

# SAFETY DATA SHEET



Isobutyl acetate  
10260

Version / Revision  
Supersedes Version

3  
2.00\*\*\*

Revision Date  
Issuing date

02-Feb-2022  
02-Feb-2022

## SECTION 1: Identification of the substance / mixture and of the company / undertaking

### 1.1. Product identifier

Identification of the  
substance/preparation

**Isobutyl acetate**

CAS-No 110-19-0  
EC No. 203-745-1

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance /  
Preparation solvent.  
Uses advised against None

### 1.3. Details of the supplier of the safety data sheet

Company/Undertaking  
Identification **OQ Chemicals Corporation**  
15375 Memorial Drive  
West Memorial Place I  
Suite 300  
Houston, TX 77079  
USA

Product Information Product Stewardship  
FAX: +49 (0)208 693 2053  
email: sc.psq@oq.com

### 1.4. Emergency telephone number

Emergency telephone number +44 (0) 1235 239 670 (UK) available 24/7  
NCEC +1 202 464 2554 available 24/7\*\*\*  
Local emergency telephone  
number +61 2 8014 4558 (Australia)  
18000 74234 (Australia toll-free number)  
+64 9 929 1483 (New Zealand)  
0800 446 881 (New Zealand toll-free number)  
+65 3158 1195 (Sri Lanka)  
007 803 011 0293 (Indonesia toll-free number)  
+60 3 6207 4347 (Malaysia)  
001 800 120 666 751 (Thailand toll-free number)  
+65 3158 1200 (Bangladesh)  
+63 2 8231 2149 (Philippines)  
+84 28 4458 2388 (Vietnam)  
+65 3165 2217 (Singapore)  
available 24/7

## SECTION 2: Hazards identification

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## Europe

### 2.1. Classification of the substance or mixture

This substance is classified based on Directive 1272/2008/EC and its amendments (CLP Regulation)

Flammable liquid Category 2, H225  
Target Organ Systemic Toxicant - Single exposure Category 3, H336

#### Additional information

For full text of Hazard- and EU Hazard-statements see SECTION 16.

### 2.2. Label elements

Labelling according to Regulation 1272/2008/EC and its amendments (CLP Regulation).

#### Hazard pictograms



#### Signal word

**Danger**

#### Hazard statements

H225: Highly flammable liquid and vapour.  
H336: May cause drowsiness or dizziness.

#### Precautionary statements

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P233: Keep container tightly closed.  
P261: Avoid breathing gas/mist/vapours.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P303 + P361 + P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  
P304 + P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P312: Call a POISON CENTRE/doctor if you feel unwell.  
P403 + P235: Store in a well ventilated place. Keep cool.

#### Supplemental Hazard Information (EU)

EUH 066: Repeated exposure may cause skin dryness or cracking.

### 2.3. Other hazards

Vapours may form explosive mixture with air  
Vapour is heavier than air and can travel considerable distance to a source of ignition and flashback  
Components of the product may be absorbed into the body by inhalation

#### PBT and vPvB assessment

This substance is not considered to be persistent, bioaccumulating nor toxic (PBT), nor very persistent nor very bioaccumulating (vPvB)

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## USA

### 2.1. Classification of the substance or mixture

This substance is classified in accordance with paragraph (d) of §1910.1200 (GHS-US classification).

Target Organ Systemic Toxicant - Single exposure Category 3, H336  
Flammable liquid Category 2, H225  
Environmental hazard Aquatic Acute 3; H402

**OSHA Specified Hazards** Not applicable.

### 2.2. Label elements

Labeling according to §1910.1200 (GHS-US labeling).

