

Revision Date 15-Dec-2011

Revision Number 2

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Identifier

Product Description:

Benzyl acetate

Cat No.

105820000; 105820010; 105820050; 105822500

Synonyms

Acetic acid phenylmethyl ester; Acetic acid benzyl ester; Benzyl ethanoate.

Relevant identified uses of the substance or mixture and uses advised against

Recommended Use

Laboratory chemicals

Uses advised against

No Information available

Details of the supplier of the safety data sheet

Company

Acros Organics BVBA
Janssen Pharmaceuticaaan 3a
2440 Geel, Belgium

E-mail address

begel.sdsdesk@thermofisher.com

Emergency Telephone Number

For information in the US, call: 001-800-ACROS-01

For information in Europe, call: +32 14 57 52 11

Emergency Number, Europe: +32 14 57 52 99

Emergency Number, US: 001-201-796-7100

CHEMTREC Phone Number, US: 001-800-424-9300

CHEMTREC Phone Number, Europe: 001-703-527-3887

SECTION 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

REGULATION (EC) No 1272/2008

Skin Corrosion/irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2
Specific target organ systemic toxicity (single exposure)	Category 3

Classification according to EU Directives 67/548/EEC or 1999/45/EC

For the full text of the R-phrases and H-Statements mentioned in this Section, see Section 16

Symbol(s)

Xi - Irritant

R-phrases

none

Risk Combination Phrases

R36/37/38 - Irritating to eyes, respiratory system and skin

Benzyl acetate

Revision Date 15-Dec-2011

SECTION 2. HAZARDS IDENTIFICATION

Label Elements



Signal Word

Warning

Hazard Statements

H319 - Causes serious eye irritation
 H335 - May cause respiratory irritation
 H315 - Causes skin irritation

P261 - Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray
 P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
 P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Other Hazards

No information available.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	EC-No.	Weight %	CAS-No	67/548/EEC Classification	CLP Classification - Regulation (EC) No 1272/2008	REACH No.
Benzyl acetate 140-11-4	EEC No. 205-399-7	99	140-11-4	Xi; R36/37/38	STOT SE 3 (H335) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319)	-

For the full text of the R-phrases and H-Statements mentioned in this Section, see Section 16

SECTION 4. FIRST AID MEASURES

Description of first aid measures

Benzyl acetate

Revision Date 15-Dec-2011

SECTION 4. FIRST AID MEASURES

Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.
Skin Contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Obtain medical attention.
Ingestion	Clean mouth with water. Get medical attention.
Inhalation	Remove from exposure, lie down. Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Obtain medical attention.
Notes to Physician	Treat symptomatically

SECTION 5. FIRE-FIGHTING MEASURES**Extinguishing media****Suitable Extinguishing Media**

Water spray. Carbon dioxide (CO₂). Dry chemical. chemical foam.

Extinguishing media which must not be used for safety reasons

No information available.

Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating gases and vapors

Advice for fire-fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation

Environmental precautions

Prevent further leakage or spillage if safe to do so

Methods and material for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal..

SECTION 7. HANDLING AND STORAGE**Precautions for Safe Handling**

Benzyl acetate
Revision Date 15-Dec-2011

Avoid contact with skin and eyes. Do not breathe dust. Do not breathe vapors or spray mist.

Conditions for safe storage, including any incompatibilities

Keep in a dry, cool and well-ventilated place. Keep container tightly closed.

Specific End Uses
SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
Control parameters
Exposure limits

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Component
Benzyl acetate

European Union	The United Kingdom	France	Belgium	Spain
			TWA: 10 ppm 8 uren TWA: 62 mg/m ³ 8 uren	VLA-ED: 10 ppm 8 horas VLA-ED: 62 mg/m ³ 8 horas

Component
Benzyl acetate

Italy	Germany	Portugal	The Netherlands	Finland
		TWA: 10 ppm 8 horas		

Component
Benzyl acetate

Austria	Denmark	Switzerland	Poland	Norway
	TWA: 10 ppm 8 timer TWA: 61 mg/m ³ 8 timer			

Component
Benzyl acetate

Latvia	Lithuania	Luxembourg	Malta	Romania
TWA: 5 mg/m ³	TWA: 5 mg/m ³			TWA: 8 ppm 8 ore TWA: 50 mg/m ³ 8 ore STEL: 13 ppm 15 minute STEL: 80 mg/m ³ 15 minute

Component
Benzyl acetate

Russia - TWA	Slovak Republic	Slovenia	Sweden	Turkey
MAC: 5 mg/m ³				

Biological limit values

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

Derived No Effect Level (DNEL)

No information available.

