



MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION:

PRODUCT CODE	A0087
PRODUCT NAME	ISOAMYL BUTYRATE
SUPPLIER	Shanghai M & U International Trade Co., Ltd. Rm 1717, No 598 North NuJiang Road 200333 Shanghai, China +86-21-32515501 32515502 sales@mu-intel.com

FOR EMERGENCIES CALL CHEMTREC: 800-424-9300 (24-HOURS)

2. HAZARD IDENTIFICATION:

Harmful to aquatic organisms, may cause long term adverse affects in the environment

3. COMPOSITION AND INFORMATION ON INGREDIENTS:

Chemical identity	Butanoic acid, Isoamyl ester
Molecular formula	C ₉ H ₁₈ O ₂
CAS No.	106-27-4
EC No.	203-380-8
EC-Index-No.	n/a

4. FIRST-AID GUIDE:

After inhalation

Provide with fresh air

After skin contact

Take off all contaminated clothing, wash with plenty of water

After eye contact

Rinse thoroughly with plenty of water and seek medical advice

After swallowing

Immediately drink plenty of water; Seek medical advice and show this container or label

5. FIRE-FIGHTING GUIDE:

Suitable extinguishing media

Carbon Dioxide (CO₂), foam, powder

Special protective equipment for fire fighting

Do not stay in danger zone without self-contained breathing apparatus

Other information

Cool container with water spray from a safe distance. Contain escaping vapors with water. Prevent fire-fighting water from entering surface water or groundwater. Keep away from sources of ignition

Special risks

Flammable, vapors heavier than air, forms explosive mixtures with air at ambient temperatures. Development of hazardous combustion gases or vapors possible in the event of fire

6. ACCIDENTAL RELEASE GUIDE:

Person-related precautionary measures

Do not inhale vapors/aerosols. Ensure supply of fresh air in enclosed rooms

Environmental-protection measures

Do not allow to enter sewage system

Procedures for cleaning / absorption

Take up with liquid-absorbent material, forward for disposal. Clean affected area

7. HANDLING AND STORAGE:

Handling

Take precautionary measures against static discharges; keep away from source of ignition. When using do not eat or drink

Storage

Tightly closed, in a well-ventilated place, keep away from source of ignition – no smoking

8. EXPOSURE AND PERSONAL PROTECTION:

Exposure limits

Avoid contact with eyes, skin, clothing, and breathing vapor

Personal protective equipment

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier

Respiratory protection

Required when vapors/aerosols are generated

Eye protection

Wear eye/ face protection

Hand protection

Wear suitable gloves

Industrial hygiene

Change contaminated clothing. Application of skin-protective barrier cream recommended. Wash hands after working with substance

9. PHYSICAL AND CHEMICAL PROPERTIES:

Form

Liquid

Color

Colorless to pale yellow

Odor

Fruity

pH value at 10 g/l H2O

No information available

Boiling point	179°C
Flash point	57.7°C
Melting point	No information available
Explosive properties	No information available
Lower explosion limit	No information available
Upper explosion limit	No information available
Ignition temperature	No information available
Oxidizing properties	Not oxidizing; Flammable
Vapor pressure	1.1 hPa
Density/specific gravity@20°C	0.860-0.870
Solubility in	
Water	Insoluble
Organic solvents	Soluble

10. STABILITY AND REACTIVITY:

Conditions to be avoided	Heating
Substances to be avoided	Strong oxidizing agents
Hazardous decomposition products	Carbon monoxide, carbon dioxide
Further information	No information available

11. TOXICOLOGICAL INFORMATION:

LD50 oral, rat	> 5000 mg/kg
LD50 dermal, rabbit	> 5000 mg/kg
LD50 inhalation, rat	No information available
Further toxicological information	May be harmful if inhaled, swallowed, or if absorbed through the skin

12. ECOLOGICAL INFORMATION:

Biologic degradation	
Biodegradation	No information available
Ecotoxic effects	
Biological effects	No information available
Fish toxicity	No information available
Bacterial toxicity	No information available
Daphnia toxicity	No information available
Algal toxicity	No information available
Behavior in environmental compartments	
Distribution log P(oct)	No information available
Further ecological data	
Do not allow to enter water, drain or soil	

13. DISPOSAL RECOMMENDATIONS:

Product

according to official local regulations

Packing

according to official local regulations

14. TRANSPORTATION INFORMATION:

UN-no. / Name	UN2620 / Amyl Butyrates
IMDG – Classification	3 / UN2620 / PGIII
IATA - Classification	3 / UN2620 / PGIII
ADR - Classification	3 / UN2620 / PGIII

15. REGULATORY INFORMATION:**Labeling according to EC Directives**

Symbol	N/a	N/a
R-phrases	52/53	Harmful to aquatic organisms, may cause long term adverse effects in the environment
S-phrases	N/a	N/a
EC-no.	203-380-8	

16. OTHER INFORMATION:

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