



**SAFETY DATA SHEET**  
**PFAS-SOL, All-Purpose Cleaner**

**SDS NUMBER: 220711-02**

**SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Product Name: PFAS-SOL, PFOA and PFOS Decontamination Product  
 Chemical Name: Not Applicable (mixture)  
 Chemical Family: Non-ionic Surfactants  
 Formula: Not Applicable (mixture)  
 Synonym(s): PFAS-SOL  
 HS No: 3402.13.1000

**COMPANY IDENTIFICATION**

**Ivey International Inc.** Unit 7, 19122-27 Ave, Surrey, BC, Canada V3Z 5T1  
 Telephone Number: + 1-604-538-1168 or Toll Free + 1-800-246-2744  
 Prepared (Last Updated): July 11, 2022

Ivey International Inc. (IVEY) urges each customer or recipient of this SDS to study it carefully to become aware of and understand the proper use and handling of the subject product. The reader should consider consulting reference materials, and/or IVEY technical support personnel, and/or other recognized experts, as necessary or appropriate to the use and understanding of the data contained in this SDS. To promote the safe handling, storage and use of this product, each customer or recipient should (1) notify his employees, agents, contractors, and others whom he knows or believes will use this product, of the information in this SDS and any other information regarding product use, storage and handling, (2) furnish this same information to each of his customers for the product, and (3) request his customers to notify their employees, customers, and other users of the product, and of this information.

**SECTION 2: COMPOSITION INFORMATION**

Substance/Mixture: Mixture  
 Generic Description: Water based biodegradable wetting agents and surfactants.

Non-Hazardous Components						
Chemical Name	CAS	%(weight)	UN;EINECS	LD50/LC50	EU Classification & R Phrases	Other
PFAS-SOL Constituents	Proprietary	1%-10%	NDA	Ingestion/Oral-Rat LD50: =1900 – 5000mg//kg Dermal/Rabbit: LD50 = >3000 mg/kg	NDA	NDA
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Water	7732 and/or 7789	10% to <90%	231-791-2	Ingestion/Oral-Rat LD50: >90mL/kg	NDA	NDA

PFAS-SOL Constituents	Proprietary	1%-10%	NDA	Ingestion/Oral-Rat LD50: =10,470mg//kg	NDA	NDA
Scent	8016	<1%	NDA	NDA	NDA	NDA
Preservative	4080-31-3	<1%	NDA	NDA	NDA	NDA

**Key to abbreviations:** NDA = No Data Available mg/kg=ppm LD50=Lethal Dose 50%

### **SECTION 3: HAZARDS IDENTIFICATION**

#### Effects of a Single Exposure

Swallowing: Non to slightly toxic. May cause abdominal discomfort and nausea for some individuals.  
Skin Absorption: No evidence of harmful effects.  
Inhalation: No evidence of harmful effects.  
Skin Contact: Brief contact should not result in any significant effects. Prolong exposure may cause mild irritation with local itching and redness for individuals with sensitive skin.  
Eye Contact: May cause mild to moderate irritation.

#### Effects of Repeated

Exposure: Repeated skin contact may cause mild dermatitis (dryness of skin).  
Medical Conditions: Existing dermatitis may be aggravated through repeated skin contact.

#### OSHA Hazardous

Ingredients: None  
RCRA Hazard Class: Non-hazardous  
Volatile Compounds: None  
Other Effects: None currently known.

### **Section 4: FIRST AID MEASURES**

Swallowing: If patient if fully conscious, give two glasses of water.  
Skin Absorption: Wash exposed skin with soap and water. Obtain medical attention if irritation or dermatitis persists. Wash exposed clothing before reuse.  
Inhalation: Not applicable.  
Eye Contact: Immediately flush eyes with water and continue until eye irritation is resolved. Remove any contact lenses, if worn. Obtain medical attention if irritation continues.  
Note to Physician: There is no required antidote. Treatment should be directed at the control of symptoms and the clinical condition of the patient.

### **Section 5: FIRE FIGHTER MEASURES**

Flammability: Not Flammable  
Auto Ignition Temp: Not Available  
Upper Flammable Limit: Not Established  
Lower Flammable Limit: Not Established  
Explosive Data: Explosive Power - Not Available  
Rate of Burning - Not Available  
Hazardous Combustion Products: Not applicable  
Exothermic: Not Applicable  
Special Protective Equipment: Not Applicable  
Extinguishing Media: Not Applicable  
Extinguishing Media To Be Avoided: Not Applicable  
Special Fire Fighting Procedures: Not Applicable

### **Section 6: ACCIDENTAL RELEASE MEASURES**

Step to be taken if Material is Released or Spilled: Eliminate and/or contain source with inert material (sand, earth, absorbent pads, etc.). Wear basic eye and skin protection. Floor may be slightly slippery; so use care to avoid falling. Avoid discharge to natural waters, and/or dilute with water. Transfer liquids to suitable containers for recovery, re-use or disposal. Contact IVEY for technical assistance if required.

