

# SAFETY DATA SHEET

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## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** DFB Xtra

**OTHER MEANS OF IDENTIFICATION:** Not applicable.

**GENERAL USE:** For professional drycleaning use only.

**PRODUCT DESCRIPTION:** Drycleaning Detergent and Sizing.

### MANUFACTURER

Adco Professional Products LLC

1706 Ledo Rd.

Albany, GA 31707

**Product Information:** 800-323-7206 (USA  
& Canada only) or 630-416-4244

### 24 HR. EMERGENCY TELEPHONE NUMBERS

**Medical Emergency:** 866-303-6947 (USA & Canada  
only) or 651-632-9272

**Transportation Emergency:** 800-424-9300 (USA &  
Canada only) or 703-527-3887

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## 2. HAZARDS IDENTIFICATION

### GHS CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Skin Irritation/corrosion: Category 2

Serious Eye Damage: Category 1

Specific Target Organ Toxicity (STOT-SE) Narcotic Effects): Category 3

Carcinogenicity: Category 2

### GHS LABEL ELEMENTS

**Symbol(s):**



**Signal Word:** Warning

### Hazard Statements:

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

H351: Suspected of causing cancer.

### Precautionary Statements:

P201 – Obtain special instructions before use.

P202 – Do not handle until all safety precautions have been read and understood.

P261 – Avoid breathing dust, fume, gas, mist, vapor, spray.

P264 – Wash thoroughly after handling.

P271 – Use only outdoors or in well-ventilated area.

P280 – Wear protective gloves/protective clothing/eye protection/face protection.

P281 – Use personal protective equipment as required.

P302+P352 – IF ON SKIN: wash with plenty of soap and water.

- P304+P340 – IF INHALED: Remove person to fresh air and keep in a position comfortable for breathing.
- P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P308+P313 – IF exposed or concerned, get medical advice/attention.
- P332+P313 – IF SKIN irritation occurs: Get medical advice/attention.
- P362 – Take off contaminated clothing and wash before reuse.
- P403+P233 – Store in a well-ventilated place and keep container tightly closed.
- P501 – Dispose of contents and container to licensed, permitted incinerator, or other thermal destruction device.

**Other Hazards:** Not available.

**Unknown Acute Toxicity:** 42% of the ingredients in this product have unknown acute toxicity.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

The specific identities of one or more components of this product are withheld as a trade secret.

<u>Chemical Name</u>	<u>Wt.%</u>	<u>CAS</u>
Tetrachloroethylene	30-40	127-18-4
Trade Secret #2	-	-
Trade Secret #3	-	-
Trade Secret #4	-	-
Trade Secret #5	-	-
Trade Secret #6	-	-
Trade Secret #7	-	-
Trade Secret #8	-	-

**COMMENTS:** None.

### 4. FIRST AID MEASURES

**EYES:** Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

**SKIN:** Remove contaminated clothing. Wash with water. Consult a physician if irritation persists.

**INGESTION:** Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

**INHALATION:** Remove affected person to fresh air. If not breathing, give artificial respiration. Get medical attention.

#### **SIGNS AND SYMPTOMS OF OVEREXPOSURE**

**EYES:** Pain, irritation, watering, redness.

**SKIN:** Irritation, redness, drying.

**SKIN ABSORPTION:** No data available.

**INGESTION:** Irritation to mouth, throat, and stomach. Nausea, diarrhea, gastrointestinal disturbances.

**INHALATION:** Excessive exposure to mists or vapors generated by heat may cause irritation to eyes, nose, throat and lungs, respiratory tract, headaches, loss of consciousness, nausea.

**ADDITIONAL INFORMATION:** After emergency actions, call the emergency medical information number on page 1 or a physician immediately.

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## 5. FIRE FIGHTING MEASURES

**FLAMMABLE CLASS:** Not applicable.

**EXTINGUISHING MEDIA:** Carbon dioxide, dry chemical, foam, water spray or fog.

**HAZARDOUS COMBUSTION PRODUCTS:** Carbon dioxide, carbon monoxide, oxides of sulfur.

**FIRE FIGHTING EQUIPMENT:** Not applicable.

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## 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Clean up spill with absorbent material and water, if necessary.

**LARGE SPILL:** Contain spill. Avoid breathing vapor. Clean up spills immediately with absorbent material, observing precautions in the Exposure Controls/Personal Protection section (see section 8). Place absorbed material in closed containers for disposal (see section 13). Do not flush to sewer. Avoid contamination of ground and surface waters.

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## 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Not applicable.

