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Product Name: Isoprene CAS No.: 78-79-5 Version: 0

1. Identification

Product Code : 90909

Company Name : Advent Chembio Private Limited

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2. Hazards Identification

Hazard classification

Flammable liquids : Category 1
Germ cell mutagenicity : Category 2
Carcinogenicity : Category 1B
Chronic aquatic toxicity : Category 3

Label elements Hazard symbol





Signal word : Danger

Hazard statement : Extremely flammable liquid and vapour.

Suspected of causing genetic defects.

May cause cancer.

Harmful to aquatic life with long lasting effects.

Precautionary statement : Obtain special instructions before use.

Keep away from heat/sparks/open flames/hot surfaces. - No

smoking.

Avoid release to the environment.

Use personal protective equipment as required.

IF exposed or concerned: Get medical advice/ attention.

Other hazards which do not result in GHS classification

: None

3. Composition/information on ingredients

Ingredient CAS No Percent



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MATERIAL SAFETY DATA SHEET

WATERIAL SALETT DATA STILLT

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Isoprene 78-79-5 NLT- 98.0%

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. Consult a physician.

Eye contact : Flush eyes with water as a precaution.

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

Inhalation of vapors may cause:, Dizziness, Irregular cardiac activity, narcosis, Nausea, Asphyxia, CNS depression with hypertension or circulatory failure, and respiratory depression,

To the best of our

knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Indication of any immediate medical attention and special treatment needed Treatment

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

Advice for firefighters : Wear self contained breathing apparatus for fire fighting if

necessary

Further information : No data available

6. Accidental Release Measures





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Personal precautions, protective equipment and emergency

procedures

Use personal protective equipment. Avoid breathing vapors,

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

Reference to other sections : For disposal see section 13.

7. Handling and Storage

Precautions for safe handling: Avoid exposure - obtain special instructions before use. 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 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.

Recommended storage temperature: 2 - 8 °C

Heat sensitive.

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

and good laboratory practices.

Wash and dry hands.





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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: Colorless liquidOdor: No data availablepH: No data available

Melting point/freezing point : -146 °C **Initial boiling point and boiling** : 34 °C

range

Flash Point : -54 °C

Vapor pressure : 133 hPa at -16 °C

793 hPa at 21 °C

Vapor density: No data availableRelative density: 0.681 g/cm3 at 25 °CSolubility in water: 0.38 g/l at 20 °CSolubility (other): No data available

Formula : C5H8 Molecular Weight : 68.12 g/mol

10. Stability and Reactivity

Reactivity : No data available

Chemical stability : Stable under recommended storage conditions.

Possibility of hazardous : No data available

reactions

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

sunlight.

Incompatible materials : Oxidizing agents, Strong bases, Ammonia, Alkali metals, Alcohols,

Oxygen

Hazardous decomposition

products

: No data available

11. Toxicological Information

Information on toxicological effects

Acute toxicity : LD50 Oral - rat - 2.043 - 2.210 mg/kg

LC50 Inhalation - rat - 4 h - 180 mg/l

Skin corrosion/irritation : Mild skin irritation





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Serious eye damage/eye

irritation

No data available

Respiratory or skin sensitization :

No data available

Germ cell mutagenicity

May alter genetic material

Carcinogenicity

IARC: 2B - Group 2B: Possibly carcinogenic to humans

(Isoprene)

Reproductive toxicity

Specific target organ toxicity -

No data available

single exposure

No data available

Specific target organ toxicity -

repeated exposure

No data available

Aspiration hazard

Potential health effects

No data available

May be harmful if inhaled. May cause respiratory tract

irritation.

Ingestion

Inhalation

May be harmful if swallowed.

Skin

May be harmful if absorbed through skin. May cause skin

irritation.

Eves

May cause eye irritation.

Signs and Symptoms of

Exposure

Inhalation of vapors may cause:, Dizziness, Irregular cardiac activity, narcosis, Nausea, Asphyxia, CNS depression with

hypertension or circulatory failure, and respiratory depression, To the best of our knowledge, the chemical, physical, and toxicological properties have not been

thoroughly investigated.

12. Ecological Information

Toxicity Toxicity to fish:

LC50 - Pimephales promelas (fathead minnow) - 75,0 mg/l -

96.0 h

Persistence and degradability **Bioaccumulative potential**

No data available No data available No data available Toxic to aquatic life.

Mobility in soil Other adverse effects

13. Disposal consideration

Disposal instructions Discharge, treatment, or disposal may be subject to national,

state, or local laws.

Offer rinsed packaging material to local recycling facilities. **Contaminated packaging**

Since emptied containers retain product residue, follow label

warnings even after container is emptied.





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14. Transport Information

	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
DOT	1218	ISOPRENE	3	I	No
IMDG	1218	ISOPRENE	3	I	No
IATA	1218	ISOPRENE	3	I	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

Issue Date: 01/08/2014

Version : 0

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