



ARIHANT CHEMICAL CORPORATION & J.J ENTERPRISE

For paints / inks / plastic / Rubber industries Raw material available with us under self import / Manufacturing / Trading.

MATERIAL SAFETY DATA SHEET :- ETHYL ACETATE

1. Composition Ingredients

Ingredient	CAS No	Percent	Hazardous
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Ethyl Acetate	141-78-6	99 - 100%	Yes

2. Hazards Identification

EMERGENCY OVERVIEW

Highly flammable.

Irritating to eyes.

Repeated exposure may cause skin dryness or cracking.

Vapors may cause drowsiness and dizziness.

Moisture sensitive.

Potential Health Effects

Eye:

Causes eye irritation. Vapors may cause eye irritation.

Skin:

Causes skin irritation. May be harmful if absorbed through the skin.

Ingestion:

Aspiration hazard. May cause irritation of the digestive tract. May be harmful if swallowed.

Inhalation:

Causes respiratory tract irritation. Inhalation of high concentrations may cause narcotic effects. May be harmful if inhaled.

Chronic:

Prolonged or repeated skin contact may cause defatting and dermatitis. May cause liver and kidney damage. Prolonged exposure may produce a narcotic effect.

3. First Aid Measures

Eyes:

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin:

Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.

Ingestion:

Possible aspiration hazard. Get medical aid. Wash mouth out with water. Vomiting may occur spontaneously. If vomiting occurs and the victim is conscious, give water to further dilute the chemical.

Inhalation:

Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

4. Fire Fighting Measures

General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Vapors may form an explosive mixture with air. Vapors can travel to a source of ignition and flash back. Will burn if involved in a fire. Containers may explode in the heat of a fire. Flammable Liquid.

Extinguishing Media:

Use water spray to cool fire-exposed containers. Use foam, dry chemical, or carbon dioxide. Water may be ineffective.

5. Accidental Release Measures

General Information:

Use proper personal protective equipment as described in Exposure control, Personal protection section.

Spills/Leaks:

Avoid runoff into storm sewers and ditches which lead to waterways. Wear a self contained breathing apparatus and appropriate Personal protection. (See Exposure Controls, Personal Protection section).

Remove all sources of ignition. Absorb spill using an absorbent, non-combustible material such as earth, sand, or vermiculite. Do not use combustible materials such as saw dust. Use a spark-proof tool.

6. Handling and Storage

Handling :

Use spark-proof tools and explosion proof equipment. Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes. Take precautionary measures against static discharges.

Storage:

Keep away from sources of ignition. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Flammables-area.

7. Exposure Controls, Personal Protection

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Personal Protective Equipment

Eyes:

Wear chemical goggles.

Skin:

Wear appropriate protective gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to prevent skin exposure.

Respirators:

Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respiratory when necessary.

8. Physical and Chemical Properties

Physical State:	Clear liquid
Colour:	APHA: 10 max
Odor:	sweet, fruity odor
pH:	No information found.
Vapor Pressure:	103 mbar @ 200C
Viscosity:	0.45 cP 200C
Boiling Point:	75 – 77.50C @ 760.00mm Hg
Freezing/Melting Point:	-83.50C
Autoignition Temperature:	427 ^U C
Explosion Limits:	Lower: 2.00 vol% Upper: 12.00 vol%
Flash Point:	-4 ^U C
Decomposition Temperature:	No information found.
Solubility in water:	80 g/l water (20 ^U C)
Specific Gravity/Density:	.9020g/cm ³
Molecular Formula:	C ₄ H ₈ O ₂
Molecular Weight:	88.11

9. Stability and Reactivity

Chemical Stability :

Forms explosive mixtures with air.

Conditions to Avoid :

Incompatible materials, light, ignition sources, exposure to air, excess heat, exposure to moist air or water.

Incompatibilities with Other Materials

Strong oxidizing agents, strong acids, strong bases, alkali metals, fluorine, nitrates, plastics, chlorosulfonic acid, oleum, potassium-tert-butoxide.

Hazardous Decomposition Products

Carbon monoxide, carbon dioxide, ethyl alcohol, acetic acid.

Hazardous Polymerization

Will not occur.

10. Toxicological Information

RTECS:

CAS# 141-78-6: AH5425000.

LD50/LC50:

CAS# 141-78-6:

Inhalation, mouse: LC50 = 45 gm/m³/2H

Inhalation, rat: LC50 = 200 gm/m³

Oral, mouse: LD50 = 4100 mg/kg

Oral rabbit: LD50 = 4935 gm/kg

Oral rat: LD50 = 5620 mg/kg

Skin, rabbit: LD50 = >20 ml / kg

Carcinogenicity:

CAS# 141-78-6: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

Other:

See actual entry in RTECS for complete information.

11. Ecological Information

Ecotoxicity:

Daphnia: 2500 mg/l; 96H; LC50

Fish: Gold orfe: 270 mg/l; 48H; LC50

Other:

Biodegradable.

This chemical is not likely to bio concentrate.

Avoid entering into waters or underground water.

Log POW: 0.66

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13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport Information

	IATA	IMO	RID/ADR
Proper Shipping Name:	ETHYL ACETATE	ETHYL ACETATE	ETHYL ACETATE
Hazard Class:	3	3	3(3B)
UN Number:	UN1173	UN1173	UN1173
Packing Group:	II	II	

15. Regulatory Information

International Regulations

European Labelling in Accordance with EC Directives:

Risk Phrases:

R 11 Highly flammable.

R 36 Irritating to eyes.

R 66 Repeated exposure may cause skin dryness or cracking.

R 67 vapors may cause drowsiness and dizziness.

Safety Phrases:

S 16 Keep away from sources of ignition – No smoking.

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 33 Take precautionary measures against static discharges.

WGK (Water Danger/Protection)

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United Kingdom Occupational Exposure Limits

CAS#141-78-6: OES-United Kingdom, TWA 400 ppm TWA; 1460 mg/m³

TWA No information found.

Exposure Limits

CAS# 141-78-6: OEL- AUSTRALIA:TWA 400 ppm (1400 mg/m³)
OEL-BELGIUM: TWA 400 ppm (1440 mg/m³)
OEL-DENMARK: TWA 300 ppm (1100 mg/m³)
OEL-FRANCE: TWA 400 ppm (1400 mg/m³)
OEL-GERMANY: TWA 400 ppm (1400 mg/m³)
OEL-RUSSIA: TWA 400 ppm;STEL 200 mg/m³
OEL-SWITZERLAND: TWA 400 ppm (1400 mg/m³);STEL 800 ppm
OEL IN BULGARIA, COLOMBIA, JORDAN, KOREA check ACGIH TLV
OEL IN NEW ZEALAND, SINGAPORE, VIETNAM check ACGI TL

16. Other Information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.

**Regd off: - Plot no 24 Block no .5, 1st floor, behind Aurora Cinema,
Opp Sahakari bhandar, Matunga (C.R) Mumbai – 400019**

**Administration / Correspondence Office: - Plot No. 319, Room No.3, Ranchoddas
Terrace building, sir Bhalchandra Road, opp Hira House, Near Chhatre Maternity
Hospital, Matunga (C.R) Mumbai – 400019
Tel: - +91 22 24148378 / 24146390**

**Mob: - MR NILESH MEHTA +91 9820142066 / +91 8850378208/+91 9029042066
Email Id: - info@arihantchemcorp.com, or nilesh@arihantchemcorp.com**