

# Material Safety Data Sheet

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Material Identification

**Product ID:** AE – ACRYLIC ENAMEL  
Product Name: ACRYLIC ENAMEL  
Product Use: Paint product.  
Date Published: 12/20/2006

### Company Identification

TCP Global  
6695 RASHA STREET  
SAN DIEGO, CA 92121  
Manufacturer's Phone: 1-858-909-2110

### 24-Hour Medical Emergency

**US Phone (CHEMTREC):** 1-800-424-9300  
**International Phone (CHEMTREC):** 1-703-527-3887

## 2. COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS

Common Name CAS #	Approx Wt%	Chemical name
XYLENE 1330-20-7	10 - 15	Xylenes (o-, m-, p- isomers)
AROMATIC NAPHTHA, HEAVY 64742-94-5	5 - 10	Naphtha (petroleum), heavy aromatic
METHYL PROPYLKETONE 107-87-9	5 - 10	Methylpropyl ketone
METHYL N-AMYL KETONE 110-43-0	1 - 5	Methyl n-amyl ketone
ETHYLBENZENE 100-41-4	1 - 5	Ethyl benzene
NAPHTHALENE 91-20-3	1 - 5	Naphthalene

If this section is blank there are no hazardous components per OSHA guidelines.

## 3. HAZARDS IDENTIFICATION

### Primary Routes of Exposure:

Inhalation  
Ingestion  
Skin absorption

### Emergency Overview:

This section not in use.

**This product contains ingredients that may contribute to the following potential acute health effects:**

**Inhalation Effects:**

Harmful if inhaled. May affect the brain, nervous system, or respiratory system, causing dizziness, headache, nausea or respiratory irritation.

**Eye Contact:**

May cause eye burns.

**Skin Contact:**

May cause moderate skin irritation.

**Acute Ingestion:**

May be harmful if swallowed.

**Other Effects:**

May cause liver damage. May cause kidney damage.

**This product contains ingredients that may contribute to the following potential chronic health effects:**

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.

See Section 11 for toxicological information about Mutagens, Teratogens and Carcinogens.

If this section is blank, no information is available.

## **4. FIRST AID MEASURES**

**Inhalation:**

If affected by inhalation, move victim to fresh air. If symptoms persist, seek medical attention.

**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.

**Skin Contact:**

In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. If irritation persists get medical attention.

**Ingestion:**

If swallowed, do not induce vomiting. Give large quantities of water. If available, give several glasses of milk. Never give anything by mouth to an unconscious person. Get medical attention immediately. If swallowed, get medical attention immediately.

**Medical conditions aggravated by exposure:** Any respiratory or skin condition.

## **5. FIRE FIGHTING MEASURES**

Flash point (Fahrenheit):	45° F ( 7° C) TCC/PM
Lower explosive limit:	1 %
Upper explosive limit:	9 %
Autoignition temperature:	Not available.° F ( ° C)

Sensitivity to impact: No.  
Sensitivity to static discharge: Subject to static discharge hazards. Please see bonding and grounding information in Section 7.  
Hazardous combustion products: See Section 10.

**Unusual fire and explosion hazards:**

Contaminated rags, wipes, saw dust, etc., may catch fire spontaneously. Store waste under water in closed metal containers until disposed of in compliance with applicable regulations. Contains oxidizable materials.

**Extinguishing media:**

Carbon dioxide, dry chemical, foam and/or water fog.

**Fire fighting procedures:**

Use water spray to cool nearby containers and structures exposed to fire.

## **6. ACCIDENTAL RELEASE MEASURES**

**Action to be taken if material is released or spilled:**

Ventilate area. Avoid breathing of vapors. Use self-containing breathing apparatus or airmask for large spills in a confined area. Wipe, scrape or soak up in an inert material and put in a container for disposal. See section 5, "Unusual Fire and Explosion Hazards", for proper container and storage procedures. Remove sources of ignition. Remove with inert absorbent and non sparking tools. Avoid contact with eyes.

## **7. HANDLING AND STORAGE**

**Precautions to be taken in handling and storage:**

Keep away from heat, sparks, and flames. Keep container closed when not in use. Do not store above 120 degrees F. (49 degrees C). Based on flash point and vapor pressure, suitable storage should be provided in accordance with OSHA regulation 1910.106, Ontario OH&S regulation 851 section 22. Empty containers may contain product residue, including flammable or explosive vapors. Do not cut, puncture or weld on or near container. All label warnings must be observed until the container has been commercially cleaned or reconditioned. If the product is used near or above the flashpoint, an ignition hazard may be present. Activities, uses, or operations which liberate vapor (such as mixing or free fall of liquids) may also present an ignition hazard. Please ensure containers and other interconnected equipment are properly bonded and grounded at all times.

