



SAFETY DATA SHEET

ESJS – Jetting Solution

I. IDENTIFICATION

GHS Product Identifier:	ESJS – Jetting Solution
Other means of identification:	Not Available
Product Type:	Liquid
Application:	Wastewater Treatment
IHC:	3507.90
Manufacturer Details:	Earth Smart Solutions 10, 5081 Hwy 549 W DE Winton, AB TOL OXO
Toll Free:	1-866-444-7174
Fax:	403-264-9606
Email:	info@earth-smart-solutions.com

II. HAZARD IDENTIFICATION

Hazardous Components: None – GRAS (Generally recognized as safe)

GHS label elements: The product is classified and labeled according to the Globally Harmonized System (GHS).

Precautionary statements:

- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Keep away from clothing and other combustible materials.
- Wear protective gloves/protective clothing/eye protection/face protection.
- In case of fire: Use for extinction: CO₂, powder or water spray.
- Dispose of contents/container in accordance with local/regional/national/international regulations.

III. COMPOSITION

Chemical characterization: Mixtures

Description: Mixture of the substances listed below with nonhazardous additions.

Dangerous components: Void

Additional information: The specific chemical identity and/or exact percentage composition has been withheld as a trade secret. **ESSC** is produced in accordance with NOSB (National Organic Standards Board) guidelines. The materials used in the production process are derived from naturally occurring and sustainable sources and are consistent with organic principals and the National List of Allowed Substances. **ESSC** does NOT contain synthetic chemicals, animal components, animal by-products, manure or manure by-products. **ESSC** is environmentally safe and is not harmful to animals, plants or humans.

IV. FIRST AID MEASURES

Eye Contact: Exposure to airborne concentrations above statutory or recommended exposure limits may cause severe eye irritation, risk of serious eye lesions.

First Aid: Immediately flush eyes with cold water, continue to rinse for at least 15 minutes. Contact physician immediately.

Recommended Precautions: ANSI approved safety glasses with side protection. Avoid creating dust in an enclosed environment.

Skin Contact: Exposure may cause irritation if a person has a history of dermal allergic reaction.

First Aid: Remove contaminated clothing. Wash with soap and water. Wash clothing before reuse.

Recommended Precautions: Limit exposure.

Ingestion: Severe irritation of the mouth, throat esophagus and stomach. Considered nontoxic but can lead to nausea or diarrhea.

First Aid: Give two glasses of water to dilute product, DO NOT induce vomiting. Contact physician as required.

Recommended Precautions: Limit exposure, store in safe place.

Inhalation: Exposure to airborne concentrations above statutory or recommended exposure limits may cause slight irritation of the nose, throat, and lungs.

First Aid: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Maintain an open airway. Loosen tight clothing such as collar, tie, belt or waistband. Contact physician as required.

Recommended Precautions: Use approved respiratory mask as required, avoid creating dust in non-ventilated areas.



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General Precautions: No danger from handling water soluble pouches. Wash hands after handling free product.

V. FIRE – FIGHTING MEASURES

Extinguishing Media: Water, foam, CO₂, or dry chemicals may be used. Fight larger fires with water spray or alcohol resistant foam.

Unsuitable Extinguishing Media: None known.

Special hazard arising from the substance or mixture Does not burn. Can ignite if strongly heated.

Special protective equipment for fire-fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

VI. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures: Wear protective equipment. Keep unprotected persons away.

Environmental precautions: No special precautions required.

Methods and material for containment and cleaning up: Pick up mechanically.

Reference to other sections:

- See Section 7 for information on safe handling.
- See Section 8 for information on personal protection equipment.
- See Section 13 for disposal information.

VII. STORAGE & HANDLING

Storage: Store in dry, cool, and well-ventilated area, and out of direct sunlight. Storage temperature should be between 41°F and 104°F (5°C and 40°C).

Handling: No special handling required.

Advice on General occupational hygiene: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.

VIII. EXPOSURE CONTROL

Exposure controls: Use local exhaust ventilation to control airborne concentrations below exposure limits.

Hand Protection: Chemical-resistant, Impervious gloves should be worn always when handling chemical products.

Body Protection: Personal protective equipment for the body should be selected based on the task being performed and the risk involved.

Other Skin Protection: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved.

Respiratory Protection: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification.

