

# Aexcel Corporation

## Material Safety Data Sheet

### I. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** 12R-D049  
**Product Code:** 12R-D049  
**Description:** Red Fast Dry Alkyd Zone Marking Paint  
**Manufacturer:** Aexcel Corporation  
7373 Production Drive  
Mentor, OH 44060  
**Phone Numbers:** Information: 440-974-3800  
Emergency/CHEMTREC: 800-424-9300  
**MSDS Rev No./Date:** 2 2005-09-27 15:49:55

### II. COMPOSITION/INFORMATION ON POTENTIALLY HAZARDOUS INGREDIENTS

Chemical Name	CAS No.	Wt %	OSHA Permissible Exposure Limits (PEL)	
			STEL, ppm	TWA, ppm
TOLUENE	108-88-3	19.18	150	100
HEXANE	110-54-3	5.85	N.E.	50 ppm
LEAD CPDS (AS PB)	NONE	2.26	N.E.	.05 mg/m3 (as Pb)
CHROME COMPOUNDS (AS CR03)	NONE	0.99	N.E.	0.1 mg/m3 (as Cro3) ceiling

### III. HAZARDS IDENTIFICATION

**HMIS Safety Ratings**  
(0 - 4, 4 = severe hazard)

Health	Flammability	Reactivity
3*	3	0

#### Health Hazards

**Routes of Entry:** Inhalation, Absorption, Skin contact, Eye contact

**Target Organs:** Overexposure can affect the following:, Brain, Heart, Liver, Muscles, Nervous System

#### Immediate (Acute) Health Effects by Route of Exposure:

**Inhalation Irritation:** High gas, vapor, mist, or dust concentrations may be harmful if inhaled.

**Skin Contact:** Can cause severe irritation, defatting, and dermatitis. Irritation effects may last for hours or days but will not likely result in permanent damage.

**Skin Absorption:** A single exposure is not likely to result in the product being absorbed through the skin in harmful amounts. Component(s) may be absorbed through intact skin, but it is unlikely that harmful affects will occur unless contact is prolonged, repeated, and extensive.

**Eye Contact:** Can cause minor irritation, tearing and reddening.

#### Long-Term (Chronic) Health Effects:

**Carcinogenicity:** See Section XV.

**Reproductive/Developmental:** Contains a substance that is a probable reproductive system hazard based on human studies.

**Mutagenicity:** No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.

**Inhalation:** Breathing large amounts may cause harmful effects.

**Skin Contact:** Upon prolonged or repeated contact can cause severe irritation, defatting, and

dermatitis. May cause lingering effects but not likely to result in permanent damage if the exposure is eliminated.

**Skin Absorption:**

Upon prolonged or repeated exposure, no hazard in normal industrial use.

**Ingestion:**

Swallowing large amounts is harmful, seek medical attention. Overexposure to lead compounds may cause neurological, kidney, and reproductive effects and anemia.

**Notice:** Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

**IV. FIRST-AID MEASURES**

---

**Inhalation:** If symptoms are experienced remove source of contamination or move victim to fresh air and obtain medical advice.

**Eyes:** Use an eye wash to remove a chemical from your eye regardless of the level of hazard. Flush the affected eye for at least twenty minutes. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Seek medical advice after flushing. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and tested by medical personnel.

**Skin Contact:** Wash with soap and water. Get medical attention if irritation develops or persists. Wash with soap and water.

**Ingestion:** If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting. Contact a poison information service for immediate/additional treatment advice

**V. FIRE FIGHTING MEASURES**

---

**Flammability Summary:** Flammable-10 Deg. F. TCC

**Flash Point:**

**Fire Fighting Instructions:** Wear a self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment. Refer to the personal protective equipment section of this MSDS.

**Haz Combustion Products:** Carbon dioxide Carbon monoxide Hydrocarbons

**Component Parameters:**

	Flashpoint TCC deg F	Autoignition Temp deg F	UEL % in air	LEL % in air
TOLUENE	45	896.00	7.0	1.0
HEXANE	-10	437.00	7.5	1.0

**VI. ACCIDENTAL RELEASE MEASURES**

---

**Small Spill:** Eliminate all sources of ignition such as flares, flames, pilot lights, and sparks. Absorb liquid on vermiculite, floor absorbent, or other absorbent material.

**Large Spill:** Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source. Prevent from entering bare ground, drains, sewers, streams or other bodies of water. Prevent from spreading. Pump or vacuum-transfer spilled product for recovery. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal. Prevent run-off to bare ground, sewers, streams or other bodies of water. If run-off occurs, notify proper authorities as required that a spill has occurred.

## VII. HANDLING AND STORAGE

---

**Handling/Storage:** Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed. All five-gallon pails and larger metal containers, including tank cars and tank trucks, should be grounded and/or bonded when material is transferred. Emergency eyewash fountains and safety showers should be available in the immediate vicinity of potential exposure.

## VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

---

**Engineering Measures:** Provide sufficient general and/or local exhaust ventilation to maintain exposure below TLV(s).

**Respiratory Protection:** If workplace exposure limit(s) of product or any component is exceeded, a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators under specified conditions. Engineering or administrative controls should be implemented to reduce exposure.

**Eye Protection:** Wear safety glasses when handling this product.

**Skin Protection:** Avoid skin contact by wearing chemically resistant gloves, an apron and other protective equipment depending upon conditions of use. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work. Use impervious gloves. Use of coveralls is recommended.

**Gloves:** Polyvinylalcohol

### Control Parameters:

Chemical Name	ACGIH TLV-TWA ppm	ACGIH STEL ppm	IDLH ppm
TOLUENE	100	150	1500
HEXANE	50	50	
LEAD CPDS (AS PB)	.05 mg/m3	.05 mg/m3	
CHROME COMPOUNDS (AS CR03)	.10 mg/mg	.10 mg/m3	

## IX. PHYSICAL AND CHEMICAL PROPERTIES

---

**Appearance:** Heavy Red Liquid

**Odor:** Faint

**Bulk Density:** 12.68 lbs/gal

**Volatiles, by weight:** 25.8%

**Volatiles, by volume:** 48.0%

<u>Component Properties:</u>	VP mmHg	at deg F	Vapor Density (1 = air)	Evaporation Rate (1 = n-butyl acetate)	BP F at 1 atm
TOLUENE	16.7	77	3.200	2.00	233
HEXANE	59.2	77	3.000	9.00	159

## X. STABILITY AND REACTIVITY

---

**Stability/Reactivity:** Stable under normal conditions.

**Polymerization:** Will not occur.

**Conditions to Avoid:** Avoid heat, sparks, open flame and other ignition sources.

**Chemical Incompatibility:** Strong acids Oxidizing materials

**Haz Decomposition Products:** Carbon dioxide Carbon monoxide Hydrocarbons

## XI. TOXICOLOGICAL INFORMATION

---

No data  
12R-D049

## XII. ECOLOGICAL INFORMATION

---

No data

## XIII. DISPOSAL CONSIDERATIONS

---

**Disposal Methods:** Dispose of in accordance with all applicable local, state and federal regulations.

## XIV. TRANSPORTATION INFORMATION

---

**DOT Basic Description:** Paint, Flammable Liquid

**Hazard Class:** 3

**UN Number:** UN1263

## XV. REGULATORY INFORMATION

---

**TSCA Status:** A component or components of this product are listed on the TSCA Inventory of Existing Chemical Substances.

<b>Chemical Name</b>	<b>CAS #</b>	<b>Regulation</b>
Toluene	108-88-3	CERCLA
Hexane	110-54-3	CERCLA
Toluene	108-88-3	SARA 312
Hexane	110-54-3	SARA 312
Lead Compounds (AS PB)	NONE	SARA 312
Chrome Compounds (AS CR03)	NONE	SARA 312
Toluene	108-88-3	SARA 313
Hexane	110-54-3	SARA 313
Lead Compounds (AS PB)	NONE	SARA 313
Chrome Compounds (AS CR03)	NONE	SARA 313
Toluene	108-88-3	CAA HAP
Lead Compounds (AS PB)	NONE	CA Prop 65 - WARNING: This component known to the State of California to cause cancer.
Chrome Compounds (AS CR03)	NONE	CA Prop 65 - WARNING: This component known to the State of California to cause cancer.
Ethyl Benzene	100-41-4	CA Prop 65 - WARNING: This component known to the State of California to cause cancer.
Toluene	108-88-3	CA Prop 65 - WARNING: This component known to the State of California to cause birth defects or other reproductive harm.
Toluene	108-88-3	PA Regulated Mat'l
Hexane	110-54-3	PA Regulated Mat'l
Toluene	108-88-3	MA Right-to Know
Toluene	108-88-3	NJ Regulated Mat'l
Hexane	110-54-3	NJ Regulated Mat'l

## XVI. ADDITIONAL INFORMATION

---

**Disclaimer:** THE INFORMATION IN THIS MATERIAL SAFETY DATA SHEET (MSDS) IS TO THE BEST OF OUR KNOWLEDGE TRUE AND ACCURATE, BUT IS OFFERED WITHOUT WARRANTY, EXPRESS OR IMPLIED. CONDITIONS OF USE ARE BEYOND OUR CONTROL. NEITHER AEXCEL CORPORATION NOR ITS AGENTS SHALL BE LIABLE FOR ANY DIRECT OR CONSEQUENTIAL INJURY, LOSS, OR DAMAGE ARISING FROM THE USE OR INABILITY TO USE THE PRODUCT DESCRIBED HEREIN. NO PERSON IS AUTHORIZED TO MAKE ANY STATEMENT OR RECOMMENDATION NOT CONTAINED IN THIS MSDS. ANY SUCH STATEMENT OR RECOMMENDATION IF MADE SHALL NOT BIND THE CORPORATION.