**HANDLING:** Follow all SDS/label precautions even after container is emptied because it may retain product residues.

**STORAGE:** Store in labeled, tightly sealed containers.

**ELECTROSTATIC ACCUMULATION HAZARD:** Not applicable.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**EXPOSURE GUIDELINES:**

**OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)**

	<b>EXPOSURE LIMITS</b>					
	<b>OSHA PEL</b>		<b>ACGIH TLV</b>		<b>Supplier OEL</b>	
	<b>ppm</b>	<b>mg/m<sup>3</sup></b>	<b>ppm</b>	<b>mg/m<sup>3</sup></b>	<b>ppm</b>	<b>mg/m<sup>3</sup></b>
Tetrachloroethylene	<b>TWA</b>	100				
	<b>STEL</b>	200 <sup>[1]</sup>	100			
(Trade Secret #2)	<b>TWA</b>	NE <sup>[2]</sup>	NE			
	<b>STEL</b>	NE	NE			
(Trade Secret #3)	<b>TWA</b>	NE	NE			
	<b>STEL</b>	NE	NE			
(Trade Secret #4)	<b>TWA</b>	NE	NE			
	<b>STEL</b>	NE	NE			
(Trade Secret #5)	<b>TWA</b>	NE	NE			
	<b>STEL</b>	NE	NE			
(Trade Secret #6)	<b>TWA</b>	NE	NE			
	<b>STEL</b>	NE	NE			

(Trade Secret #7)	<b>TWA</b> NE	NE
	<b>STEL</b> NE	NE
(Trade Secret #8)	<b>TWA</b> NE	NE
	<b>STEL</b> NE	NE

**TABLE FOOTNOTES:**

1. Ceiling concentration. A 300 ppm peak concentration is allowed for 5 minutes in any 3-hour period.
2. NE=Not established.

**The specific identities of one or more components of this product are withheld as a trade secret.**

**ENGINEERING CONTROLS:** Not applicable.

**PERSONAL PROTECTIVE EQUIPMENT**

**EYES AND FACE:** Safety glasses with side shields, or goggles.

**SKIN:** Viton<sup>®</sup>, PVA, or Barrier<sup>™</sup> gloves.

**RESPIRATORY** NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

**PROTECTIVE CLOTHING:** Where contact is likely, wear the appropriate chemical resistant equipment, which depending on circumstances may include gloves, a chemical suit, rubber boots, and chemical safety goggles plus a face shield.

**WORK HYGIENIC PRACTICES:** Wash thoroughly after handling. Do not eat or drink in work area.

**OTHER USE PRECAUTIONS:** Have eye wash station available. Do not wear contact lenses without eye protection.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**APPEARANCE:** Clear.

**PHYSICAL STATE:** Liquid.

**COLOR:** Yellow.

**ODOR:** Slight sweet-ethanol.

**ODOR THRESHOLD:** No data available.

**pH:** 5-6 (20:80 in IPA/H<sub>2</sub>O solution)

**FREEZING POINT:** No data available.

**INITIAL BOILING POINT:** No data available.

**FLASHPOINT:** >230°F (PM)

**EVAPORATION RATE:** No data available.

**FLAMMABILITY (Solid, Gas):** Not applicable, this product is a liquid at room temperature.

**FLAMMABLE LIMITS:** No data available.

**VAPOR PRESSURE:** No data available.

**VAPOR DENSITY:** No data available.

**RELATIVE DENSITY:** 1.117

**SOLUBILITY IN WATER:** Dispersible.

**PARTITION COEFFICIENT (Log K<sub>ow</sub>):** No data available.

**AUTOIGNITION TEMPERATURE:** No data available.

**DECOMPOSITION TEMPERATURE:** No data available.

**VISCOSITY:** No data available.

**PERCENT VOLATILE:** No data available.

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## 10. STABILITY AND REACTIVITY

**REACTIVITY:** No.

**CHEMICAL STABILITY:** Stable.

**POSSIBILITY OF HAZARDOUS REACTIONS:** Polymerization will not occur.

**CONDITIONS TO AVOID:** Exposure of vapors to high heat or open flame.

**INCOMPATIBLE MATERIALS:** Strong oxidizers, strong acids, aluminum, and other metals.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Hydrogen chloride, phosgene and other toxic vapors may be produced on burning vapors.

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## 11. TOXICOLOGICAL INFORMATION

**ROUTES OF EXPOSURE:** Inhalation and skin.

**ACUTE TOXICITY (ATE):**

**DERMAL LD<sub>50</sub>:** Insufficient data available.

**ORAL LD<sub>50</sub>:** Insufficient data available.

**INHALATION LC<sub>50</sub>:**> 20 mg/L (rat)

**CHRONIC**

**TARGET ORGANS:** Overexposure may cause liver and kidney damage.

**SENSITIZATION:** Insufficient data available.

**CARCINOGENICITY**

**IARC:** Tetrachloroethylene is classified as 2A (Probably carcinogenic to humans)

**NTP:** Tetrachloroethylene is on the NTP list.

**OSHA:** Insufficient data available.

**OTHER:** ACGIH: A3. Confirmed animal carcinogen with unknown relevance to humans

**OTHER:** No data available.

**REPRODUCTIVE EFFECTS:** Insufficient data available.

**MUTAGENICITY:** Insufficient data available.

**SYNERGISTIC MATERIALS:** No data available.

**POTENTIAL HEALTH EFFECTS**

**EYES:** May cause severe eye damage.

**SKIN:** May cause skin irritation.

**SKIN ABSORPTION:** Insufficient data available.

**INGESTION:** May be fatal if swallowed.

**ASPIRATION HAZARD:** Insufficient data available.

**INHALATION:** Harmful if inhaled. High concentrations can cause central neurological depression and EEG abnormalities.

**MEDICAL CONDITIONS AGGRAVATED:** Chronic diseases of the central nervous system, respiratory system, kidney, liver, skin, and eyes.

**GENERAL COMMENTS:** Refer to Section 3 of this SDS and the SDS provided by your tetrachloroethylene (perc) supplier for additional information on potential health effects.

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**12. ECOLOGICAL INFORMATION**

**ECOTOXICITY:** Some components of this product have moderate aquatic toxicity.

**PERSISTENCE AND DEGRADABILITY:** Some components of this product are not readily biodegradable.

**BIOACCUMULATIVE POTENTIAL:** Insufficient data available.

**MOBILITY IN SOIL:** Insufficient data available.

**OTHER ADVERSE EFFECTS:** No data available.

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**13. DISPOSAL CONSIDERATIONS**

**DISPOSAL METHOD:** Recovered liquids may be sent to a licensed reclaimer or incineration facility. Contaminated material must be disposed of in a permitted waste management facility. Consult federal, state and local authorities for approved procedures.

**EMPTY CONTAINER:** Not applicable.

**RCRA/EPA WASTE INFORMATION:** Contains material(s) listed by RCRA as a hazardous waste.

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**14. TRANSPORT INFORMATION****DOT (DEPARTMENT OF TRANSPORTATION)**

**PROPER SHIPPING NAME:** Tetrachloroethylene

**PRIMARY HAZARD CLASS/DIVISION:** 6.1

**UN/NA NUMBER:** UN1897

**PACKING GROUP:** III

**LABEL:** Toxic, PG III

**OTHER SHIPPING INFORMATION:** Containers larger than 30 gallons contain a Reportable Quantity of tetrachloroethylene.

**CANADA TRANSPORT OF DANGEROUS GOODS**

**PROPER SHIPPING NAME:** Tetrachloroethylene

**PRIMARY HAZARD CLASS/DIVISION:** 6.1

**UN/NA NUMBER:** UN1897

**PACKING GROUP:** III

**LABEL:** Toxic, PG III

**OTHER SHIPPING INFORMATION:** Not applicable.

**AIR (ICAO/IATA)**

**PROPER SHIPPING NAME:** Tetrachloroethylene

**PRIMARY HAZARD CLASS/DIVISION:** 6.1

**UN/NA NUMBER:** UN1897

**PACKING GROUP:** III

**LABEL:** Toxic

**PLACARDS:** Consult applicable regulations governing air shipments.

**IATA NOTE:** Consult IATA for packaging requirements and quantity limitations.

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**15. REGULATORY INFORMATION****UNITED STATES****SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)****311/312 HAZARD CATEGORIES:**

**FIRE:** No. **PRESSURE GENERATING:** No. **REACTIVITY:** No. **ACUTE:** Yes. **CHRONIC:** Yes.

**313 REPORTABLE INGREDIENTS:** Tetrachloroethylene is reportable.

**CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)****CERCLA RQ:** Tetrachloroethylene has an RQ of 100 lbs.**REPORTABLE SPILL QUANTITY:** 29 gals**RCRA STATUS:** See section 13.**MEXICO**

Not applicable.

**STATE REGULATIONS****MASSACHUSETTS**

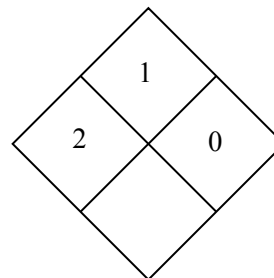
Contains one or more substances regulated by the Massachusetts Substance List.

**CALIFORNIA**

PROPOSITION 65 STATEMENT: Tetrachloroethylene is on the Proposition 65 list of chemicals known to the State of California to cause cancer.

**16. OTHER INFORMATION**

<b>HMIS RATINGS</b>	
HEALTH:	2
FLAMMABILITY:	1
REACTIVITY:	0
PERSONAL PROTECTION:	B

**NFPA RATINGS****SDS Revision Date:** April 29, 2015