



Revision Date 15-Dec-2011

**Revision Number** 2

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

Product Identifier Product Description: Cat No. Synonyms

**1,2-Dibromotetrafluorobenzene 311350000; 311350010** None.

Relevant identified uses of the substance or mixture and uses advised againstRecommended UseLaboratory chemicalsUses advised againstNo Information available

Details of the supplier of the safety data sheet Company Acros Organics BVBA Janssen Pharmaceuticalaan 3a 2440 Geel, Belgium E-mail address begel.sds

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 16Symbol(s)Xi - IrritantR-phrase(s)noneRisk Combination PhrasesR36/37/38 - Irritating to eyes, respiratory system and skin



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# **SECTION 2. HAZARDS IDENTIFICATION**



Signal Word

Warning

### **Hazard Statements**

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

### Precautionary Statements - EU (§28, 1272/2008)

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.
1,2-Dibromo-3,4,5,6- tetrafluorobenzene 827-08-7	EEC No. 212- 564-7	99	827-08-7	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





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SECTION 4. FIRST AID MEASURES						
Description of 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 (CO<sub>2</sub>). 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**



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## **SECTION 7. HANDLING AND STORAGE**

# Precautions for Safe Handling

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. Keep away from heat and sources of ignition.

### 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.
Biological limit values	This product, as supplied, does not contain any hazardous materials with biological limits
Derived No Effect Level (DNEL)	established by the region specific regulatory bodies.
Predicted No Effect Concentration	No information available.
(PNEC)	No information available.
Exposure controls	Ensure adequate ventilation, especially in confined areas
Engineering Measures	Goggles
Personal protective equipment	Protective gloves
Eye Protection	Wear appropriate protective gloves and clothing to prevent skin exposure
Hand Protection	Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN
Skin and body protection	149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits
Respiratory Protection	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 Appearance pH Vapor Density Boiling Point/Range Melting Point/Range Flash Point Autoignition Temperature Specific Gravity Molecular Formula Liquid Colorless No information available. 10.62 198°C / 388.4°F No information available. 98°C / 208.4°F No information available. 2.230 C6 Br2 F4

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# **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

**Molecular Weight** 

307.88

# SECTION 10. STABILITY AND REACTIVITY

### Reactivity

Chemical Stability

Stable.

### Possibility of Hazardous Reactions

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

### Conditions to Avoid

Incompatible products.

### Incompatible Materials

Strong oxidizing agents.

### Hazardous Decomposition Products

Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Hydrogen halides. Gaseous hydrogen fluoride (HF).

# **SECTION 11. TOXICOLOGICAL INFORMATION**

### Information on Toxicological Effects

Acute Toxicity

Product Information No acute toxicity information is available for this product

**Component Information** 

**Chronic Toxicity** 

Carcinogenicity There are no known carcinogenic chemicals in this product

SensitizationNo information available.Mutagenic EffectsNo information availableReproductive EffectsNo information available.Developmental EffectsNo information available.

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Target Organs	
Endocrine Disruptor Information	

No information available. None known

# **SECTION 12. ECOLOGICAL INFORMATION**

### Toxicity

**Ecotoxicity effects** 

Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants

### Persistence and degradability

No information available

### **Bioaccumulative potential**

No information available.

### Mobility in soil

No information available.

### 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
ΙΑΤΑ	Not regulated





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# SECTION 14. TRANSPORT INFORMATION

# **SECTION 15. REGULATORY INFORMATION**

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

### International Inventories

Component	EINECS	ELINCS	NLP	TSCA	DSL	NDSL	PICCS	ENCS	CHINA	AICS	KECL
1,2-Dibromo-3,4,5,6-	212-564-7	-		-	-	-	-	-	-	-	-
tetrafluorobenzene											

### 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

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 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

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.





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End of Safety Data Sheet