## **8. PERSONAL PROTECTIVE EQUIPMENT AND EXPOSURE CONTROLS**

### **Personal Protective Equipment**

**Eye and face protection:**

Avoid contact with eyes. Wear chemical goggles if there is the possibility of contact or splashing in the eye.

**Skin protection:**

Appropriate chemical resistant gloves should be worn. To prevent skin contact wear protective clothing covering all exposed areas.

**Respiratory protection:**

If exposure cannot be controlled below applicable limits, use the appropriate NIOSH approved respirator such as an air purifying respirator with organic vapor cartridge and dust/mist filter. Consult the respirator manufacturer's literature to ensure that the respirator will provide adequate protection. Read and follow all respirator manufacturer's instructions.

## Ventilation

Required when spraying or applying in confined area. Ventilation equipment should be explosion proof. Eliminate ignition sources.

## Exposure Guidelines

### OSHA Permissible Exposure Limits (PEL's)

Common Name CAS #	Approx Wt%	TWA (final)	Ceilings limits (final)	Skin designations
XYLENE 1330-20-7	10 - 15	100 ppm TWA; 435 mg/m3 TWA		
AROMATIC NAPHTHA, HEAVY 64742-94-5	5 - 10	100 PPM		
METHYL PROPYLKETONE 107-87-9	5 - 10	200 ppm TWA; 700 mg/m3 TWA		
METHYL N-AMYL KETONE 110-43-0	1 - 5	100 ppm TWA; 465 mg/m3 TWA		
ETHYLBENZENE 100-41-4	1 - 5	100 ppm TWA; 435 mg/m3 TWA		
NAPHTHALENE 91-20-3	1 - 5	10 ppm TWA; 50 mg/m3 TWA		

### ACGIH Threshold Limit Value (TLV's)

Common Name CAS #	Approx Wt%	TWA	STEL	Ceiling limits	Skin designations
XYLENE 1330-20-7	10 - 15	100 ppm TWA	150 ppm STEL		
METHYL PROPYLKETONE 107-87-9	5 - 10	200 ppm TWA	250 ppm STEL		
METHYL N-AMYL KETONE 110-43-0	1 - 5	50 ppm TWA			
ETHYLBENZENE 100-41-4	1 - 5	100 ppm TWA	125 ppm STEL		
NAPHTHALENE 91-20-3	1 - 5	10 ppm TWA	15 ppm STEL		skin - potential for cutaneous absorption

If this section is blank, no information is available.

## 9. PHYSICAL PROPERTIES

Odor:	Normal for this product type.
Physical State:	Liquid
pH:	Not determined.
Vapor pressure:	28 mmHG @ 68° F ( 20° C)
Vapor density (air = 1.0):	4.7
Boiling point:	213° F ( 101° C)
Solubility in water:	Insoluble.
Coefficient of water/oil distribution:	Not determined.
Density (lbs per US gallon):	8.32
Specific gravity (water = 1):	Not determined.
Evaporation rate (butyl acetate = 1.0):	2.3

## 10. STABILITY AND REACTIVITY

Stability:	This product is stable.
Conditions to Avoid:	None known.
Incompatibility:	Strong oxidizers.
Hazardous Polymerization:	None anticipated.
Hazardous Decomposition Products:	Carbon monoxide and carbon dioxide.
<b>Sensitivity to static discharge:</b>	Subject to static discharge hazards. Please see bonding and grounding information in Section 7.

## 11. TOXICOLOGICAL INFORMATION

Contains ethylbenzene, which has been determined by NTP to be an animal carcinogen with no known relevance to humans. IARC has classified ethylbenzene as possibly carcinogenic to humans (2b) on the basis of sufficient evidence of carcinogenicity in laboratory animals but inadequate evidence of cancer in humans. Possible cancer hazard. Contains ingredients which may cause cancer based on animal data. Risk to your health depends upon the level and duration of exposure.

