

Section 7.5.1.3 **Terrestrial plant toxicity**
Annex Point IIIA XIII 3.4

JUSTIFICATION FOR NON-SUBMISSION OF DATA

Official
use only

Other existing data [] Technically not feasible [] Scientifically unjustified [X]
Limited exposure [X] Other justification []

Detailed justification:



X

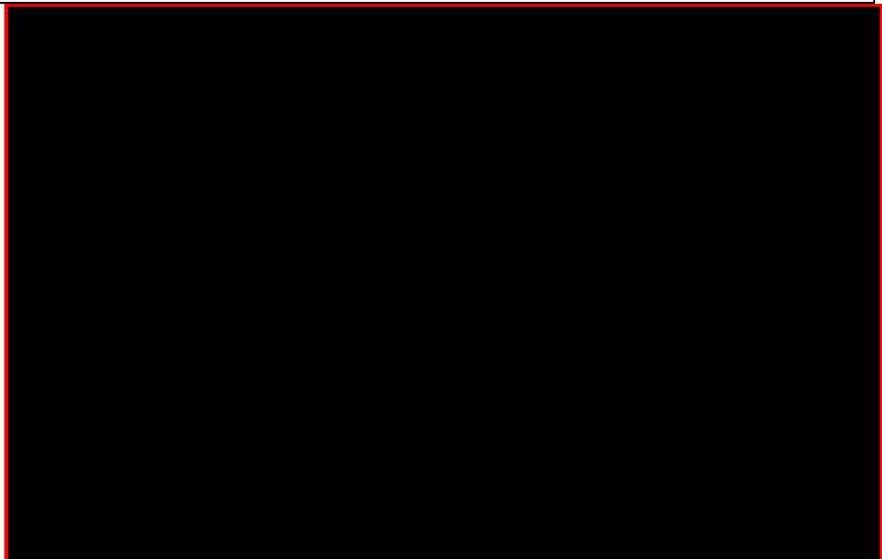
Undertaking of intended
data submission []

Evaluation by Competent Authorities

Date
Evaluation of applicant's
justification

Conclusion

Remarks



Section A8

Measures necessary to protect man, animals and the environment

**Subsection
(Annex Point)**

8.1

Recommended methods and precautions concerning handling, use, storage, transport or fire (IIA8.1)

Official use only

8.1.0 Methods and precautions concerning placing on the market

On the basis of available information decanoic acid will not cause any significant health or environmental effects when used according to instructions provided by the supplier.

x

However, because decanoic acid is classified as irritant to skin and eyes personal protection equipment (PPE) is strongly recommended when handling the substance.

8.1.1 Methods and precautions concerning production, handling and use of the active substance

Technical Measures:

- Local exhaust and general ventilation must be adequate to meet exposure standards. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
- Wear suitable protecting clothing resistant to acids. Use neoprene or rubber gloves (EN 374). Taking into account the diversity of the types, it is necessary to respect the instructions of the manufacturers.
- Chemical goggles or face shield with safety glasses.
- Trained cleaning personnel properly equipped with eye protection should handle spills.
- Prevent entry to sewers and public waters.
- After spillage / leakage: Clean up any spills as soon as possible, using an absorbent material (earth, sand, ...) to collect the spill. Use suitable disposal containers.

8.1.2 Methods and precautions concerning storage of the active substance

Storage conditions:

- Store on a clean area allowing recuperation of leaks and effusion.
- Protect from freezing. Provide local exhaust or general room ventilation to minimize dust and/or vapour concentrations. Keep container closed when not in use.
- Handle in accordance with good industrial hygiene and safety procedures. Ensure prompt removal from eyes, skin and clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking, smoking and when leaving work.

Packaging material: Use containers made of polyethylene or polypropylene, certified for use with acid.

8.1.3 Methods and precautions concerning transport of the

Transport information: not hazardous for transport

Proper shipping name: n.a.

UN Nr.: n.a.

H.I. Nr.: n.a.