**Hazard symbol(s)**



**Signal word**

**Danger**

**Hazard statements**

H225: Highly flammable liquid and vapor.  
H336: May cause drowsiness or dizziness.  
H402: Harmful to aquatic life

**Precautionary statements**

**Prevention**

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P233: Keep container tightly closed.  
P240: Ground and bond container and receiving equipment.  
P241: Use explosion-proof electrical/ ventilating/ lighting equipment.  
P242: Use non-sparking tools.  
P243: Take precautionary measures against static discharge.  
P261: Avoid breathing gas/mist/vapours.  
P273: Avoid release to the environment.  
P271: Use only outdoors or in a well ventilated area.  
P280: Wear protective gloves/eye protection/face protection.\*\*\*

**Response**

P303 + P361 + P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  
P304 + P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P312: Call a POISON CENTRE/doctor if you feel unwell.

**Storage**

P403 + P235: Store in a well ventilated place. Keep cool.  
P405: Store locked up.

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**Disposal** P501: Dispose of contents/container in accordance with local regulation.

## 2.3. Other hazards

Vapour is heavier than air and can travel considerable distance to a source of ignition and flashback  
Vapours may form explosive mixture with air  
Components of the product may be absorbed into the body by inhalation  
Repeated exposure may cause skin dryness or cracking

## SECTION 3: Composition / information on ingredients

### 3.1. Substances

Component	CAS-No	REACH-No	1272/2008/EC	Concentration (%)
Isobutyl acetate	110-19-0	01-2119488971-22	Flam. Liq. 2; H225 STOT SE 3; H336 EU H066	> 99,0

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### Inhalation

Keep at rest. Aerate with fresh air. When symptoms persist or in all cases of doubt seek medical advice.

#### Eyes

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. Immediate medical attention is required.

#### Skin

Wash off immediately with soap and plenty of water. When symptoms persist or in all cases of doubt seek medical advice.

#### Ingestion

Call a physician immediately. Do not induce vomiting without medical advice.

### 4.2. Most important symptoms and effects, both acute and delayed

#### Main symptoms

cough, nausea, vomiting, headache, unconsciousness, shortness of breath, dizziness, narcosis.

#### Special hazard

central nervous system effects, Lung oedema, Prolonged skin contact may defat the skin and produce dermatitis.

### 4.3. Indication of any immediate medical attention and special treatment needed

#### General advice

Remove contaminated, soaked clothing immediately and dispose of safely. First aider needs to protect himself.

Treat symptomatically.

## SECTION 5: Firefighting measures

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## 5.1. Extinguishing media

### Suitable extinguishing media

foam, dry chemical, carbon dioxide (CO<sub>2</sub>), water spray

### Unsuitable Extinguishing Media

Do not use a solid water stream as it may scatter and spread fire.

## 5.2. Special hazards arising from the substance or mixture

Under conditions giving incomplete combustion, hazardous gases produced may consist of:

carbon monoxide (CO)

carbon dioxide (CO<sub>2</sub>)

Combustion gases of organic materials must in principle be graded as inhalation poisons

Vapour is heavier than air and can travel considerable distance to a source of ignition and flashback

Vapours may form explosive mixture with air

## 5.3. Advice for firefighters

### Special protective equipment for firefighters

Fire fighter protection should include a self-contained breathing apparatus (NIOSH-approved or EN 133) and full fire-fighting turn out gear.

### Precautions for firefighting

Cool containers / tanks with water spray. Dike and collect water used to fight fire. Keep people away from and upwind of fire.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: For personal protective equipment see section 8. Avoid contact with skin and eyes. Avoid breathing vapors or mists. Keep people away from and upwind of spill/leak. Ensure adequate ventilation, especially in confined areas. Keep away from heat and sources of ignition.

For emergency responders: Personal protection see section 8.

### 6.2. Environmental precautions

Prevent further leakage or spillage. Do not discharge product into the aquatic environment without pretreatment (biological treatment plant).

### 6.3. Methods and material for containment and cleaning up

#### Methods for containment

Stop the flow of material, if possible without risk. Dike spilled material, where this is possible.