Common Name CAS #	Approx Wt%	IARC Group 1 - Human Evidence	IARC Group 2A - limited human data	IARC Group 2b - sufficient animal data
ETHYLBENZENE 100-41-4	1 - 5			Monograph 77, 2000
NAPHTHALENE 91-20-3	1 - 5			POSSIBLY CARCINOGENIC IN HUMANS BASED ON ANIMAL STUDIES

Common Name CAS #	Approx Wt%	NTP Known carcinogens	NTP Suspect carcinogens	NTP Evidence of carcinogenicity
ETHYLBENZENE 100-41-4	1 - 5			male rat-clear evidence; female rat-some evidence; male mice- some evidence; female mice-some evidence

Common Name CAS #	Approx Wt%	OSHA Select carcinogens	OSHA Possible select carcinogens	ACGIH Carcinogens
ETHYLBENZENE 100-41-4	1 - 5		Monograph 77, 2000 IARC - Group 2B (Possibly carcinogenic to humans)	

If this section is blank, no information is available.

## 12. ECOLOGICAL DATA

Not available at this time.

## 13. DISPOSAL CONSIDERATIONS

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

## 14. TRANSPORTATION INFORMATION

### U.S. Department of Transportation

Proper Shipping Name: PAINT  
Hazard Class: 3  
UN ID Number: UN1263  
Packing Group: II

### 49 CFR Hazardous Material Regulations Parts 100-180

The supplier will apply the combustible liquid exception in 49 CFR 173.150(f), limited quantity or "does not sustain combustion" exceptions and consumer commodity rules, when authorized. Please check 49 CFR Parts 100-180 to determine if the use of these exceptions applies to your shipments when re-shipping our products.

### International Air Transport Association:

Proper Shipping Name: PAINT  
Hazard Class: 3  
UN ID Number: UN1263  
Packing Group: II

### International Maritime Organization:

Proper Shipping Name: PAINT  
Hazard Class: 3  
UN ID Number: UN1263  
Packing Group: II

## 15. REGULATORY INFORMATION

### U.S. FEDERAL REGULATIONS:

Common Name CAS #	Approx Wt%	SARA 302	SARA 313	CERCLA RQ IN LBS.
XYLENE 1330-20-7	10 - 15		form R reporting required for 1.0% de minimis concentration	100
ETHYLBENZENE 100-41-4	1 - 5		form R reporting required for 1.0% de minimis concentration	1000
NAPHTHALENE 91-20-3	1 - 5		form R reporting required for 1.0% de minimis concentration	100

### SARA 311/312 Hazard Class:

Acute: Yes  
Chronic: Yes  
Flammability: Yes  
Reactivity: No  
Sudden Pressure: No

### U.S. STATE REGULATIONS:

#### Pennsylvania Right To Know:

NAPHTHALENE	91-20-3
AROMATIC NAPHTHA, HEAVY	64742-94-5
ETHYLBENZENE	100-41-4
METHYL PROPYLKETONE 1	07-87-9
METHYL N-AMYL KETONE	110-43-0

**Additional Non-Hazardous Materials**

PROPRIETARY RESIN  
 PROPRIETARY RESIN

Trade Secret  
 Trade Secret

**California Proposition 65:**

WARNING: This product contains chemicals known to the State of California to cause cancer.

**Rule 66 status of product** Photochemically reactive.

**INTERNATIONAL REGULATIONS - Chemical Inventories**

**TSCA Inventory:** All components of this product are in compliance with U.S. TSCA Chemical Substance Inventory Requirements.

**Canada Domestic Substances List:** Not all components in this product are listed on the Domestic Substances List.

**16. OTHER INFORMATION****HMIS Codes**

**Health:** 2  
**Flammability:** 3  
**Reactivity:** 1  
**PPE:** X - See Section 8 for Personal Protective Equipment (PPE).

**Abbreviations:**

OSHA - Occupational Safety and Health Administration, IARC - International Agency for Research on Cancer, NIOSH - National Institute of Occupational Safety and Health, NTP - National Toxicology Program, ACGIH - American Conference of Governmental Industrial Hygienists, SCAQMD - South Coast Air Quality Management District, TSCA - Toxic Substances Control Act, IATA - International Air Transport Association, IMO - International Maritime Organization, DOT - Department of Transportation, NA - Not applicable, NOT ESTAB - Not established, N.A.V. - Not available, RQ - Reportable quantity, WT - Weight, MG/CU M - Milligrams per cubic meter, G/L - Grams per liter, MM - Millimeters, MPPCF - Millions of particles per cubic foot, PPM - parts per million, PPT - parts per thousand, TCC/PM - Tag closed cup / Pensky-Martens, PB - Lead, PEL - Permissible exposure level, TWA - Time Weighted Average, STEL - Short term exposure limit, C - Celsius, F - Fahrenheit.

**Disclaimer:**

The data on this sheet represent typical values. Since application variables are a major factor in product performance, this information should serve only as a general guide. TCP Global assumes no obligation or liability for use of this information.

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