### **Section 7: HANDLING AND STORAGE**

Handling Procedures: Avoid contact with eyes, skin, and clothing. Do not swallow. Keep containers closed or sealed when not in use. Wash thoroughly after handling.  
Storage: Keep closed or sealed when not in use. Do not allow to freeze.  
Ideally stored indoors between 5% C to 25% C.  
Ventilation: General mechanical room ventilation is expected to be satisfactory.

### **Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

Gloves / Type	Gloves / Type:	Latex, or similar would be sufficient.
Respiratory / Type:		None expected to be needed. However, if an engineered / industrial application where vapors and/or misting may occur, wear MSHA/NIOSH approved half mask air purifying respirator.
Eye / Type:		Mono Goggles or similar.
Footwear / Type:		No special requirements.
Clothing / Type:		Wear an apron and /or coveralls.
Other / Type:		Eye bath.
Engineering Controls:		General mechanical room ventilation is expected to be satisfactory.

### **Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

Physical state:	Water Based Liquid
Appearance:	Clear to slightly Cloudy White Color
Odor:	Mild
Molecular Weight:	Mixture (Not Applicable)
Boiling Point:	Not Applicable
Freezing Point:	Around 0°C (32°F)
Pour Point:	Not Applicable
Melting Point:	Not Applicable
Specific Gravity:	0.99-1.04 (Water = 1.0)
Vapor Pressure:	<0.01 mm Hg
Vapor Density:	> 1 (Air = 1.00)
pH:	7 (+/- 0.5) (1% solution)
Solubility in Water:	100%
Evaporation Rate:	<0.01
Coefficient of Oil/Water Distribution	Not Determined

### **Section 10: STABILITY AND REACTIVITY**

Stability:	Stable
Conditions to Avoid:	Prolonged excessive heat may cause product decomposition. Freezing should also be avoided as it may cause product decomposition. In some cases it may cause irreversible changes.
Incompatible Materials:	Normally un-reactive; however avoid strong bases at high temperatures, strong acids, strong oxidizing agents, and materials with reactive hydroxyl compounds. These compounds would damage the mixture and reduce its effectiveness during application.
Hazardous Decomposition Products:	Not applicable.
Hazardous Polymerization:	Will not occur.

### **Section 11: TOXICOLOGICAL INFORMATION**

Exposure Limit of Material:	Not Established
LD/50:	Not Available
LC/50:	Not Available
EL:	Not Established
Carcinogenicity of Material:	None Known
Reproductive Effects:	Not Available
Irritancy of Material:	See Section 3
Sensitizing Capability:	Not Available
Synergistic Materials:	Not Available

LD: Lethal Dose LC: Lethal Concentration EL: Exposure Limit

### **Section 12: ECOLOGICAL CONSIDERATIONS**

Environmental Toxicity:	Low Potential to affect aquatic organisms*
Biodegradability:	>90% in 28 days**
LC/50:	48 Hour: 0.11 %, Species: Daphnia magna
LC/50:	96 Hour: 0.07695%, Species: Rainbow Trout

\* When used in accordance with Ivey International Inc. or ASTM Decontamination Guidelines.

\*\* Based on actual testing or on data for similar material(s). Degradation Biodegradation reached in Modified OECD Screening Test (OECD Test No.301 E) after 28 days: 90 %. Biodegradation reached in CO2 Evolution Test (Modified Sturm Test, OECD Test No. 301 B) after 28 days: 70 %.

All available ecological data have been taken into account for the development of the hazard and precautionary information contained in this Safety Data Sheet.

### **Section 13: DISPOSAL CONSIDERATIONS**

Waste Disposal Method: For aqueous PFAS-SOL, mixture solutions; aerobic biological wastewater treatment systems are effective in treating said mixtures. PFAS-SOL, does not have any known negative affect on coagulant or flocculent water treatment processes.

### **Section 14: TRANSPORTATION INFORMATION**

UN Number: Not Applicable  
TDG Classification: Not Required, Non-hazardous  
Shipping Name: PFAS-SOL,  
Packing Group: Not Applicable  
Special Shipping Instructions: Do not allow to freeze

### **Section 15: REGULATORY INFORMATION**

WHMIS Classification: Not Controlled as per WHMIS Regulation.  
CPR Compliance: This product has been classified in accordance with the hazard criteria of the CPR, and the SDS contains all the information required by the CPR.  
CEPA Compliance: All ingredients of this product are listed on the DSL.  
EU REACH Compliant: Yes

### **Section 16: OTHER INFORMATION**

Available Literature and Brochures: Additional information on this product may be obtained by calling our customer service representatives at 1-800-246-2744 or +1-604-538-1168 or by visiting [www.iveyinternational.com](http://www.iveyinternational.com).

Recommended Uses and restrictions: For the application of air, soil, groundwater, shoreline, and off-shore spill petroleum reclamations purposes. Secondary recoveries of petroleum products from crude-oil, oil-shale, and oil-sands. Capable of eliminating volatile organic compounds (VOC). Effective for neutralizing pyrophoric materials.

Legend:

TS	- Trade Secret
D2B	- Toxic Material causing Other Effects.
mm	- Millimeters
LD	- Lethal Dose
LC	- Lethal Concentration
EL	- Exposure Limit
Hg	- Mercury (760 mm Hg = 1 Atmosphere, Sea Level)

**Reference: PFAS-SOL/SDS/220711-02**