General protective and hygienic measures: Wash hands before breaks and at the end of work.

IX. PHYSICAL / CHEMICAL PROPERTIES

Physical state:	Liquid
Color:	Blue
Odor:	Neutral
Odor threshold:	Not applicable
PH:	6.5 – 7.5
CFU:	2 X 10g
Boiling point:	100°C (212°F)
Flash Point:	Not applicable
Evaporation rate:	Similar to Water
Flammability (solid, gas):	Not Flammable
Lower and upper explosive:	Not applicable
Solubility in water:	99.9%
Partition coefficient: n-octanol/water:	Not determined
Auto-ignition temperature:	Not determined
Viscosity:	Similar to Water
Conductivity:	Similar to Water



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Flash Point:

Not applicable

X. STABILITY & REACTIVITY INFORMATION

Reactivity: No further relevant information available.

Chemical Stability: Stable under normal conditions.

Possibility of Hazardous Reactions: Under normal conditions of storage & use, hazardous reactions won't occur. No dangerous reactions know.

Incompatible Materials: Normally un-reactive; however, avoid strong bases at high temperatures, strong acids, strong oxidizing agents and materials reactive with hydroxyl compounds.

Hazardous Decompositions Products: No dangerous decomposition products know.

XI. TOXICOLOGICAL INFORMATION

Information presented below is for the entire product, unless otherwise specified.

Likely Routes of Exposure: Eye contact; ingestion; skin contact.

Acute Toxicity

LC50: No information was located.

LD50 (oral): No information was located.

LD50 (dermal): No information was located.

Skin Corrosion/Irritation: Human experience and animal tests show mild irritation.

Serious Eye Damage/Irritation: Human experience and animal tests show serious eye irritation.

STOT (Specific Target Organ Toxicity) - Single Exposure Inhalation: No information was located.

Skin Absorption: No information was located.

Ingestion: No information was located.

Aspiration Hazard: No information was located.

STOT (Specific Target Organ Toxicity) - Repeated Exposure: No information was located.

Respiratory and/or Skin Sensitization: No information was located.

XII. ECOLOGICAL INFORMATION

Toxicity

Aquatic toxicity: No further relevant information available

Persistence and degradability: No further relevant information available

Behavior in environmental systems

Bio accumulative potential: No further relevant information available.

Mobility in soil: No further relevant information available.

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects: No further relevant information available

XIII. DISPOSAL INFORMATION

Disposal Methods: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should always comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirement of all authorities with jurisdiction. Waste packaging should be recycled.

XIV. TRANSPORT CONSIDERATIONS

	TDG Classification	DOT Classification	ADR/RID	IMDG	IATA
UN Number	Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
Un proper shipping name	-	-	-	-	-



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Transport Hazard Class(es)	-	-	-	-	-
Packing group	-	-	-	-	-
Environmental Hazards	No	No	No	No	No

Special precautions for user: Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

XV. REGULATORY INFORMATION

Canadian lists

Canadian NPRI: None of the components are listed.

CEPA Toxic substance: None of the components are listed.

International regulations

Chemical Weapon Convention List Schedules I, II, & III Chemicals: Not listed.

Montreal Protocol (Annexes A, B, C, E): Not listed.

Stockholm Convention on Persistent Organic Pollutants: Not listed.

Rotterdam Convention on Prior Informed Consent (PIC): Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals: Not listed.

Fully complies with EPA Toxic Substance Control Act (TSCA) and the rules, orders and regulations promulgated there under including:

- a) Sections 4, 5, 6 & 7; Title 40 Chapter 1, 707.20 thru 707.75.
- b) 40 CFR Sections 704.3, 710.2(e) and 720.3(c); and
- c) Sections 5 and 13, reference 42FR64583
- d) Does not contain marine pollutants as defined in 49 CFR 171.8

XVI. OTHER INFORMATION

Information sources: Suppliers SDSs, DSL, TSCA, EPA, IARC, NTP, OSHA.

Prepared By: SDS Coordinator

Date: September 2015 - Last Rev: July 2023

Abbreviations and acronyms:

IMDG: International Maritime Code for Dangerous Goods
 DOT: US Department of Transportation
 IATA: International Air Transport Association
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 PBT: Persistent, Bio accumulative and Toxic
 vPvB: very Persistent and very Bio accumulative