

**Ivey International Inc.**

*"Today's Environmental Solutions For A Better Tomorrow"*



**DECON-IT<sup>®</sup>** Industrial and Commercial Cleaning Technology is comprised of a proprietary blend of non-ionic surfactant formulations that have a scientifically proven ability to desorb and liberate sorbed (adsorbed and absorbed) petroleum hydrocarbons (i.e. Jet Fuel, Diesel, Motor Oil, Lubricants, Bunker-C) and related residues from a wide range of surfaces.

### **DECON-IT<sup>®</sup> ADVANTAGES**

- Formulated To Cut Operating Costs
- Eliminates Cross Contamination
- No Fumes
- Biodegradable
- Non-Flammable
- No Exothermic Reactions
- Non-Abrasive
- Non-Corrosive Formulation (Neutral pH)
- Phosphate Free – Chlorine Free
- Contains No VOC's, Toxic or Hazardous Air Pollutants
- Non-Ozone Depleting
- Non-Irritating To Skin
- Faster Than Conventional Products
- Easy Rinsing With No Interfering Residues
- Reduces Man-Hours And Effort Required To Complete A Project

**DECON-IT<sup>®</sup>** Industrial and Commercial cleaning technology is suitable for:

- Healthcare and laboratory equipment
- Personal protective equipment (PPE)
- Industrial parts and machinery
- Vapor Suppression, elimination of VOC's
- Capable of eliminating certain non VOC's including H<sub>2</sub>S
- Effective for neutralizing pyrophoric materials
- Pipes and tanks
- Decontaminating field sampling apparatus and probing equipment  
(e.g. Water Level Meters, Data Loggers, Interface Probes, Dissolved O<sub>2</sub> meters, etc.)

### **Surfaces Cleaned & Methods of Application**

**DECON-IT<sup>®</sup>** has many applications that can help eliminate the hazards of contaminants in the workplace, from laboratories to research in the oil field. The product's non-corrosive formula and it's biodegradability factor makes it an ideal product for numerous cleaning needs from: glass, stainless steel and other metals, plastic, fiberglass, cement, porcelain, and ceramics. **DECON-IT<sup>®</sup>** is sprayable and can be used in steam injection cleaning, circulated or left to stand. **DECON-IT<sup>®</sup>** can also be applied by hand as a cleaner with sponge, brush or cloth.

**BIODEGRADABLE  
PHOSPHATE FREE**



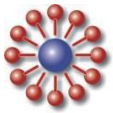
**NON-IRRITATING  
NON-TOXIC**



**NON-CORROSIVE  
FREE RINSING**



**READILY DISPOSABLE  
CONCENTRATED**



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## DECON-IT<sup>®</sup> Non-Ionic Surface Cleaner Biodegradability

DECON-IT<sup>®</sup> has been validated using OECD Procedures 301 E and 301 B and deemed Biodegradable. OECD Guidelines for Testing of Chemicals, Section 3 "Degradation and Accumulation", Test 301E is technically equivalent to ISO 7827: 1984 while AS 4351.2 (1996) is equivalent to ISO 7827:1994.

There are a variety of different parallel and suitable methodologies for assessing biodegradability and these are based around different methods for detection e.g. measurement of respiratory gases or reductions in dissolved organic carbon. What these methods show though is a reduction of the total quantity of surfactant by 90% within 28 days.

DECON-IT<sup>®</sup> has a CO<sub>2</sub> evolution after 28 days of 70%. There is a mechanism under the UK Offshore Chemical Notification Scheme to cause the reformulation of chemical products which have a lesser rate of decomposition under Test 301E i.e. when between 20 and 70% carbon dioxide is evolved. In this case 70 % compliance is shown so the product would be expected to be highly degradable under said conditions as encountered project sites.

<sup>®</sup>  
*Note: The discussion on DECON-IT<sup>®</sup> biodegradability was produced by Dr. Steven Nearhos, a Senior Microbiologist with Baseline (Australia) Pty. Ltd.*

## DECON-IT<sup>®</sup> Mixing Directions

Start with a small test area using DECON-IT<sup>®</sup> at full strength. Proceed with mixtures of DECON-IT<sup>®</sup> diluted in cold, warm or hot water, until correct concentration for test area is determined. If available, warm water is preferred. Use cold water for blood stains. If the spill or stain is aged, you may apply the DECON-IT<sup>®</sup> and allow it to have contact with the oils for a short period of time before wiping it off. Clean by soaking, circulating, wiping or ultrasonic methods. RINSE THOROUGHLY - preferably with running water. For critical cleaning, do final or all rinsing in distilled, de-ionized or purified water. For food contact surfaces, rinse with potable water. Product can also be used in pressure spray wash applications – foaming is likely.

## DECON-IT<sup>®</sup> Precautions

There are no specific and or special precautions to consider, except for good industrial hygiene and safety practices employed with any industrial chemical (see Container Directions). Do not allow to freeze. DECON-IT<sup>®</sup> is European Union REACH compliant, Material Safety Data Sheet (MSDS) and GHS Compliant Safety Data Sheets (SDS) are available and can be downloaded at:

[www.iveyinternational.com](http://www.iveyinternational.com)

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### Registered Distributor:

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### DECON-IT® Physical Data

pH of 1% solution	7 (+/- 0.5)
Specific Gravity (g/ml)	0.99-1.04(water=0)
Density (lbs/gal)	997.0479 kg/m3
Vapor Pressure (mm Hg)	<0.01mm Hg
Flash Point (degrees F)	Not Applicable
Phosphate Content (as Phosphorus)	Not Applicable
Fragrance Content	Citrus - Grapefruit
Organic Carbon (% calculated w/w)	Not Applicable
Surface Tension 1% solution (Dyne/cm)	<30 dynes
Color:	Clear to Cloudy White
Form:	Liquid
Solubility in Water:	100%
Hard Water Effectiveness:	Highly Effective
Biodegradability:	>90% in 28 Days
Foam Tendency:	Low to Moderate
Shelf Life:	1 year in a sealed container

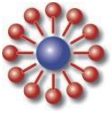
### DECON-IT® Health & Safety Information

OSHA Hazardous Ingredients:	None
RCRA Hazard Class:	Non-hazardous
EPA Priority Pollutants:	None
DOT Hazard Class:	Non-hazardous
Flammability:	Non-flammable
Oral Toxicity:	Not Applicable
No ingredient defined as an oral toxicant by OSHA	
Eye Irritation:	Mild eye irritant if not rinsed
Inhalation Toxicity:	Non-irritating
Latex Content:	None
VOC Content:	0%
Preservation	None to Food Grade
Carcinogenicity:	NTP = No IARC = No OSHA = No
All ingredients in DECON-IT® are listed in TSCA inventory.	

*Note: Information presented is typical and not to be taken as specifications.*

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### Photographs of DECON-IT® Applications



Ivey International Inc. is an international award winning environmental technology company with a commitment to provide outstanding products and services through the development and application of innovative air, soil and groundwater remediation technology. **DECON-IT®** and the complete range of the Ivey International Inc. products and processes have established a strong international reputation, with significant time and cost savings for our project partners and clients.

**PRODUCT AWARDS: Globe Award, North American Frost & Sullivan Award, Environmental Business Journal Award, R.F Weston Awards, MYSTIC Environmental Excellence Award**

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