# SAFETY DATA SHEET



Revision Date 16-Nov-2010

**Revision Number** 2

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier	
Product Description:	
Cat No.	
Synonyms	

**Yttrium(III) chloride hexahydrate 199180000; 199180500; 199182500** Yttrium trichloride hexahydrate.

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.sdsdesk@thermofisher.com

 Emergency Telephone Number

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

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

Emergency Number, Europe: +32 14 57 52 99 Emergency Number, US: 201-796-7100

CHEMTREC Phone Number, US: 800-424-9300 CHEMTREC Phone Number, Europe: 703-527-3887

## 2. HAZARDS IDENTIFICATION

### Classification of the substance or mixture REGULATION (EC) No 1272/2008

Acute oral toxicity	Category 4
Acute dermal toxicity	Category 4
Acute Inhalation Toxicity - Dusts and Mists	Category 4
Skin Corrosion / irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2A
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 mentioned in this Section, see Section 16

 Symbol(s)
 Xn - Harmful

 R -phrase(s)
 none

 Risk Combination Phrases
 R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed

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

## 2. HAZARDS IDENTIFICATION



### Signal Word

Warning

### **Hazard Statements**

H319 - Causes serious eye irritation

H302 - Harmful if swallowed

H335 - May cause respiratory irritation

H332 - Harmful if inhaled

H315 - Causes skin irritation

H312 - Harmful in contact with skin

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

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

P301+ P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

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.

### **3. COMPOSITION/INFORMATION ON INGREDIENTS**

CAS-No Classification GHSCLAS REACH Reg	Weight %	EC No.	Component
0025-94-2 Xn; R20/21/22 STOT SE 3 Xi; R36/37/38 (H335) Skin Irrit. 2	99.99	EEC No. 233- 801-0	
(H315) Eye Irrit. 2 (H319)			
Acute Tox. 4 (H302) Acute Tox. 4			
(H312) Acute Tox. 4			

### For the full text of the R phrases mentioned in this Section, see Section 16

# **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 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

**5. FIRE-FIGHTING MEASURES** 

#### Extinguishing media Suitable Extinguishing Media

Suitable Extinguishing Media

Substance is nonflammable; use agent most appropriate to extinguish surrounding fire.

#### Extinguishing media which must not be used for safety reasons No information available.

### Special hazards arising from the substance or mixture

Non-combustible

### Advice for fire-fighters

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

### 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

Sweep up or vacuum up spillage and collect in suitable container for disposal Do not let this chemical enter the environment

### 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 Do not ingest

### Conditions for safe storage, including any incompatibilities

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

### Specific End Uses

# 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters Exposure limits						
Component	European	Union	The United Kingdom	France	Belgium	Spain
Yttrium chloride (YCl3), hexahydrate						VLA-ED: 1 mg/m <sup>3</sup>
Component	Italy		Portugal	The Netherlands	Finland	Denmark
Yttrium chloride (YCl3), hexahydrate			TWA: 1 mg/m <sup>3</sup>			
Derived No Effect Level (I Predicted No Effect Conce (PNEC) Exposure controls	,		mation available. mation available.			
Engineering Measures			adequate ventilation, e howers are close to the		•	ewash stations and
Personal protective equ	uipment					
Eye Protection Hand Protection Skin and body prot Respiratory Protect	ection tion	Wear ap Follow t 149. Us	ve gloves opropriate protective gl he OSHA respirator res	gulations found in 29 uropean Standard EN	CFR 1910.134 or Eu N 149 approved resp	
Hygiene Measures Environmental exposure			in accordance with goo mation available.	od industrial hygiene a	and safety practice	

# 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State Appearance odor pH Vapor Pressure Vapor Density Boiling Point/Range Melting Point/Range Flash Point Water Solubility Specific Gravity Molecular Formula Molecular Weight Solid White No information available No information available. No information available. No information available. 100°C / 212°F No information available. soluble 2.1800 Cl3 Y . 6 H2 O 303.35

# **10. STABILITY AND REACTIVITY**

Reactivity Chemical Stability Hygroscopic.

Possibility of Hazardous Reactions

# Hazardous PolymerizationNHazardous Reactions .N

No information available. No information available.

#### Conditions to Avoid Incompatible products, Exposure to moist air or water.

### Incompatible Materials Strong oxidizing agents.

Hazardous Decomposition Products Hydrogen chloride gas.

Information on Toxicological Effects

# **11. TOXICOLOGICAL INFORMATION**

No acute toxicity information is available for this product
There are no known carcinogenic chemicals in this product
No information available.
No information available
No information available.
No information available. No information available.
The toxicological properties have not been fully investigated. See actual entry in RTECS for
complete information
None known

# **12. ECOLOGICAL INFORMATION**

Toxicity Ecotoxicity effects

Do not empty into drains

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

# **13. DISPOSAL CONSIDERATIONS**

Waste treatment methods	
Waste from Residues / Unused	Dispose of in accordance with local regulations
Products Contaminated Packaging	Empty containers should be taken for local recycling, recovery or waste disposal

### **14. TRANSPORT INFORMATION**

#### IMDG/IMO

UN-No	3288
Hazard Class	6.1
Packing Group	III
Proper Shipping Name	TOXIC SOLID, INORGANIC, N.O.S.

#### ADR

UN-No	3288
Hazard Class	6.1
Packing Group	111
Proper Shipping Name	TOXIC SOLID, INORGANIC, N.O.S.

### IATA

UN-No	3288
Hazard Class	6.1
Packing Group	III
Proper Shipping Name	TOXIC SOLID, INORGANIC, N.O.S.*

### **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
Yttrium chloride (YCI3),	233-801-0	-		-	-	-	-	-	-	-	-
hexahydrate											

### Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

**EINECS/ELINCS** - European Inventory Lists

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**

### **16. OTHER INFORMATION**

### Text of R phrases mentioned in Section 2-3

R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed R36/37/38 - Irritating to eyes, respiratory system and skin

 Revision Date
 16-Nov-2010

 Revision Summary
 Not applicable

 This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

 Disclaimer

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End of Safety Data Sheet