x

Section A8 **Measures necessary to protect man, animals and the environment**


		Official use only
active substance	Class: n.a. Packing group: n.a. EMS: n.a. MFAG-Nr: n.a. Hazard Label(s): n.a.	
8.1.4 Methods and precautions concerning fire of the active substance	Fire – fighting measures <ul style="list-style-type: none">• <u>Extinguishing media</u>: Use extinguishing media appropriate for surrounding fire.• <u>Special exposure hazards</u>: May release heat and harmful fumes.• <u>Protection against fire</u>: Wear proper protective equipment.• <u>Special procedures</u>: Exercise caution when fighting any chemical fire.	
8.2	In case of fire, nature of reaction products, combustion gases, etc. (IIA8.2) <ul style="list-style-type: none">• Contains no organically bound halogen.	x
8.3	Emergency measures in case of an accident (IIA8.3)	
8.3.1 Specific treatment in case of an accident, e.g. first-aid measures, antidotes, medical treatment if available	<ul style="list-style-type: none">• <u>Inhalation</u>: Remove to fresh air. Allow the affected person to rest. Not expected to require first aid measures.• <u>Skin contact</u>: Remove contaminated clothing and shoes. Flush with plenty of water. Obtain medical attention. <p><u>Eye contact</u>: Rinse immediately with plenty of water during 15 minutes and keep the eyelids open. (Keep a bottle of water at hand). Seek medical attention immediately.</p> <p><u>Ingestion</u>: Rinse mouth. DO NOT INDUCE VOMITING Take to hospital.</p>	x
8.3.2 Emergency measures to protect the environment	<ul style="list-style-type: none">• Prevent entry into sewers and public waters.• Clean up any spills as soon as possible, using an absorbent material (earth, sand, ...) to collect the spill. Use suitable disposal containers.	
8.4	Possibility of destruction or decontamination following release in or on the following: (a) Air; (b) Water, including drinking water; (c) Soil (IIA8.4)	
8.4.1 Possibility of destruction or decontamination following release in the air	Decanoic acid has a low vapour pressure; accidental release into air does not lead to hazardous vapour concentrations. Clean up any spills as soon as possible, using an absorbent material (earth, sand, ...) to collect the spill.	
8.4.2 Possibility of destruction or decontamination following release in water, including drinking water	Decanoic acid is readily biodegradable and has a low toxicity. Once diluted to non-irritating concentration no harmful effects are expected.	

