

# SAFETY DATA SHEET

TOMORROW'S TECHNOLOGY TODAY

<b>DATE ISSUED :</b>	1/12/2018
<b>SDS REF. No :</b>	922-901

# Elpaco

COATINGS CORP.

## TIOTECH BLACK FLOCK ADHESIVE

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** TIOTECH BLACK FLOCK ADHESIVE

**PRODUCT CODE:** 922-901

**SYNONYMS:**

**CAS NUMBER:**

**PRODUCT USE:** NOT APPLICABLE

**MANUFACTURER**

Elpaco Coatings Corp  
P.O. Box 50256

St. Louis, MO,  
800-325-8153

**24 HR. EMERGENCY TELEPHONE NUMBER**

**CHEMTREC (US Transportation):** (800)424-9300  
**CHEMTREC (International Transportation):** 1(202)483-7616

### 2. HAZARDS IDENTIFICATION

**CLASSIFICATION :** FLAMMABLE LIQUID AND VAPOR

**PICTOGRAMS**



**SIGNAL WORD :** WARNING

**HAZARD STATEMENTS :** MAY BE HARMFUL IF SWALLOWED. MAY BE HARMFUL IN CONTACT WITH SKIN. MAY BE HARMFUL IF INHALED. FLAMMABLE LIQUID AND VAPOR

**PRECAUTIONARY STATEMENTS :** Do not handle until all safety precautions have been read and understood.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Weight %	CAS Number
*PETROLEUM HYDROCARBON SOLVENT	45.6	8052-41-3

\* Toxic chemical subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

"WARNING: THIS PRODUCT CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM."

### 4. FIRST AID MEASURES

**EYES :** FLUSH WITH LARGE QUANTITIES OF WATER AND GET MEDICAL ATTENTION.

**SKIN :** WASH AFFECTED AREAS WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING.

**INGESTION :** OBTAIN MEDICAL ASSISTANCE TO DETERMINE BEST TREATMENT. DO NOT INDUCE VOMITING.

**INHALATION :** REMOVE TO FRESH AIR. RESTORE BREATHING. TREAT SYMPTOMATICALLY.

**MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED**

**SYMPTOMS :** NOT APPLICABLE

**EFFECTS :** NOT APPLICABLE

### 5. FIRE FIGHTING MEASURES

**SUITABLE EXTINGUISHING MEDIA :** CARBON DIOXIDE, DRY CHEMICAL(SMALL FIRES) ALCOHOL-TYPE FOAM (LARGE FIRES) CLASS B FIRE EXTINGUISHER. WATER IS AN UNSUITABLE EXTINGUISHER ON BURNING LIQUIDS.

**FIRE FIGHTING PROCEDURES :** WATER SPRAY MAY BE USED FOR COOLING CONTAINERS. FULL PROTECTIVE EQUIPMENT, INCLUDING SELF-CONTAINED BREATHING APPARATUS IS RECOMMENDED AND NEEDED TO PROTECT FIREFIGHTERS FROM ANY HAZARDOUS COMBUSTION PRODUCTS.

**UNUSUAL FIRE AND EXPLOSION HAZARD :** CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT. OVEREXPOSURE TO DECOMPOSITION PRODUCTS MAY CAUSE A HEALTH HAZARD. SYMPTOMS MAY NOT BE IMMEDIATELY APPARENT. OBTAIN MEDICAL ATTENTION.

**COMBUSTION PRODUCTS :** NOT APPLICABLE

### 6. ACCIDENTAL RELEASE MEASURES

#### ENVIRONMENTAL PRECAUTIONS

**WATER SPILL** : NOT APPLICABLE

**LAND SPILL** : REMOVE ALL SOURCES OF IGNITION, PROVIDE ADEQUATE VENTILATION. CONTAIN AND REMOVE WITH ABSORBENT MATERIAL AND NON-SPARKING TOOLS.

**PERSONAL PRECAUTIONS** : REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH VARYING LEVELS OF NERVOUS SYSTEM DAMAGE AND POSSIBLE BRAIN DAMAGE.

