MATERIAL SAFETY DATA SHEET

Methyl Acetate

Section 1 - Chemical Product and Company Identification

MSDS Name:	**Methyl acetate**
Synonyms:	Acetic acid methyl ester

Company Identification: (INDIA)	Veritas House, 70 Mint Road, Fort, Mumbai - 400 001. INDIA
For information in the INDIA, call:	Tel: +91 - 22 - 2275 5555 / 6184 0000, Fax: +91 - 22 - 2275 5556 / 6184 0001

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name:	%	EINECS#
79-20-9	Methyl acetate	99%	201-185-2

Hazard Symbols:	XI F
	
Risk Phrases:	11 36 66 67

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Highly flammable. Irritating to eyes. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

Potential Health Effects

Eye:	Causes eye irritation. Causes redness and pain.
Skin:	Causes skin irritation. Causes redness and pain. May be harmful if absorbed through the skin.
Ingestion:	May cause nausea and vomiting. May be harmful if swallowed. May cause central nervous system depression.
Inhalation:	Causes respiratory tract irritation. Exposure produces central nervous system depression. May be harmful if inhaled.
Chronic:	

Section 4 - 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:	Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Ingestion:	Get medical aid. Wash mouth out with water.
Inhalation:	Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
Notes to Physician:	

Section 5 - 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. Containers may explode in the heat of a fire. Flammable liquid and vapor.
Extinguishing Media:	Use water spray to cool fire-exposed containers. Use foam, dry chemical, or carbon dioxide. Water may be ineffective.

Section 6 - Accidental Release Measures

General Information:	Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks:	Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Remove all sources of ignition. Use a spark-proof tool.

Section 7 - Handling and Storage

Handling:	Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.
Storage:	Keep away from sources of ignition. Store in a cool, dry place. Store in a tightly closed container. Flammables-area.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:	
	Use adequate ventilation to keep airborne concentrations low.
Exposure Limits	
	CAS# 79-20-9:
	United Kingdom, WEL - TWA: 200 ppm TWA; 616 mg/m3 TWA United Kingdom, WEL - STEL: 250 ppm STEL; 770 mg/m3 STEL
	United States OSHA: 200 ppm TWA; 610 mg/m3 TWA
	Belgium - TWA: 200 ppm VLE; 615 mg/m3 VLE Belgium - STEL: 250 ppm VLE; 768 mg/m3 VLE
	France - VME: 200 ppm VME; 610 mg/m3 VME France - VLE: 250 ppm VLE; 760 mg/m3 VLE
	Germany: 200 ppm TWA; 610 mg/m3 TWA
	Japan: 200 ppm OEL; 610 mg/m3 OEL
	Malaysia: 200 ppm TWA; 606 mg/m3 TWA
	Netherlands: 200 ppm MAC; 610 mg/m3 MAC
	Spain: 200 ppm VLA-ED; 616 mg/m3 VLA-ED Spain: 250 ppm VLA-EC; 770 mg/m3 VLA-EC

Personal Protective Equipment	
Eyes:	Wear chemical splash 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 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State:	Liquid
Color:	colorless
Odor:	Not available
pH:	Not available
Vapor Pressure:	220mbar @20 deg C
Viscosity:	0.38 mPa s @20 deg C
Boiling Point:	56 deg C @760mmHg (135.32°F)
Freezing/Melting Point:	-98 deg C (-144.40°F)
Autoignition Temperature:	455 deg C (851.00 deg F)
Flash Point:	(-) 10 deg C (14.00 deg F)
Explosion Limits: Lower:	3 Vol %
Explosion Limits: Upper:	16 Vol %
Decomposition Temperature:	Not available
Solubility in water:	250 g/l (20°C)
Specific Gravity/Density:	0.933 g/cc
Molecular Formula:	C3H6O2
Molecular Weight:	74.08

Section 10 - Stability and Reactivity

Chemical Stability:	Stable under normal temperatures and pressures.
Conditions to Avoid:	High temperatures, incompatible materials, ignition sources, moisture.
Incompatibilities with Other Materials	Moisture, acids, bases.
Hazardous Decomposition Products	Carbon monoxide, carbon dioxide.
Hazardous Polymerization	Has not been reported.

Section 11 - Toxicological Information

RTECS#:	CAS# 79-20-9: AI9100000
LD50/LC50:	RTECS: **CAS# 79-20-9:** Dermal, guinea pig: LD50 = >20 mL/kg; Draize test, rabbit, eye: 100 mg/24H Moderate; Draize test, rabbit, skin: 500 mg/24H Mild; Draize test, rabbit, skin: 20 mg/24H Moderate; Oral, rabbit: LD50 = 3705 mg/kg; Oral, rat: LD50 = >5 gm/kg; Skin, rabbit: LD50 = >5 gm/kg;
Carcinogenicity:	Methyl acetate - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
Other:	See actual entry in RTECS for complete information.

Section 12 - Ecological Information

Ecotoxicity:	Fish: Zebrafish: LC50: 250-350 mg/l; 96H Daphnia: Daphnia: EC50: 1027 mg/l; 48H Algae: IC50: >120 mg/l; 72H; Bacteria: Phytobacterium phosphoreum: EC50: 6100 mg/l; 30min; Microtox test
Other:	Biodegradable. Do not empty into drains. log POW: 0,18

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

	IATA	IMO	RID/ADR
Shipping Name:	METHYL ACETATE	METHYL ACETATE	METHYL ACETATE
Hazard Class:	3	3	3
UN Number:	1231	1231	1231
Packing Group:	II	II	II

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XI F

Risk Phrases:

- R 11 Highly flammable.
- R 36 Irritating to eyes.
- R 66 Repeated exposure may cause skin dryness or cracking.
- R 67 Vapours 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 29 Do not empty into drains.
- S 33 Take precautionary measures against static discharges.

WGK (Water Danger/Protection)

- CAS# 79-20-9: 1

Canada

- CAS# 79-20-9 is listed on Canada's DSL List

US Federal

- TSCA
- CAS# 79-20-9 is listed on the TSCA Inventory.

Section 16 - Other Information

MSDS Creation Date:	July 22, 2015
Revision #0 Date	

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