#### Methods for cleaning up

Soak up with inert absorbent material. Keep in suitable, closed containers for disposal. If liquid has been spilt in large quantities clean up promptly by scoop or vacuum. Dispose of in accordance with local regulations. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours).

### 6.4. Reference to other sections

For personal protective equipment see section 8.



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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Provide sufficient air exchange and/or exhaust in work rooms.

#### Hygiene measures

When using, do not eat, drink or smoke. Take off all contaminated clothing immediately. Wash hands before breaks and immediately after handling the product.

#### Advice on the protection of the environment

See Section 8: Environmental exposure controls.

#### Incompatible products

strong acids and strong bases  
strong oxidizing agents

### 7.2. Conditions for safe storage, including any incompatibilities

#### Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). In case of fire, emergency cooling with water spray should be available. Ground and bond containers when transferring material. Vapour is heavier than air and can travel considerable distance to a source of ignition and flashback. Vapours may form explosive mixture with air.

#### Technical measures/Storage conditions

Keep containers tightly closed in a cool, well-ventilated place. Handle and open container with care.

#### Suitable material

mild steel, stainless steel, aluminium

#### Unsuitable material

Attacks some forms of plastic and rubber, copper

#### Temperature class

T2

### 7.3. Specific end use(s)

Formulation  
Distribution of substance  
coatings  
cleaning agent  
laboratory chemicals

## SECTION 8: Exposure controls / personal protection

### 8.1. Control parameters

#### Exposure limits European Union

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Directive 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU \*\*\*

Component	TWA (mg/m <sup>3</sup> )	TWA (ppm)	STEL (mg/m <sup>3</sup> )	STEL (ppm)	Skin Absorption
Isobutyl acetate CAS: 110-19-0	241***	50***	723***	150***	

## Exposure limits Germany

### TRGS 900

Component	AGW (mg/m <sup>3</sup> )	AGW (ppm)	STEL factor Peak factor	Peak-limit category
Isobutyl acetate CAS: 110-19-0	300	62	2	I ***
Component	Skin resorptive		Reproductive hazard	Note
Isobutyl acetate CAS: 110-19-0			Y	

### MAK-values from the DFG

Component	MAK (ppm)	MAK (mg/m <sup>3</sup> )	listed w/o limits	Ceiling limit value
Isobutyl acetate CAS: 110-19-0	100	480		(2) I
Component	H;S	carcinogenic category	pregnancy group	mutagenicity category
Isobutyl acetate CAS: 110-19-0			C	

#### Note

For details and further information please refer to the original regulation.

## Exposure limits United States of America

### US ACGIH

Component	TWA (mg/m <sup>3</sup> )	TWA (ppm)	STEL (mg/m <sup>3</sup> )	STEL (ppm)
Isobutyl acetate CAS: 110-19-0		50		150

### US OSHA Z-1

Component	Ceiling (mg/m <sup>3</sup> )	Ceiling (ppm)	PEL (mg/m <sup>3</sup> )	PEL (ppm)	Skin Designation
Isobutyl acetate CAS: 110-19-0			700	150	

#### Note

For details and further information please refer to the original regulation.

## 8.2. Exposure controls

### Appropriate Engineering controls

General or dilution ventilation is frequently insufficient as the sole means of controlling employee exposure. Local ventilation is usually preferred. Explosion-proof equipment (for example fans, switches, and grounded ducts) should be used in mechanical ventilation systems.

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## Personal protective equipment

### General industrial hygiene practice

Avoid contact with skin, eyes and clothing. Do not breathe vapours or spray mist. Ensure that eyewash stations and safety showers are close to the workstation location.

### Hygiene measures

When using, do not eat, drink or smoke. Take off all contaminated clothing immediately. Wash hands before breaks and immediately after handling the product.

### Eye protection

Tightly fitting safety goggles. In addition to goggles, wear a face shield if there is a reasonable chance for splash to the face.