**PROTECTIVE EQUIPMENT** : NOT APPLICABLE

**EMERGENCY PRECAUTIONS** : NOT APPLICABLE

**METHOD OF CLEANING UP** : NOT APPLICABLE

## **7. HANDLING AND STORAGE**

**PRECAUTIONS FOR SAFE HANDLING** : DO NOT STORE ABOVE 120 DEGREES F. STORE LARGE QUANTITIES IN BUILDINGS DESIGNED AND PROTECTED FOR STORAGE OF NFPA CLASS B FLAMMABLE OR COMBUSTIBLE LIQUIDS.

**CONDITIONS FOR SAFE STORAGE, INCLUDING INCOMPATIBILITIES** : NOT APPLICABLE

## **8. EXPOSURE CONTROLS\PERSONAL PROTECTION**

**EXPOSURE LIMITS** : NOT APPLICABLE

**ENGINEERING CONTROLS** : ADEQUATE VENTILATION TO MAINTAIN VAPOR LEVELS OF INGREDIENTS LISTED IN SECTION II BELOW INDICATED TLV'S IN ACCORDANCE WITH OSHA REGULATION 29 CFR PART 1910 -. REMOVE DECOMPOSITION PRODUCTS FORMED DURING WELDING OR FLAME CUTTING OF SURFACES COATED WITH THIS PRODUCT.

### **PERSONAL PROTECTIVE EQUIPMENT**

**EYES AND FACE** : GOGGLES OR FULL FACE MASK IF NEEDED.

**SKIN** : SOLVENT-RESISTANT NEOPRENE OR BUNA A RUBBER WHEN NEEDED.

**RESPIRATORY** : APPROVED MECHANICAL FILTER RESPIRATOR TO REMOVE SOLID AIRBORNE PARTICLES OF OVERSPRAY DURING SPRAY APPLICATION IN OPEN AREAS WITH UNRESTRICTED VENTILATION. APPROVED CHEMICAL/MECHANICAL FILTERS DESIGNED TO REMOVE A COMBINATION OF PARTICULATES AND VAPOR IN RESTRICTED VENTILATION AREAS. APPROVED AIR LINE TYPE RESPIRATORS OR HOODS IN CONFINED AREAS.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

**PHYSICAL STATE** : NOT APPLICABLE

**COLOR** : NOT APPLICABLE

**ODOUR :** AROMATIC ODOR

**ODOUR THRESHOLD :** NOT APPLICABLE

**pH :** NOT APPLICABLE

**FREEZING POINT :**

**BOILING POINT :** 200.0

**FLASH POINT AND METHOD :** 108.00 F T

**EVAPORATION RATE :** SLOWER THAN ETHER

**FLAMMABILITY(Solid/Gas) :** NOT APPLICABLE

**FLAMMABLE LIMITS :** .5 TO 6.0

**VAPOUR PRESSURE :** NOT APPLICABLE

**VAPOUR DENSITY :** HEAVIER THAN AIR

**SPECIFIC GRAVITY :** 0.9709535

**% SOLUBILITY IN WATER :**

**OCTANOL/WATER PARTITION COEFFICIENT :** NOT APPLICABLE

**AUTO-IGNITION TEMPERATURE :** NOT APPLICABLE

**DECOMPOSITION TEMPERATURE :** NOT APPLICABLE

**VISCOSITY :** NOT APPLICABLE

## **10. STABILITY AND REACTIVITY**

**CONDITIONS TO AVOID :** NOT APPLICABLE

**STABILITY :** STABLE

**HAZARDOUS DECOMPOSITION PRODUCTS:** NOT APPLICABLE

**INCOMPATIBLE MATERIALS :** NOT APPLICABLE

**POSSIBILITY OF HAZARDOUS REACTIONS :** NOT APPLICABLE

## **11. TOXICOLOGICAL INFORMATION**

**ACUTE EFFECTS :**

**EYE :** CAN CAUSE IRRITATION, REDNESS, TEARING, BLURRED VISION.

**SKIN** : NOT APPLICABLE

**INHALATION** : EXCESSIVE INHALATION OF VAPORS CAN CAUSE NASAL AND RESPIRATORY IRRITATION, DIZZINESS, WEAKNESS, FATIGUE, NAUSEA, AND ASPHYXIATION.

