

Material Safety Data Sheet

Choobineh Toos
Chemical Industrials Co.



1 Identification of the substance/preparation and of the company/undertaking

- **Product details**
- **Trade name: iso-butyl acetate**
- **Manufacturer/Supplier:**
Choobineh Toos Chemical industrials Co.
No. 103 , Chamran5 , Chamran Ave.
Mashhad - IRAN
www.choobinehtoos.com
tel : +98 511 222 00 95 fax : +98 511 223 67 64
- **Further information obtainable from:** Product safety department.

2 Composition/information on ingredients

- **Chemical characterization:**
- **CAS No. Description**
110-19-0 iso-butyl acetate
- **Identification number(s)**
- **EINECS Number: 203-745-1**
- **EU Number: 607-026-00-7**

3 Hazards identification

- **Hazard description:** Not applicable.
- **Information concerning particular hazards for human and environment:**
At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.
R 11 Highly Flammable.
R 66 Repeated exposure may cause skin dryness or cracking.

4 First aid measures

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.

5 Fire-fighting measures

- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.

(Contd. on page 2)



Material Safety Data Sheet

· Trade name: iso-butyl acetate

(Contd. of page 1)

7 Handling and storage

- **Handling:**
- **Information for safe handling:** No special requirement
- **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Ingredients with limit values that require monitoring at the workplace:**

110-19-0 iso-butyl acetate

PEL (USA)	700 mg/m ³ , 150 ppm
REL (USA)	700 mg/m ³ , 150 ppm
TLV (USA)	713 mg/m ³ , 150 ppm
WEL (Great Britain)	Short-term value: 903 mg/m ³ , 187 ppm Long-term value: 724 mg/m ³ , 150 ppm

- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:** Wash hands before breaks and at the end of work.
- **Respiratory protection:** Not required.
- **Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection**



Tightly sealed goggles

(Contd. on page 3)

Material Safety Data Sheet

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(Contd. of page 2)

9 Physical and chemical properties

· General Information

Form: Fluid
Colour: Colourless
Odour: Fruit-like

· Change in condition

Melting point/Melting range: -98.85 °C
Boiling point/Boiling range: 117.2 °C

· **Flash point:** 18°C

· **Ignition temperature:** 405°C

· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

· Explosion limits:

Lower: 2.4 Vol %
Upper: 10.5 Vol %

· **Vapour pressure at 20°C:** 20 hPa

· **Density at 20°C:** 0.8747 g/cm³

· **Solubility in / Miscibility with water at 20°C:** 7 g/l

· **pH-value (5 g/l) at 20°C:** 6

· Viscosity:

Dynamic at 20°C: 0.96 mPas

10 Stability and reactivity

· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

· **Dangerous reactions** No dangerous reactions known.

· **Dangerous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

· Acute toxicity:

· LD/LC50 values relevant for classification:

Oral	LD50	13400	mg/kg (rat)
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· Primary irritant effect:

· **on the skin:** No irritant effect.

· **on the eye:** Irritating effect.

· **Sensitization:** No sensitizing effects known.

(Contd. on page 4)

Material Safety Data Sheet

Choobineh Toos
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(Contd. of page 3)

12 Ecological information

· **General notes:**

Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 Disposal considerations

· **Product:**

· **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packaging:**

· **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· Land transport ADR/RID (cross-border)



- **ADR/RID class:** 3 Flammable liquids.
- **Danger code (Kemler):** 33
- **UN-Number:** 1213
- **Packaging group:** II
- **Hazard label:** 3
- **Description of goods:** 1213 ISOBUTYL ACETATE
- **Maritime transport IMDG:**



- **IMDG Class:** 3
- **UN Number:** 1213
- **Label** 3
- **Packaging group:** II
- **EMS Number:** F-E,S-D
- **Proper shipping name:** ISOBUTYL ACETATE
- **Air transport ICAO-TI and IATA-DGR:**



- **ICAO/IATA Class:** 3
- **UN/ID Number:** 1213
- **Label** 3

(Contd. on page 5)

Material Safety Data Sheet

Choobineh Toos
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· **Trade name:** iso-butyl acetate

(Contd. of page 4)

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- **Packaging group:** II
 - **Proper shipping name:** ISOBUTYL ACETATE

15 Regulatory information

- **Labelling according to EU guidelines:**
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.
- **Risk phrases:**
 - 11 Flammable.
 - 66 Repeated exposure may cause skin dryness or cracking.
- **Safety phrases:**
 - 2 Keep out of the reach of children.
 - 16 Keep away from sources of ignition - No smoking.
 - 23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer) specified by the manufacturer)
 - 25 Avoid contact with eyes.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing MSDS:** Product safety department.
 - **Contact:** Terminal Manager
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