### Hand protection

Wear protective gloves. Recommendations are listed below. Other protective material may be used, depending on the situation, if adequate degradation and permeation data is available. If other chemicals are used in conjunction with this chemical, material selection should be based on protection for all chemicals present.

<b>Suitable material</b>	butyl-rubber
<b>Evaluation</b>	according to EN 374: level 3
<b>Glove thickness</b>	approx 0,3 mm
<b>Break through time</b>	approx 60 min

<b>Suitable material</b>	polyvinylchloride / nitrile rubber
<b>Evaluation</b>	according to EN 374: level 2
<b>Glove thickness</b>	approx 0,9 mm
<b>Break through time</b>	approx 30 min

### Skin and body protection

Impervious clothing. Wear face-shield and protective suit for abnormal processing problems.

### Respiratory protection

Respirator with filter for organic vapour. Use the indicated respiratory protection if the occupational exposure limit is exceeded and/or in case of product release (dust). Equipment should conform to NIOSH, EN or other applicable national standards.

### Environmental exposure controls

If possible use in closed systems. If leakage can not be prevented, the substance needs to be suck off at the emersion point, if possible without danger. Observe the exposure limits, clean exhaust air if needed. If recycling is not practicable, dispose of in compliance with local regulations. Inform the responsible authorities in case of leakage into the atmosphere, or of entry into waterways, soil or drains.

## **SECTION 9: Physical and chemical properties**

### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	liquid
<b>Colour</b>	colourless
<b>Odour</b>	fruity
<b>Odour threshold</b>	19,3 mg/m <sup>3</sup>
<b>pH</b>	6,7 (~5 g/l in water @ 20 °C (68 °F))
<b>Melting point/range</b>	< -90 °C (Pour point)
<b>Boiling point/range</b>	117 °C @ 1013 hPa
<b>Flash point</b>	22 °C @ 1013 hPa***
<b>Method</b>	ISO 2719



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**Evaporation rate** 1,5 (n-Butyl acetate = 1)  
**Flammability (solid, gas)** Does not apply, the substance is a liquid  
**Lower explosion limit** 1,3 Vol %  
**Upper explosion limit** 10,5 Vol %

## Vapour pressure

Values [hPa]	Values [kPa]	Values [atm]	@ °C	@ °F	Method
21	2,1	0,021	20	68	DIN EN 13016-2***
89	8,9	0,088	50	122	DIN EN 13016-2***

**Vapour density** 4,0 (Air = 1) @ 20 °C (68 °F)

## Relative density

Values	@ °C	@ °F	Method
0,871	20	68	DIN 51757

**Solubility** 5,6 g/l @ 20 °C, in water, OECD 105

**log Pow** 2,3 @ 25 °C (77 °F) measured OECD 117\*\*\*

**Autoignition temperature** 430 °C @ 1019 hPa\*\*\*

**Method** DIN 51794

**Decomposition temperature** No data available

**Viscosity** 0,70 mPa\*s @ 20 °C

**Method** dynamic, ASTM D445

**Oxidizing properties** Does not apply, substance is not oxidising. There are no chemical groups associated with oxidizing properties

**Explosive properties** Does not apply, substance is not explosive. There are no chemical groups associated with explosive properties

## 9.2. Other information

**Molecular weight** 116,16

**Molecular formula** C6 H12 O2

**log Koc** 1,19 calculated\*\*\*

**Refractive index** 1,390 @ 20 °C

**Surface tension** 62,5 mN/m (1 g/l @ 20°C (68°F)), OECD 115

## SECTION 10: Stability and Reactivity

### 10.1. Reactivity

The reactivity of the product corresponds to the typical reactivity shown by the substance group as described in any text book on organic chemistry.

### 10.2. Chemical stability

Stable under recommended storage conditions.

### 10.3. Possibility of hazardous reactions

Vapours may form explosive mixture with air.

### 10.4. Conditions to avoid

Avoid contact with heat, sparks, open flame and static discharge. Avoid any source of ignition.