Predicted No Effect Concentration (PNEC)

No information available.

Exposure controls
Engineering Measures

Ensure adequate ventilation, especially in confined areas Ensure that eyewash stations and safety showers are close to the workstation location

Personal protective equipment

Benzyl acetate
Revision Date 15-Dec-2011
Eye Protection
Hand Protection
Skin and body protection
Respiratory Protection

 Goggles
 Protective gloves
 Wear appropriate protective gloves and clothing to prevent skin exposure
 Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced

Hygiene Measures
Environmental exposure controls

 Handle in accordance with good industrial hygiene and safety practice
 No information available.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance	Colorless
odor	sweet
pH	No information available.
Boiling Point/Range	214°C / 417.2°F @ 760 mmHg
Melting Point/Range	-51°C / -59.8°F
Flash Point	102°C / 215.6°F
Autoignition Temperature	460°C / 860°F
Explosion Limits	
Lower	0.9
Upper	8.4
Water Solubility	1.5 g/l water (20°C)
Specific Gravity	1.055
Molecular Formula	C9 H10 O2
Molecular Weight	150.18

SECTION 10. STABILITY AND REACTIVITY

Reactivity
Chemical Stability

Stable under normal conditions.

Possibility of Hazardous Reactions

Hazardous Polymerization	Hazardous polymerization does not occur.
Hazardous Reactions .	No information available.

Conditions to Avoid

Incompatible products.

Incompatible Materials

Acids, Bases, Strong oxidizing agents, Reducing agents.

Hazardous Decomposition Products



Benzyl acetate

Revision Date 15-Dec-2011

Carbon monoxide (CO). Carbon dioxide (CO₂).

SECTION 11. TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

Acute Toxicity

Component Information

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Benzyl acetate	2490 mg/kg (Rat)	5 g/kg (Rabbit)	

Chronic Toxicity

Carcinogenicity There are no known carcinogenic chemicals in this product

Sensitization No information available.
Mutagenic Effects No information available
Reproductive Effects No information available.
Developmental Effects No information available.
Target Organs No information available.
Other Adverse Effects The toxicological properties have not been fully investigated. See actual entry in RTECS for complete information
Endocrine Disruptor Information None known

SECTION 12. ECOLOGICAL INFORMATION

Toxicity

Ecotoxicity effects

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Benzyl acetate			EC50 = 3.29 mg/L 5 min EC50 = 3.86 mg/L 15 min EC50 = 4.54 mg/L 30 min	

Benzyl acetate

Revision Date 15-Dec-2011

Persistence and degradability

Readily biodegradable

Bioaccumulative potential

No information available.

Component	log Pow
Benzyl acetate	1.96

Mobility in soil**Results of PBT and vPvB assessment****Other adverse effects**

No information available

SECTION 13. DISPOSAL CONSIDERATIONS**Waste treatment methods**

Waste from Residues / Unused Products Dispose of in accordance with local regulations

Contaminated Packaging Empty containers should be taken to local recyclers for disposal

SECTION 14. TRANSPORT INFORMATION

IMDG/IMO Not regulated

ADR Not regulated

IATA Not regulated

SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

Benzyl acetate

Revision Date 15-Dec-2011

International Inventories

Component	EINECS	ELINCS	NLP	TSCA	DSL	NDSL	PICCS	ENCS	CHINA	AICS	KECL
Benzyl acetate	205-399-7	-		X	X	-	X	X	X	X	X

Legend

- TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
- EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
- DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
- PICCS** - Philippines Inventory of Chemicals and Chemical Substances
- ENCS** - Japan Existing and New Chemical Substances
- CHINA** - China Inventory of Existing Chemical Substances
- AICS** - Inventory of Chemical Substances
- KECL** - Existing and Evaluated Chemical Substances

Chemical Safety Assessment

SECTION 16. OTHER INFORMATION

Full text of R-phrases referred to under sections 2 and 3
 R36/37/38 - Irritating to eyes, respiratory system and skin

Revision Date 15-Dec-2011
Revision Summary Not applicable
This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer
 The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet