

Revision Date 16-Nov-2010

Revision Number 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product Identifier

Product Description:

Isatoic anhydride

Cat No.

122480000; 122480050; 122481000; 122485000

Synonyms

N-Carboxyanthranilic Anhydride

### 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: 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

Serious Eye Damage/Eye Irritation	Category 2A
Skin Sensitization	Category 1

### 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)

Xi - Irritant

R -phrase(s)

R36 - Irritating to eyes

R43 - May cause sensitization by skin contact

### Label Elements

## 2. HAZARDS IDENTIFICATION



### Signal Word

Warning

### Hazard Statements

H319 - Causes serious eye irritation

H317 - May cause an allergic skin reaction

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

P310 - Immediately call a POISON CENTER or doctor/physician

P280 - Wear eye protection/face protection

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

Component	EC No.	Weight %	CAS-No	Classification	GHSCLAS	REACH Reg. No.
2H-3,1-Benzoxazine-2,4(1H)-dione	EEC No. 204-255-0	98	118-48-9	Xi;R36 R43	Eye Irrit. 2 (H319) Skin Sens. 1 (H317)	

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

#### Skin Contact

Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes

#### Ingestion

Do not induce vomiting Never give anything by mouth to an unconscious person Drink plenty of water If possible drink milk afterwards

#### Inhalation

Remove from exposure, lie down Move to fresh air

#### Notes to Physician

Treat symptomatically

## 5. FIRE-FIGHTING MEASURES

### Extinguishing media

#### **Suitable Extinguishing Media**

Water spray Carbon dioxide (CO<sub>2</sub>) Dry chemical alcohol-resistant 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 Thermal decomposition can lead to release of irritating gases and vapors

## 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

## 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Avoid contact with skin and eyes Avoid contact with clothing Remove and wash contaminated clothing before re-use Avoid breathing vapors or mists Do not ingest Wash thoroughly after handling

### 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**

This product, as supplied, does not contain any hazardous materials with occupational exposure 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 Ventilation systems

#### **Personal protective equipment**

##### **Eye Protection**

Safety glasses with side-shields Goggles

##### **Hand Protection**

Protective gloves

##### **Skin and body protection**

Long sleeved clothing

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****Respiratory Protection**

Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode with emergency escape provisions

**Hygiene Measures**

Handle in accordance with good industrial hygiene and safety practice

**Environmental exposure controls**

No information available.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Physical State**

Powder, Solid

**Appearance**

Beige

**odor**

odorless

**pH**

No information available.

**Vapor Density**

5.6

**Boiling Point/Range**

No information available.

**Melting Point/Range**

233°C / 451.4°F

**Decomposition temperature**

> 350°C

**Flash Point**

308°C / 586.4°F

**Water Solubility**

decomposes

**Molecular Formula**

C8 H5 N O3

**Molecular Weight**

163.13

**10. STABILITY AND REACTIVITY****Reactivity****Chemical Stability**

Stable under normal conditions. Moisture sensitive.

**Possibility of Hazardous Reactions****Hazardous Polymerization**

No information available.

**Hazardous Reactions .**

No information available.

**Conditions to Avoid**

Incompatible products, Exposure to moist air or water.

**Incompatible Materials**

Strong oxidizing agents, Strong acids, Strong bases.

**Hazardous Decomposition Products**

Nitrogen oxides (NOx). Thermal decomposition can lead to release of irritating gases and vapors. Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

**11. TOXICOLOGICAL INFORMATION****Information on Toxicological Effects****Acute Toxicity****Product Information**

No acute toxicity information is available for this product

**Component Information****Component**

2H-3,1-Benzoxazine-2,4(1H)-dione

LD50 Oral	LD50 Dermal	LC50 Inhalation
2500 mg/kg ( Rat )	2000 mg/kg ( Rabbit )	192 mg/L ( Rat ) 1 h 0.255 mg/L ( Rat ) 4 h

**Chronic Toxicity****Carcinogenicity**

There are no known carcinogenic chemicals in this product

**Sensitization**

May cause sensitization by skin contact

**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.

**Endocrine Disruptor Information**

None known

**12. ECOLOGICAL INFORMATION****Toxicity****Ecotoxicity effects**

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
2H-3,1-Benzoxazine-2,4(1H)-dione	14.5 mg/L EC50 = 72 h 16 mg/L EC50 = 96 h	46-100 mg/L LC50 96 h	EC50 = 234 mg/L 30 min	86 mg/L EC50 = 48 h

**Persistence and degradability**

No information available

**Bioaccumulative potential**

No information available.

Component	log Pow
2H-3,1-Benzoxazine-2,4(1H)-dione	1.26

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

No information available

**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 for local recycling, recovery or waste disposal

**14. TRANSPORT INFORMATION****IMDG/IMO**

Not regulated

**ADR**

Not regulated

**14. TRANSPORT INFORMATION**IATA

Not regulated

**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
2H-3,1-Benzoxazine-2,4(1H)-dione	204-255-0	-		X	-	X	X	X	X	X	-

**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**

R36 - Irritating to eyes

R43 - May cause sensitization by skin contact

**Revision Date**

16-Nov-2010

**Revision Summary**

Not applicable

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

The information provided on this SDS 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