a b P the the t
3-carboxylic acid ethyl ester
f swallowed
hing if present and easy to do, continue
E
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4. FIRST AID MEASURES

Description of first aid r	<u>neasures</u>
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, Obtain medical attention
Inhalation	Remove from exposure, lie down. Move to fresh air if breathing is difficult, give oxygen if not breathg, give
	artificial respiration, Obtain medical attention

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable Extinguishing Media

Water spray Carbon dioxide (CO2) Dry 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 vapours

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 spillage and collect in suitable container for disposal. Use suitable absorbent if required. Do not let this chemical enter the environment

7. HANDLING AND STORAGE

Precautions for Safe Handling

Avoid contact with skin and eyes. Do not breath dust. Do not breath vapours or spray mist. Do not ingest <u>Conditions for Safe Storage, including and incompatibilities</u>

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters Exposure limits Derived No Effect Level (DNEL) Predicted No Effect Concentration (PNEC)

Not applicable No information available No information available

Goggles

Exposure Controls Engineering Measures

Personal Protective Equipment

- 1. Eye protection
- 2. Hand protection
- 3. Skin and body protection
- 4. Respiratory protection

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.

Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations

Hygiene Measures Environmental Exposure Controls Handle in accordance with good industrial hygiene practice No information available

and safety showers are close to workstation location.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	solid
Appearance	white
Boiling Point/Range	
Melting Point/Range	
Flash Point	
Molecular Formula	C14H17NO4
Molecular Weight	263.30

10. STABILITY AND REACTIVITY

<u>Reactivity</u> <u>Chemical Stability</u> Stable under normal conditions

Possibility of Hazardous Reactions

Hazardous PolymerizationNo infoHazardous ReactionsNo infoConditions to AvoidIncompatible products. Heat.Incompatible MaterialsAcids, bases, strong oxidizing agents, strong reducing agents,Hazardous Decomposition ProductsIn combustion emits toxic fumes.

No information available No information available

11. TOXICOLOGICAL INFORMATION	
Information on Toxicological Effects	
Acute Toxicity	
Product Information	No acute toxicity information available for product
Component Information	
Chronic Toxicity	
Carcinogenicity	There are no known carcinogenic chemicals in 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
Endocrine Disruptor Information	None known
12. ECOLOGICAL INFORMATION	
<u>Toxicity</u>	
Eco-toxicity Effects	Do not empty into drains
Persistence and Degradability	No information available

No information available

No information available

No information available

Eco-toxicity Effects
Persistence and Degradability
Bio-accumulative Potential
Mobility in Soil
Other adverse effects

13. DISPOSAL CONSIDERATIONS Waste Treatment Methods Waste from Residues/Unused Products Contaminated Packaging

Dispose of in accordance with local regulations Empty containers should be taken for local recycling, recovery or waste disposal

14. TRANSPORT INFORMATION

IMDG/IMO Not regulated ADR Not regulated IATA Not regulated

15. REGULATORY INFORMATION

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

Chemical Safety Assessment

A Chemical safety assessment has not been carried out.

International Inventories

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
 29-Mar-2012

 Revision Summary
 Not Applicable

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

Disclaimer

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