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## 10.5. Incompatible materials

strong acids and strong bases, strong oxidizing agents.

## 10.6. Hazardous decomposition products

No decomposition if stored and applied as directed.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Likely routes of exposure** Ingestion, Inhalation, Eye contact, Skin contact

<b>Acute toxicity</b>				
<b>Isobutyl acetate (110-19-0)</b>				
Routes of Exposure	Endpoint	Values	Species	Method
Oral	LD50	13413 mg/kg	rat	OECD 401
Dermal	LD50	> 17400 mg/kg	rabbit male***	OECD 402
Inhalative	LC50	30 mg/l	rat, female***	OECD 403

#### **Isobutyl acetate, CAS: 110-19-0**

##### **Assessment**

Based on available data, the classification criteria are not met for:

Acute oral toxicity

Acute dermal toxicity

Acute inhalation toxicity

<b>Irritation and corrosion</b>				
<b>Isobutyl acetate (110-19-0)</b>				
Target Organ Effects	Species	Result	Method	
Skin	rabbit	No skin irritation	OECD 404	read across
Eyes	rabbit	No eye irritation	OECD 405	read across
Respiratory tract	human	Low irritating potential		read across***

#### **Isobutyl acetate, CAS: 110-19-0**

##### **Assessment**

Based on available data, the classification criteria are not met for:

skin irritation/corrosion

eye irritation/corrosion

respiratory irritation

<b>Sensitization</b>				
<b>Isobutyl acetate (110-19-0)</b>				
Target Organ Effects	Species	Evaluation	Method	
Skin	guinea pig	not sensitizing	OECD 406	

#### **Isobutyl acetate, CAS: 110-19-0**

##### **Assessment**

Based on available data, the classification criteria are not met for:

Skin sensitization

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For respiratory sensitization, no data are available

<b>Subacute, subchronic and prolonged toxicity</b>				
<b>Isobutyl acetate (110-19-0)</b>				
Type	Dose	Species	Method	
Subchronic toxicity	NOAEL: 495 mg/kg/d	rat, male/female	OECD 408	read across
Subchronic toxicity	NOAEC: 500 ppm/d (13 weeks)***	rat, male/female	EPA OTS 798.2450 Inhalation***	read across

## **Isobutyl acetate, CAS: 110-19-0**

### **Assessment**

Based on available data, the classification criteria are not met for:  
STOT RE

<b>Carcinogenicity, Mutagenicity, Reproductive toxicity</b>					
<b>Isobutyl acetate (110-19-0)</b>					
Type	Dose	Species	Evaluation	Method	
Mutagenicity		Salmonella typhimurium	negative	OECD 471 (Ames)	In vitro study
Mutagenicity		V79 cells, Chinese hamster	negative (with metabolic activation)	OECD 473 (Chromosomal Aberration)	In vitro study
Mutagenicity		mouse	negative	OECD 474	read across In vitro study micronucleus test
Developmental Toxicity***	NOAEC: 15,7 mg/l	rat		OECD 414, Inhalative	read across Maternal toxicity, Developmental toxicity, Teratogenicity Embryotoxicity***
Developmental Toxicity***	NOAEC: 3,9 mg/l	rabbit	Maternal toxicity	OECD 414, Inhalative	read across
Developmental Toxicity***	NOAEC: 15,7 mg/l	rabbit	Fetal toxicity, Embryotoxicity Teratogenicity***	OECD 414, Inhalative	read across
Reproductive toxicity	NOAEC: 3198 ppm***	rat, parental rat, 1. Generation, male/female rat 2. Generation, male/female***		EPA OPPTS 870.3800	read across
Reproductive toxicity***		V79 cells, Chinese hamster	negative (with metabolic activation)	OECD 476 (Mammalian Gene Mutation) HPRT	read across In vitro study

## **Isobutyl acetate, CAS: 110-19-0**

### **CMR Classification**

The available data on CMR properties are summarized in the table above. They do not indicate a classification into categories 1A or 1B

### **Evaluation**

Based on available data, the classification criteria are not met for:  
Mutagenicity

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Developmental toxicity  
Reproductive toxicity  
No cancer study was conducted\*\*\*

## **Isobutyl acetate, CAS: 110-19-0**

### **Main symptoms**

cough, shortness of breath, dizziness, headache, nausea, narcosis, vomiting, unconsciousness.

