAL:	P101: If medical advice is needed, have product container or label at hand. P102: Keep out of reach of children. P103: Read label before use.
PREVENTION:	P260: Do not breathe dust/vapor/ spray P264: Wash thoroughly P280: Wear eye protection, gloves
RESPONSE:	P305+P351+P338: IF IN EYES: Rinse cautiously with water several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P303+P361+P353: IF ON SKIN (or hair). Rinse skin with water/shower. P321: For specific treatments see FIRST AID section on SDS or label.
STORAGE:	P410: Protect from sunlight.
DISPOSAL:	P501: Dispose of contents/ container in accordance with local/ regional/ national/ international regulations.



SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS NUMBER	PROPORTION IN FINAL PRODUCT
HOCl	7790-92-2	0.02-0.08%
D.I. Water		99.92-99.98%

Carcinogenic: OSHA = no NTP = no IARC = no

SECTION 4: FIRST AID MEASURES

FOLLOWING INHALATION:	Remove to fresh air.
FOLLOWING SKIN CONTACT:	Non-irritating
FOLLOWING EYE CONTACT:	Non-irritating
FOLLOWING INGESTION:	Give 2-4 cups of water to dilute. Do not give fluids by mouth if person is unconscious. Seek medical attention.

SECTION 5: FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:

Not applicable.

UNSUITABLE EXTINGUISHING MEDIA:

None known.

COMBUSTION PRODUCTS:

None known.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

None Known, substance not considered a fire or explosion hazard

HAZARDOUS THERMAL DECOMPOSITION PRODUCTS:

None.

SPECIFIC HAZARDS ARISING FROM THE PRODUCT:

None known.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS:

None.

**SECTION 6: ACCIDENTAL RELEASE MEASURES****PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES:**

Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.

ENVIRONMENTAL PRECAUTIONS:

Do not allow spills to enter waterway.

METHODS AND MATERIAL FOR CONTAINMENT AND CLEAN UP:

Sweep up spills or dilute with water.

SECTION 7: HANDLING AND STORAGE**PRECAUTIONS FOR SAFE HANDLING:**

Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

Keep container tightly closed in a dry, cool location (0-35°C) Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

MATERIALS TO AVOID:

Avoid strong acids and oxidizing agents.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**OCCUPATION EXPOSURE LIMITS:**

None known

APPROPRIATE ENGINEERING CONTROLS:

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

**INDIVIDUAL PROTECTION MEASURES****EYE/FACE PROTECTION:**

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gasses or dusts.

SKIN PROTECTION:

Chemical-resistant, impervious gloves
Long-sleeved shirt, socks and shoes.

RESPIRATORY PROTECTION:

Should not be needed under normal conditions. Use with adequate ventilation. NIOSH-approved respirator when in contact with dust, mists or vapor.

WORK PRACTICES:

Use standard safe work procedures. Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**APPEARANCE**

Clear

PHYSICAL STATE:

Liquid

ODOR:

Mild chlorine-like smell

ODOR THRESHOLD:

Not available

SPECIFIC GRAVITY (H₂O=1):

.98-1.02

RELATIVE DENSITY:

.98-1.02

pH:

6.5 – 7.5

MELTING/FREEZING POINT:

~1°C(30.2°F)

INITIAL BOIL POINT/RANGE:

>212°F (>100°C)

FLASH POINT:

>212°F (100°C)

EVAPORATION RATE:

Not available

FLAMMABILITY (SOLID, GAS):

Not available

UPPER/LOWER FLAMMABILITY OR**EXPOSURE LIMITS:**

Not available

VAPOR PRESSURE:

Same as water

VAPOR DENSITY (AIR=1):

Not available

SOLUBILITY:

No available

**PARTITION COEFFICIENT, N-OCTANOL/
WATER (LOG/KOW):**

Not available

AUTO-IGNITION TEMPERATURE:

>212°F (>100°C)

DECOMPOSITION TEMPERATURE:

Not available

VISCOSITY:

Not available



SECTION 10: STABILITY AND REACTIVITY

REACTIVITY & CHEMICAL STABILITY:

This product is stable and non-reactive under normal conditions of storage, use and transport.

POSSIBILITY OF HAZARDOUS REACTIONS:

None known.

CONDITIONS TO AVOID:

Open flames or other high-temperature sources. Which might induce thermal decomposition.

INCOMPATIBLE MATERIALS:

None known.

HAZARDOUS DECOMPOSITION PRODUCTS:

Under normal conditions hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE TOXICOLOGICAL DATA:

No components are considered toxic.

LIKELY ROUTES OF EXPOSURE:

Dermal, Ingestion, Inhalation.

INHALATION:

May cause respiratory tract irritation.

SKIN CONTACT:

May irritate skin.

EYE CONTACT:

Eye irritation.

INGESTION:

May be harmful if swallowed.

SECTION 12: ECOLOGICAL INFORMATION

ECO TOXICITY:

Non-toxic.

PERSISTENCE AND DEGRADABILITY:

Not available.

BIOACCUMULATIVE POTENTIAL:

Not available.

MOBILITY IN SOIL:

Not available.

OTHER ADVERSE EFFECTS:

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSAL METHODS:

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority



Requirements. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Rinse empty containers with clean water and treat the effluent the same as waste. Clean and empty containers are to be recycled or disposed of in accordance with local regulations.

SECTION 14: TRANSPORT INFORMATION

US DOT	Not regulated as hazardous material.
IMO	Not regulated as hazardous material.
IATA	Not regulated as hazardous material.
RID/ADR	Not regulated as hazardous material.
Canadian TDG	Not regulated as hazardous material.

SECTION 15: REGULATORY INFORMATION

SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS

CANADA - DOMESTIC SUBSTANCES LIST (DSL) / NON-DOMESTIC SUBSTANCES LIST (NDSL):

All ingredients are either listed on the DSL/NDSL or exempt.

USA - TOXIC SUBSTANCES CONTROL ACT (TSCA):

All ingredients are either listed on the TSCA Inventory or exempt.

US EPA CERCLA RQ:

No products were found.

SARA TITLE III SECTION EXTREMELY HAZARDOUS SUBSTANCE:

Section 304 EHS RQ:

No products were found.

Section 302 TPQ:

No products were found.

SARA TITLE III SEC. 311/312:

Hazard category:

N/A

US. EPA EPCRA Section 313 listed:

No products were found.

Threshold quantity

(processed or manufactured):

N/A

Threshold quantity

(otherwise used):

N/A

Canadian WHIMIS Classification:

Not regulated.

CALIFORNIA PROP 65:

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.



SECTION 16: OTHER INFORMATION

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