



MATERIAL SAFETY DATA SHEET

PRODUCT NAME: ISOPROPYL MYRISTATE

CAS Number: 110-27-0

1. IDENTIFICATION:

Product Code : 90935, 91187, 98078

Company Name : ADVENT CHEMBIO PRIVATE LIMITED

Address : W-279, MIDC, TTC INDUSTRIAL AREA, THANE-BELAPUR ROAD, RABALE,
NAVI MUMBAI - 400 701.

E-mail : sales@adventchembio.com

WEBSITE : www.adventchembio.com

Company Phone Number : 022-27690837

2. HAZARDS IDENTIFICATION:**Hazard classification****Physical hazards**

Health hazards : Not a hazardous substance or mixture

Labels elements : Not a hazardous substance or mixture

Hazard symbol : Not a hazardous substance or mixture

Signal word : Not a hazardous substance or mixture

Hazard statement : Not a hazardous substance or mixture

Precautionary statement

Prevention : . Do not handle until all safety precautions have been read and understood.

Response : Rinse skin with water/ shower.
IF IN EYES: Remove contact lenses, if present and easy to do. Continue rinsing.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF SWALLOWED: Call a doctor/physician.

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

Disposal : Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Other hazards which do not result in GHS classification : This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher

3. COMPOSITION/ INFORMATION ON INGREDIENTS:

Ingredient	CAS Number	Percent	Hazardous
Isopropyl Myristate	110-27-0	NLT 90.0%	No

MATERIAL SAFETY DATA SHEET

Version :01

PRODUCT NAME: ISOPROPYL MYRISTATE

CAS Number: 110-27-0

4. FIRST AID MEASURES:

General information	:	Get medical advice/attention if you feel unwell.
Ingestion	:	. Rinse mouth. Do NOT induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
Inhalation	:	Move to fresh air.
Skin contact	:	Flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.
Eye contact	:	Flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.
Most important symptoms/effects, acute and delayed	:	Not a hazardous substance or mixture
Indication of immediate medical attention and special treatment needed	:	No data available.

5. FIRE FIGHTING MEASURES:**General information****Suitable (and unsuitable) extinguishing media**

Suitable extinguishing media : Foam, dry powder or carbon dioxide.

Unsuitable extinguishing media : For this substance/mixture no limitations of extinguishing agents are given.

Specific hazards arising from the chemical : Carbon oxides Combustible. Vapors are heavier than air and may spread along floors. Forms explosive mixtures with air on intense heating. Development of hazardous combustion gases or vapours possible in the event of fire.

Special protective equipment and precautions for firefighters

Special firefighting procedures : Fight fire from a protected location. Move containers from fire area if you can do so without risk.

Special protective equipment for fire-fighters : Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

6. ACCIDENTAL RELEASE MEASURES:

Personal precautions, protective equipment and emergency procedures : Advice for non-emergency personnel: Do not breathe vapors, aerosols. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.

Methods and material for containment and cleaning up : Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions. Take up with liquid-absorbent material. Dispose of properly. Clean up affected area.

Notification Procedures : Prevent entry into waterways, sewer, basements or confined areas. Inform authorities if large amounts are involved.

Environmental precautions : Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do

MATERIAL SAFETY DATA SHEET

Version :01

PRODUCT NAME: ISOPROPYL MYRISTATE

CAS Number: 110-27-0

so. Avoid discharge into drains, water courses or onto the ground.

7. HANDLING AND STORAGE:

Precautions for safe handling : Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye Protection/ face protection. Avoid contact with eyes, skin, and clothing. Wash hands thoroughly after handling.

Conditions for safe storage, including any incompatibilities : Keep away from food, drink and animal feeding stuffs. Keep container tightly closed in a dry, well-ventilated place.

8. EXPOSURE CONTROLS PERSONAL PROTECTION:**Control parameters**

Appropriate engineering controls : No data available

Individual protection measures, such as personal protective equipment

General information : An eye wash and safety shower must be available in the immediate work area. Use explosion-proof ventilation equipment.

Eye/face protection : Wear safety glasses with side shields (or goggles).

Hand protection : Chemical resistant gloves.

Other : Wear suitable protective clothing.

Respiratory protection : Not required; except in case of aerosol formation.

Hygiene measures : Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Provide eyewash station and safety shower. Avoid contact with eyes, skin, and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance : Clear, colorless liquid

Odor : No data available.

Solubility : Immiscible with water, miscible with ethanol (96 per cent), with methylene chloride, with fatty oils and with liquid paraffin.

Formula : $C_{17}H_{34}O_2$

Molecular Weight : 270.45 g/mol

Specific Gravity : 0.846 - 0.854 g/cm³ at 20°C

pH : No data available.

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: ISOPROPYL MYRISTATE

CAS Number: 110-27-0

% Volatiles by volume @ 21C (70F)	:	No data available.
Boiling Point	:	193°C
Melting Point	:	3°C
Flash Point	:	> 150 °C
Vapor Density (Air=1)	:	No data available.
Vapor Pressure (mm Hg)	:	No data available.
Evaporation Rate (BuAc=1)	:	No data available.

10. STABILITY AND REACTIVITY:

Reactivity	:	Forms explosive mixtures with air on intense heating. A range from approx. 15 Kelvin below the flash point is to be rated as critical.
Chemical stability	:	Material is stable under ambient conditions..
Possibility of hazardous reactions	:	Violent reactions possible with: Oxidizing agents
Conditions to avoid	:	Strong heating
Incompatible materials	:	No data available.
Hazardous decomposition products	:	In the event of fire: see section 5

11. TOXICOLOGICAL INFORMATION:

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product	:	LD 50 (Rat): 10.000 mg/kg
Dermal Product	:	LD 50 (Rabbit): 5.000 mg/kg
Inhalation Product	:	No data available.
Repeated dose toxicity Product	:	No data available.
Skin corrosion/irritation Product	:	Slight irritation
Serious eye damage/eye irritation Product	:	Slight irritation
Respiratory or skin sensitization Product	:	Negative
Carcinogenicity Product	:	No data available.
IARC Monographs on the Evaluation of Carcinogenic Risks to Humans	:	No data available.

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: ISOPROPYL MYRISTATE

CAS Number: 110-27-0

US. National Toxicology Program (NTP) Report on Carcinogens	:	No data available.
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050 Germ cell mutagenicity)	:	No data available.
In vitro Product	:	No data available.
Reproductive toxicity Product	:	No data available.
Specific target organ toxicity - single exposure Product	:	Not known.
Specific target organ toxicity - repeated exposure Product	:	No data available.
Aspiration hazard Product	:	No data available.
Other effects	:	None known.

12. ECOLOGICAL INFORMATION:**Ecotoxicity****Acute hazards to the aquatic environment**

Fish Product	:	LC 50 Danio rerio (zebra fish), 96 h): > 8.400 mg/l
Aquatic invertebrates Product	:	EC 50 (Water flea (Daphnia magna), 48 h): 100 mg/l
Toxicity to algae	:	IC50 - Desmodesmus subspicatus (green algae) - > 100 mg/l - 72 h
Toxicity to bacteria	:	ECO - Pseudomonas putida - > 10.000 mg/l - 30 min

Chronic hazards to the aquatic environment

Fish Product	:	No data available.
Aquatic invertebrates Product	:	No data available.
Toxicity to Aquatic Plants Product:	:	No data available.
Persistence and degradability		
Biodegradation Product	:	63 - 91 % - Readily biodegradable
BOD/COD ratio Product	:	No data available.
Bioaccumulative potential		



MATERIAL SAFETY DATA SHEET

PRODUCT NAME: ISOPROPYL MYRISTATE

CAS Number: 110-27-0

Bioconcentration factor (BCF) Product : No data available on bioaccumulation.
Partition coefficient n-octanol / water (log Kow) Product : No data available.
Mobility in soil : No data available.
Other adverse effects : No ecological problems are to be expected when the product is handled and used with due care and attention.

13. DISPOSAL CONSIDERATION:

Disposal instructions : Discharge, treatment, or disposal may be subject to national, state, or local laws. Disposal recommendations are based on uncontaminated material.
Contaminated packaging : Since emptied containers retain product residue, follow label warnings even after container is emptied.

14. TRANSPORT INFORMATION:

	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
DOT		Isopropyl Myristate		Not dangerous goods	
IMDG		Isopropyl Myristate		Not dangerous goods	
IATA		Isopropyl Myristate		Not dangerous goods	

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.

MATERIAL SAFETY DATA SHEET

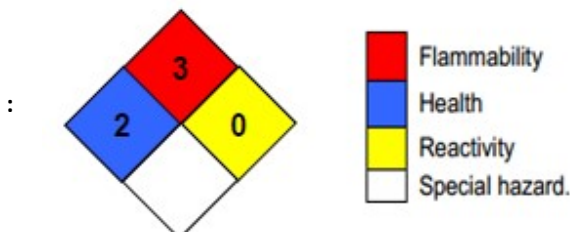
Version :01

PRODUCT NAME: ISOPROPYL MYRISTATE

CAS Number: 110-27-0

16. OTHER INFORMATION:

NFPA Hazard ID



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

Issue Date : 22/08/2023

Version : 01

Disclaimer: This Material Safety Data Sheet (MSDS) is for guidance and is based upon information and tests believed to be reliable. ADVENT CHEMBIO PRIVATE LIMITED makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages relating thereto. The data is offered solely for your consideration, investigation, and verification. The data should not be confused with local, state, federal or insurance mandates, regulations, or requirements and CONSTITUTE NO WARRANTY. Any use of this data and information must be determined by the technical instructor in accordance with applicable local, state or federal laws and regulations. The conditions or methods of handling, storage, use and disposal of the product(s) described are beyond the control of ADVENT CHEMBIO PRIVATE LIMITED and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THIS PRODUCT(S).