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**JUNSEI****Safety Data Sheets****1. Identification**

Product name :3-Methoxybutyl acetate

Name of supplier :JUNSEI CHEMICAL CO., LTD.

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Product code(SDS NO) :31323jis_E-1

2. Hazards identification

GHS classification and label elements of the product

GHS classification

PHYSICAL HAZARDS

Flammable liquids : Category 4

(Note) GHS classification without description : Not applicable/Out of classification/Not classifiable

Signal word : Warning

HAZARD STATEMENT

Combustible liquid

PRECAUTIONARY STATEMENT

Prevention

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

Wear protective gloves/eye protection/face protection.

Response

In case of fire: Use appropriate media other than water for extinction.

Storage

Store in well-ventilated place. Keep cool .

Disposal

Dispose of contents/container

Physical and Chemical hazards

Heating may cause fire.

3. Composition/information on ingredients

Substance/Preparation :Substance

Common name, synonyms:3-Methoxy-n-butyl Acetate

Ingredient name:3-Methoxybutyl acetate

content(%):99.0 <

Chemical formula:C7H14O3

Chemicals No, Japan:2-739

CAS No.:4435-53-4

MW:146.19

ECNO:224-644-9

4. First-aid measures

IF INHALED

Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Call a POISON CENTER or doctor/physician if you feel unwell.

IF ON SKIN (or hair)

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

If skin irritation or rash occurs: Get medical advice/attention.

IF IN EYES :

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

IF SWALLOWED

Rinse mouth.

Call a POISON CENTER or doctor/physician if you feel unwell.

5. Fire-fighting measures

Use appropriate extinguishing media suitable for surrounding facilities.

Specific hazards arising from the chemical

Fire may produce irritating, corrosive and/or toxic gases.

Special protective equipment and precautions for fire-fighters

Wear fire/flame resistant/retardant clothing.

Wear cold insulating gloves/face shield/eye protection.

Firefighters should wear self-contained breathing apparatus with full face piece operated positive pressure mode.

6. Accidental release measures**Personnel precautions, protective equipment and emergency procedures**

Ventilate area after material pick up is complete.

Wear proper protective equipment.

Environmental precautions

Avoid release to the rivers, lakes, ocean, groundwater.

Methods and materials for neutralization, containment and cleaning up

Absorb spill with inert material (dry sand, earth, et al), then place in a chemical waste container.

Preventive measures for secondary accident

Collect spillage.

7. Handling and storage**Precautions for safe handling****Preventive measures**

(Exposure Control for handling personnel)

Use personal protective equipment as required.

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

Exhaust/ventilator

Exhaust/ventilator should be available.

Safety treatments

Avoid contact with skin.

Avoid contact with eyes.

Avoid breathing dust, vapor, mist, or gas.

Safety Measures/Incompatibility

Wear protective gloves/protective clothing/eye protection/face protection.

When using do not eat, drink or smoke.

Conditions for safe storage, including any incompatibilities

Recommendation for storage

Keep container tightly closed.

Store in well-ventilated place. Keep cool .

8. Exposure controls/personal protection

No Adopted value data available

Appropriate engineering controls

Do not use in areas without adequate ventilation.

Eye wash station should be available.

Washing facilities should be available.

Protective equipment

Respiratory protection

Wear positive pressure self-contained breathing apparatus (SCBA).

Hand protection

Wear protective gloves.

Eye protection

Wear eye/face protection.

9. Physical and Chemical Properties

Physical properties

Appearance :water non-soluble liquid

Color :colorless

Odor :Characteristic odor

pH :7 (30g/liter)

Phase change temperature

Initial Boiling Point/Boiling point :169-173°C

Melting point/Freezing point :-80°C

Decomposition temperature data N.A.

Flash point : (Closed Cup)62°C

Auto-ignition temperature :410°C

Explosion :Flammability or explosive limit

lower limit :0.8vol %

upper limit :4.7vol %

Vapor pressure :1.5hPa (20°C)

Specific gravity/Density :0.953~0.957g/ml (20°C)

Solubility

Solubility in water :30g/liter (20°C)

n-Octanol /water partition coefficient data N.A

10. Stability and Reactivity

Stability

Stable under normal storage/handling conditions.

Conditions to avoid

Open flames. Heat.

Hazardous decomposition products

Carbon oxides

11. Toxicological Information

No Acute toxicity data available
No Irritant properties data available
No Allergenic and sensitizing effects data available
No Mutagenic effects data available
No Teratogenic effects data available
No Carcinogenic effects data available
No Toxicity for reproduction data available
No Delayed/chronic effects from short/long-term exposure data available
No Aspiration hazard data available

12. Ecological Information

Ecotoxicity
No Aquatic toxicity data available
Water solubility
30g/L(IUCLID 2000)
No Persistence and degradability data available
No Bioaccumulative potential data available
No Mobility in soil data available
Ozone depleting chemical data not available

13. Disposal Considerations

Disposal methods
Dispose of contents/container in accordance with local/national regulation

14. Transport Information

UN No, UN CLASS
Not applicable to UN NO.
Sea pollutants control law
Noxious Liquid ; Cat. Y :3-Methoxy-n-butyl Acetate

15. Regulatory Information

GHS classification and labelling
Flam. Liq. 4 : H227 Combustible liquid
US major regulations
TSCA
3-Methoxy-n-butyl Acetate
Other regulatory information
Ensure this material in compliance with federal requirements and ensure conformity to local regulations.

16. Other information

Reference Book
Globally Harmonized System of classification and labelling of chemicals, (4th ed., 2011), UN
Recommendations on the TRANSPORT OF DANGEROUS GOODS 17th edit. UN
Classification, labelling and packaging of substances and mixtures (reg.(EC) No 1272/2008)
2012 EMERGENCY RESPONSE GUIDEBOOK(US DOT)
2013 TLVs and BEIs. (ACGIH)
<http://monographs.iarc.fr/monoeval/grlist.html>
Supplier's data/information

Other information

This information contained in this data sheet represents the best information currently available to us. However, no warranty is made with respect to its completeness and we assume no liability resulting from its use. It are advised to make their own test

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products' properties.

The GHS classification data given here is based on currentEU official data