**INGESTION** : CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING AND DIARRHEA. IF SWALLOWED, CAN BE ABSORBED IN TOXIC AMOUNTS.

**TARGET ORGAN** : NOT APPLICABLE

**CHRONIC EFFECTS** : NOT APPLICABLE

**ACUTE TOXICITY VALUES** : NOT APPLICABLE

#### **SYMPTOMS OF RELATED**

**PHYSICAL** : NOT APPLICABLE

**CHEMICAL** : NOT APPLICABLE

**TOXICOLOGICAL CHARACTERISTICS** : NOT APPLICABLE

**DELAYED AND IMMEDIATE EFFECTS** : NOT APPLICABLE

### **12. ECOLOGICAL INFORMATION**

**ECOTOXICOLOGICAL INFORMATION**: NOT APPLICABLE

**PERSISTENCE AND DEGRADABILITY** : NOT APPLICABLE

**BIO-ACCUMULATIVE POTENTIAL** : NOT APPLICABLE

**MOBILITY** : NOT APPLICABLE

**OTHER ADVERSE EFFECTS** : NOT APPLICABLE

### **13. DISPOSAL CONSIDERATIONS**

#### **WASTE TREATMENT METHODS**

**PRODUCT/PACKAGING DISPOSAL** : SANITARY LANDFILL OR INCINERATION ACCORDING TO LOCAL, STATE AND FEDERAL REGULATIONS. DO NOT INCINERATE CLOSED CONTAINERS.

**WASTE TREATMENT OPTIONS** : NOT APPLICABLE

**WASTE CODE/WASTE DESIGNATIONS ACCORDING TO EWC/AVV** : NOT APPLICABLE

#### 14. TRANSPORT INFORMATION

**UN NUMBER :** UN1263

**UN PROPER SHIPPING NAME :** PAINT

**TRANSPORT HAZARD CLASS :** FLAMMABLE LIQUID, 3

**PACKING GROUP :** PGII

**MARINE POLLUTANT :** NOT APPLICABLE

**SPECIAL PRECAUTIONS :** NOT APPLICABLE

#### 15. REGULATORY INFORMATION

##### UNITED STATES

##### SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

**311/312 HAZARD CATEGORIES:** NOT APPLICABLE

**FIRE :** NOT APPLICABLE

**PRESSURE GENERATING :** NOT APPLICABLE

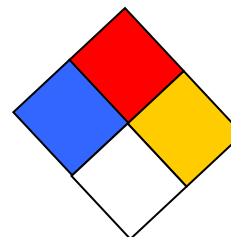
**REACTIVITY :** NOT APPLICABLE    **ACUTE :** NOT APPLICABLE    **CHRONIC :** NOT APPLICABLE

**313 REPORTABLE INGREDIENTS:** NOT APPLICABLE

## 16. OTHER INFORMATION

HMIS RATING	
Health :	1
Flammability :	3
Reactivity :	1
Personal Protection :	HMISP

### NFPA CODES



**MANUFACTURER DISCLAIMER :** 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 MAY BE HARMFUL OR FATAL. INTENTIONAL MISUSE BE DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

WE RECOMMEND THAT CONTAINERS BE EITHER PROFESSIONALLY RECONDITIONED FOR REUSE BY CERTIFIED FIRMS OR PROPERLY DISPOSED OF BY CERTIFIED FIRMS TO HELP REDUCE THE POSSIBILITY OF AN ACCIDENT. DISPOSAL OF CONTAINERS SHOULD BE IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS. "EMPTY" DRUMS SHOULD NOT BE GIVEN TO INDIVIDUALS. SERIOUS ACCIDENTS HAVE RESULTED FROM THE MISUSE OF "EMPTIED" CONTAINERS(DRUMS,PAILS,ETC.)

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