



# MATERIAL SAFETY DATA SHEET

## ZAK INTAKE SYSTEM CLEANER

PRODUCT CODE: F640

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** ZAK Intake System Cleaner  
**Synonyms:** None  
**Supplier:** Zak Products, 720 Industrial Blvd. #400, Grapevine, TX 75051  
**Emergency Telephone (24 hr.):** CHEMTREC 1-800-424-9300  
**Information Telephone:** ZAK Products 1-800-514-5011 During normal business hours CST 817-645-6088

**Revision Date:** 12/27/2002  
**Date Printed:** 10/10/2003

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient/CAS No.	wt. %	OSHA PEL TWA	OSHA PEL Ceiling Limits	ACGIH TLV TWA	ACGIH TLV STEL
Xylene 1330-20-7	65-75	100 ppm	Not Known	100 ppm	150 ppm
Isopropyl Alcohol 67-63-0	15-25	400 ppm	Not Known	400 ppm	500 ppm
Diacetone alcohol 123-42-2	5-15		None Established	None Established	None Established

### 3. HAZARDS IDENTIFICATION

**Emergency Overview:** Warning: Extremely Flammable. Aromatic solvent odor

### 4. FIRST AID MEASURES

**Eye Contact:** In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.

**Ingestion:** DO NOT INDUCE VOMITING. Give nothing by mouth. Get medical attention! If vomiting occurs, keep head lower than hips to prevent aspiration.

**Inhalation:** If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.

**Skin Contact:** In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. Get medical attention.

### 5. FIRE FIGHTING MEASURES

**Flammable Properties**

**Flash Point °F(°C):** 53F (lowest component)  
**Flash Point Method:** TAG Closed Cup  
**Flammable Limits in Air - Lower (%):** NT  
**Flammable Limits in Air - Upper (%):** Not Determined  
**Autoignition Temperature °F(°C):** Not Determined  
**Extinguishing Media:** Carbon Dioxide, Dry Chemicals, Foam.

**Protection Of Fire-Fighters:**

**Special Fire-Fighting Procedures:** Wear approved positive-pressure self-contained breathing apparatus and protective clothing.  
**Hazardous Combustion Products:** Carbon Dioxide. Carbon Monoxide. Fumes and Smoke.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Wear appropriate protective clothing and equipment to prevent skin and eye contact.

**Spill Procedures:** Wear protective equipment specified. Keep away from heat sparks and flames. Avoid all sources of ignition; heat, sparks and open flames. Ventilate spill area. Soak up material with absorbent and place in chemical waste container. Remove sources of ignition. Increase area ventilation. Absorb spills on inert material such as perlite, vermiculite, sand or dirt. Place in double polyethylene bags. Isolate from other waste materials. Stop release at source. Dike area and contain. Clean up small spills and leaks immediately. Use non-sparking tools and equipment.

**Environmental Precautions:** Keep away from drains.

### 7. HANDLING AND STORAGE

**Handling and Storage:** Use ground strap. Keep container closed when not in use. Avoid contact with skin and eyes. Warning: Flammable. Keep away from food and smoking materials. Wash hands before eating and smoking. Use in a well ventilated area to prevent irritation by vapors.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** Exhaust ventilation.  
**Eyes:** Wear safety glasses or goggles to protect against exposure.  
**Skin Protection:** Avoid skin contact. Wear protective clothing and gloves.  
**Respiratory Protection:** Use in a well ventilated area.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Solid  
**Odor:** OF XYLENE SOLVENT ODOR  
**Vapor Pressure:** Not Determined  
**Boiling Point (°F):** Not determined.  
**Solubility in Water:** MODERATELY  
**Molecular Weight:** Not Determined  
**Viscosity:** Not determined.  
**VOC Content(%):** Not determined.

**pH Value:** Not Determined  
**Vapor Density (Air=1):** Not Determined  
**Melting/Freezing Point:** Not determined.  
**Bulk Density at 20°C:** Not Determined  
**Evaporation Rate:** Not Determined  
**Specific Gravity (H2O=1):** Not determined.  
**Decomposition Temperature:** Not Known

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** STABLE.  
**Conditions to Avoid:** Keep away from heat, sparks and flame. Avoid any source of ignition.  
**Materials to Avoid:** Contact with oxidizing agents.  
**Hazardous Decomposition Products:** Carbon monoxide.  
**Hazardous Polymerization:** WILL NOT OCCUR

## 11. TOXICOLOGICAL INFORMATION

### Toxicological Data:

Ingredient/CAS No.	wt. %	Route	Species	Dose
Xylene 1330-20-7	65-75	Inhalation	Rats	LC50 5000 ppm
Isopropyl Alcohol 67-63-0	15-25	Inhalation	Rats	LC50 16,000 ppm
Diacetone alcohol 123-42-2	5-15	Oral	Rats	LD50 4000mg/kg

### Carcinogenicity:

Ingredient/CAS No.	wt. %	IARC	NTP	OSHA
Xylene 1330-20-7	65-75	Group 3 (not classifiable)	Not Listed	Not Listed
Isopropyl Alcohol 67-63-0	15-25	Not Listed	Not Listed	Not Listed
Diacetone alcohol 123-42-2	5-15	Not Listed	Not Listed	Not Listed

## 12. ECOLOGICAL INFORMATION

## 13. DISPOSAL CONSIDERATION

**Waste Classification:** Not determined.

**Waste Management:** Not determined.

Disposal should be made in accordance with federal, state and local regulations.

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## 14. TRANSPORTATION INFORMATION

**U.S. DOT:**

**Proper Shipping Name:** ORM-D CONSUMER COMMODITY  
**Hazard Class:** ORM-D  
**UN/NA Number:** Not Applicable  
**DOT Packing Group:** Not Applicable

**IMDG:**

**Proper Shipping Name:** Flammable Liquid, n.o.s.  
**Hazard Class:** 3  
**Hazard Subclass:** Not determined.  
**UN No.:** UN 1993  
**Packing Group:** II  
**Marine Pollutant:** Not determined.

## 15. REGULATORY INFORMATION

**US Federal Regulations:**

Ingredient/CAS No.	wt. %	SARA 313	SARA 302	RQ	TPQ
Xylene 1330-20-7	65-75	Listed	Not Listed	100	NA
Isopropyl Alcohol 67-63-0	15-25	Listed	Not Listed	NA	NA
Diacetone alcohol 123-42-2	5-15	Not Listed	Not Listed	NA	NA

**SARA 311/312 Hazard Categories:** Not Determined.

**State Regulations:**

Ingredient/CAS No.	wt. %	California Prop. 65 Cancer list	California Prop. 65 Developmental Toxicity	California Prop. 65 Reproductive Female	California Prop. 65 Reproductive Male
Xylene 1330-20-7	65-75	Not Listed	Not Listed	Not Listed	Not Listed
Isopropyl Alcohol 67-63-0	15-25	Not Listed	Not Listed	Not Listed	Not Listed
Diacetone alcohol 123-42-2	5-15	Not Listed	Not Listed	Not Listed	None Established

**U.S. TSCA:**

The components of this product are listed on the TSCA Inventory.

## 16. OTHER INFORMATION

**General Notes:** Do not allow undiluted material or large quantities to reach groundwater, bodies of water or sewer system.

**Disclaimer:**

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