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Product Name: Ethyl Methyl Ketone CAS No.: 78-93-3 Version: 0

1. Identification

Product Code : 90022, 90163, 90407

Company Name : Advent Chembio Private Limited

Address: W-288, MIDC, TTC INDUSTRIAL AREA, THANE-BELAPUR

ROAD, RABALE, NAVI MUMBAI - 400 701.

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Company Phone Number: 022-27690837

2. Hazards Identification

Hazard classification

Flammable liquids : Category 2
Eye irritation : Category 2
Specific target organ toxicity - : Category 3

single exposure Label elements Hazard symbol





Signal word : Danger

Hazard statement: Highly flammable liquid and vapour.

Causes serious eye irritation.

May cause drowsiness or dizziness.

Precautionary statement: Keep away from heat, hot surfaces, sparks, open flames and

otherignition sources. No smoking.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue

rinsing.

In case of fire: Use dry powder or dry sand to extinguish. Store in a well-ventilated place. Keep cool. Call a POISON

CENTER or doctor/ physician.

Supplemental Hazard

Statements

: Repeated exposure may cause skin dryness or cracking.



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3. Composition/information on ingredients

Ingredient CAS No Ethyl Methyl Ketone 78-93-3

4. First Aid Measures

Description of first aid measures

General advice Consult a physician. Show this safety data sheet to the doctor

in attendance.

Inhalation: If breathed in, move person into fresh air. If not breathing, give

artificial respiration. Consult a physician.

Skin contact: Wash off with soap and plenty of water. Take victim

immediately to hospital. Consult a physician.

Eye contact : Rinse thoroughly with plenty of water for at least 15 minutes

and consult a physician.

Swallowed: Do NOT induce vomiting. Never give anything by mouth to an

unconscious person. Rinse mouth with water. Consult a

physician.

Most important symptoms and effects, both acute and delayed

Indication of any immediate medical attention and special treatment needed Treatment

: The most important known symptoms and effects are

described in the labelling (see section 2) and/or in section 11 No data available

. No data available

5. Fire fighting measures

Extinguishing media

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or

carbon dioxide.

Special hazards arising from the:

substance or mixture

: Carbon oxides

Flash back possible over considerable distance, Container

explosion may occur under fire conditions.

Advice for firefighters : Wear self contained breathing apparatus for firefighting if

necessary

Further information: Use water spray to cool unopened containers.



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6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

: Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

Environmental precautions

: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up

: Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations

: For disposal see section 13.

Reference to other sections

7. Handling and Storage

Precautions for safe handling

: Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

Conditions for safe storage, including any incompatibilities

: Store under inert gas. Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Specific end use(s) : No data available

8. Exposure Controls Personal Protection

Control parameters

Components with workplace control parameters

Exposure controls

Appropriate engineering controls

Personal protective equipment

Eye/face protection

: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

: Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin Protection Hand protection

: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws





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and good laboratory practices. Wash and dry hands.

Body Protection : Complete suit protecting against chemicals, The type of protective

equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace..

Respiratory protection : Respiratory protection is required.

9. Physical and Chemical Properties

Appearance : Liquid

Odor : No data available pH : No data available

Melting point/freezing point : $-87 \, ^{\circ}\text{C}$ Initial boiling point and boiling : $80 \, ^{\circ}\text{C} - \text{lit.}$

range

Flash Point: -3 °C - closed cupVapor pressure: 95 h Pa at 20 °CVapor density: 2.49 - (Air = 1.0)Relative density: 0.805 g/mL at 25 °C

Solubility in water : soluble

Solubility (other) : No data available

Formula : C4H8O Molecular Weight : 72.11g/mol

10. Stability and Reactivity

Reactivity : No data available

Chemical stability : Stable under recommended storage conditions.

: No data available

Possibility of hazardous

reactions

Conditions to avoid : Heat, flames and sparks. Extremes of temperature and direct

sunlight.

Incompatible materials : Oxidizing agents, Strong reducing agents

Hazardous decomposition

products

: No data available

11. Toxicological Information

Information on toxicological effects

Acute toxicity : LD50 Oral - Rat - 2.737 mg/kg

LC50 Inhalation - Mouse - 4 h - 32.000 mg/m3 LC50 Inhalation - Mammal - 38.000 mg/m3 LD50 Dermal - Rabbit - 6.480 mg/kg

Skin corrosion/irritation : No irritation





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Serious eye damage/eye

irritation

: Moderate eye irritation

Respiratory or skin sensitization:

: No data available

Germ cell mutagenicity

: Laboratory experiments have shown mutagenic effects.

Carcinogenicity

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed

human carcinogen by IARC.

Reproductive toxicity

: Reproductive toxicity - Rat - Inhalation

Effects on Fertility: Post-implantation mortality (e.g., dead and/or resorbed implants per total number of implants).

Specific target organ toxicity -

single exposure

: May cause drowsiness or dizziness.

Specific target organ toxicity -

repeated exposure

: No data available.

Aspiration hazard

Signs and Symptoms of

Exposure

: No data available

: To the best of our knowledge, the chemical, physical, and

toxicological properties have not been thoroughly

investigated.

12. Ecological Information

Toxicity: Toxicity to fish mortality NOEC - Cyprinodon variegatus

(sheepshead minnow) - 400 mg/l - 96

h

LC50 - Pimephales promelas (fathead minnow) - 3.130 -

3.320 mg/l - 96 h

Toxicity to daphnia and other aquatic invertebrates LC50 - Daphnia magna (Water flea) - > 520 mg/l - 48 h EC50 - Daphnia magna (Water flea) - 7.060 mg/l - 24 h

Persistence and degradability

Bioaccumulative potential Mobility in soil

Other adverse effects

No data available.No data available.No data available.

No data available.

13. Disposal consideration

Disposal instructions : Burn in a chemical incinerator equipped with an afterburner

and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions

to a licensed disposal company.

Contaminated packaging : Dispose of as unused product.



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14. Transport Information

	UN No.	UN proper shipping name	Hazard	Packaging	Marine Pollutant
			Class(es)	group	
DOT	1193	ETHYL METHYL KETONE	3	II	NO
IMDG	1193	ETHYL METHYL KETONE	3	II	NO
IATA	1193	ETHYL METHYL KETONE	3	II	NO

15. Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture No Data Available.

16. Other Information

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Version : 0

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