### **Target Organ Systemic Toxicant - Single exposure**

The available data lead to the classification given in section 2

### **Target Organ Systemic Toxicant - Repeated exposure**

Repeated exposure may cause skin dryness or cracking

Based on available data, the classification criteria are not met for:

STOT RE

### **Other adverse effects**

Components of the product may be absorbed into the body by inhalation.

### **Note**

Handle in accordance with good industrial hygiene and safety practice. Further details on substance data can be found in the registration dossier under the following link:

<http://echa.europa.eu/information-on-chemicals/registered-substances>.

## **SECTION 12: Ecological information**

### **12.1. Toxicity**

<b>Acute aquatic toxicity</b>			
<b>Isobutyl acetate (110-19-0)</b>			
Species	Exposure time	Dose	Method
Daphnia magna (Water flea)	48h	EC50: 25 mg/l	OECD 202
Oryzias latipes (Medaka)	96h	LC50: 17 mg/l	OECD 203
Pseudokirchneriella subcapitata	72h	EC50: 397 mg/l (Growth rate)	OECD 201
Pseudomonas putida	16 h	TTC: 200 mg/l	Cell multiplication inhibition test

<b>Long term toxicity</b>				
<b>Isobutyl acetate (110-19-0)</b>				
Type	Species	Dose	Method	
Reproductive toxicity	Daphnia magna (Water flea)	EC50: 34 mg/l/21d	OECD 211	
Reproductive toxicity	Daphnia magna (Water flea)	NOEC: 23 mg/l (21d)	OECD 211	
Aquatic toxicity	Pseudokirchneriella subcapitata	NOEC: 196 mg/l (3d)	OECD 201	

### **12.2. Persistence and degradability**

#### **Isobutyl acetate, CAS: 110-19-0**

##### **Biodegradation**

81 % (20 d), Readily biodegradable, Sewage, domestic, non-adapted, aerobic, OECD 301 D.

<b>Abiotic Degradation</b>		
<b>Isobutyl acetate (110-19-0)</b>		
Type	Result	Method

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Hydrolysis***	t1/2 (pH 7): 3,33 yr @ 25°C***	calculated***
Photolysis***	Half-life (DT50): 3,49 days***	calculated***

## 12.3. Bioaccumulative potential

<b>Isobutyl acetate (110-19-0)</b>		
Type	Result	Method
log Pow	2,3 @ 25 °C (77 °F)***	measured, OECD 117
BCF	15,3***	calculated***

## 12.4. Mobility in soil

<b>Isobutyl acetate (110-19-0)</b>		
Type	Result	Method
Surface tension	62,5 mN/m (1 g/l @ 20°C (68°F))	OECD 115
Adsorption/Desorption	log Koc: 1,19	calculated
Distribution to environmental compartments	Air: 13% Soil: 48% Water: 38,8% Sediment: 0,11%	calculated Fugacity Model Level III

## 12.5. Results of PBT and vPvB assessment

### **Isobutyl acetate, CAS: 110-19-0**

#### **PBT and vPvB assessment**

This substance is not considered to be persistent, bioaccumulating nor toxic (PBT), nor very persistent nor very bioaccumulating (vPvB)

## 12.6. Other adverse effects

### **Isobutyl acetate, CAS: 110-19-0**

No data available

## **SECTION 13: Disposal considerations**

### **13.1. Waste treatment methods**

#### **Product Information**

Disposal required in compliance with all waste management related state and local regulations. The choice of the appropriate method of disposal depends on the product composition by the time of disposal as well as the local statutes and possibilities for disposal.

Hazardous waste according to European Waste Catalogue (EWC)

#### **Uncleaned empty packaging**

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

## **SECTION 14: Transport information**

### **ICAO-TI / IATA-DGR**

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14.1. UN number	UN 1213
14.2. UN proper shipping name	Isobutyl acetate
14.3. Transport hazard class(es)	3
14.4. Packing group	II
14.5. Environmental hazards	no
14.6. Special precautions for user	no data available

## IMDG

14.1. UN number	UN 1213
14.2. UN proper shipping name	Isobutyl acetate
14.3. Transport hazard class(es)	3
14.4. Packing group	II
14.5. Environmental hazards	no
14.6. Special precautions for user	
EmS	F-E, S-D
14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code	
Product name	Butyl acetate
Ship type	3
Pollution category	Y

## ADR/RID

14.1. UN number	UN 1213
14.2. UN proper shipping name	Isobutyl acetate
14.3. Transport hazard class(es)	3
14.4. Packing group	II
14.5. Environmental hazards	no
14.6. Special precautions for user	
ADR Tunnel restriction code	(D/E)
Classification Code	F1
Hazard Number	33

## **SECTION 15: Regulatory information**

### **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

#### **Regulation 1272/2008, Annex VI**

##### **Isobutyl acetate, CAS: 110-19-0**

Classification	Flam. Liq. 2; H225
Hazard pictograms	GHS02 Flame
Signal word	Danger
Hazard statements	H225, EUH066

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## DI 2012/18/EU (Seveso III)

### Category

Annex I, part 1:  
P5a - c; depending on conditions

## DI 1999/13/EC (VOC Guideline)

Component	Status
Isobutyl acetate CAS: 110-19-0	regulated

## International Inventories

### Isobutyl acetate, CAS: 110-19-0

AICS (AU)  
DSL (CA)  
IECSC (CN)  
EC-No. 2037451 (EU)  
ENCS (2)-731 (JP)  
ISHL (2)-731 (JP)  
KECI KE-00055 (KR)  
INSQ (MX)  
PICCS (PH)  
TSCA (US)  
NZIoC (NZ)  
TCSI (TW)

## **SECTION 16: Other information**

### Full text of H-Statements referred to under sections 2 and 3

H225: Highly flammable liquid and vapour.

H336: May cause drowsiness or dizziness.

EUH 066: Repeated exposure may cause skin dryness or cracking.

### Abbreviations

A table of terms and abbreviations can be found under the following link:

[http://echa.europa.eu/documents/10162/13632/information\\_requirements\\_r20\\_en.pdf](http://echa.europa.eu/documents/10162/13632/information_requirements_r20_en.pdf)

### Training advice

For effective first-aid, special training / education is needed.

### Sources of key data used to compile the datasheet

Information contained in this safety data sheet is based on OQ owned data and public sources deemed valid or acceptable. The absence of data elements required by OSHA, ANSI or Annex II, Regulation 1907/2006/EC indicates, that no data meeting these requirements is available.

### Further information for the safety data sheet

Changes against the previous version are marked by \*\*\*. Observe national and local legal requirements. For more information, other material safety data sheets or technical data sheets please consult the OQ homepage ([www.chemicals.oq.com](http://www.chemicals.oq.com)).

### Disclaimer

**For industrial use only.** The information contained herein is accurate to the best of our knowledge. We do not suggest or guarantee that any hazards listed herein are the only ones which exist. OQ makes no warranty of any kind, express or implied, concerning the safe use of this material in your process or in combination with other

# SAFETY DATA SHEET



**Isobutyl acetate**  
**10260**

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substances. User has the sole responsibility to determine the suitability of the materials for any use and the manner of use contemplated. User must meet all applicable safety and health standards.

**End of Safety Data Sheet**