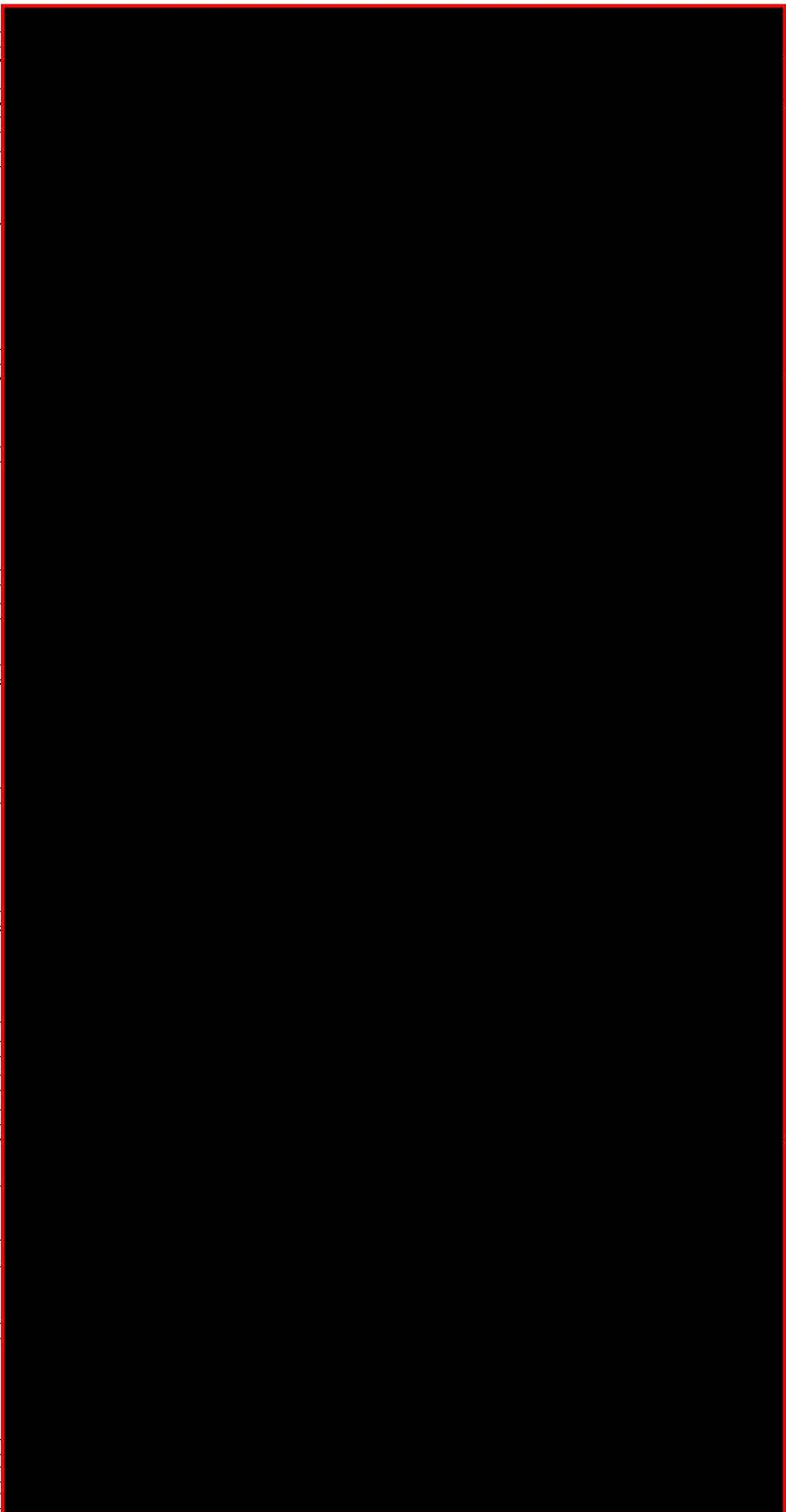
Section A8

Measures necessary to protect man, animals and the environment

		Official use only
8.4.3	Possibility of destruction or decontamination following release in or on soil	x
Dilution with water to neutralise the low pH is recommended.		
8.5	Procedures for waste management of the active substance for industry or professional users e.g. possibility of re-use or recycling, neutralisation, conditions for controlled discharge, and incineration (IIA8.5)	
8.5.1	Possibility of re-use or recycling	
Reuse is not intended.		
Unused material may be returned to the manufacturer.		
8.5.2	Possibility of neutralisation of effects	
Dilute with copious of water to lower the acidity.		
8.5.3	Conditions for controlled discharge including leachate qualities on disposal	
Diluted solution can be released after neutralisation to a STP.		
8.5.4	Conditions for controlled incineration	
Decanoic acid could be safely incinerated in a licensed facility.		
8.6	Observations on undesirable or unintended side-effects, e.g. on beneficial and other non-target organisms (IIA8.6)	x
Decanoic acid is a substance with low toxicity. Spraying of a solution of decanoic acid on plants is known to have harmful effects and is therefore mentioned in the use instruction.		
8.7	Identification of any substances falling within the scope of List I or List II of the Annex to Directive 80/68/EEC on the protection of groundwater against pollution caused by certain dangerous substances (IIA8.7)	
Decanoic acid falls under List II of the Annex to Directive 80/98/EEC		

Evaluation by Competent Authorities	
	Evaluation by Rapporteur Member State
Date	June 2010
Corrections	<p>8.1.0</p> <p>For details on health or environmental effects, please see Doc. II-A chapters 3 and 4.</p> <p>8.1.4.</p> <p>Entries should be replaced by P-phrases in doc IIA-1-5:</p> <p>P264 Wash thoroughly after handling</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310: Immediately call a POISON CENTER or doctor/physician</p> <p>P302+P352: IF ON SKIN: Wash with plenty of soap and water.</p> <p>P332 + P313: If skin irritation occurs, get medical advice/attention</p> <p>P362 Take off contaminated clothing and wash before reuse.</p> <p>8.1.3 This information was not reviewed, as under this point only "... transport must take into account any surface which could directly or indirectly come in contact with the product" is requested. Appropriate container material for transport of the active substance: polyethylene or polypropylene, certified for use with acid (Study A3/14)</p> <p>8.2 Expected combustion gases: CO₂, H₂O (complete combustion)</p> <p>8.4.3 Possibility of destruction or decontamination following release in or on soil</p> <p>Decanoic acid is readily biodegradable. A K_{oc} could not be determined, due to rapid degradation in soil.</p> <p>8.6 Observations on undesirable or unintended side-effects, e.g. on beneficial and other non-target organisms (IIA8.6):</p> <p>PT19: Spraying of a solution of Decanoic acid on plants is known to have harmful effects and should therefore be mentioned in the use instruction.</p>
Conclusion	Agree with the applicant's version with the amendments given above.
Reliability	n.a.
Acceptability	Acceptable
Remarks	-

Section A9		Proposals including Justification for the Proposals for the Classification and Labelling of the Active Substance according to Council Directive 67/548/EEC		
Classification and Labelling				Official use only
Hazard symbol		Xi		x
Indication of danger		irritant		
Labelling symbol				
Risk phrases		R36/38	Irritating to eyes and skin.	x
Safety phrases		S2	Keep out of the reach of children.	
		S24/25	Avoid contact with skin and eyes.	
		S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.	
Justification for the proposal				
Xi		Substances and preparations shall be classified as irritant and assigned the symbol 'Xi' and the indication of danger 'irritant' in accordance with the criteria given in ANNEX VI - GENERAL CLASSIFICATION AND LABELLING REQUIREMENTS FOR DANGEROUS SUBSTANCES AND PREPARATIONS.		
R36		Substances and preparations which, when applied to the eye of the animal, cause significant ocular lesions which occur within 72 hours after exposure and which persist for at least 24 hours. Ocular lesions are significant if the mean scores of the eye irritation test cited in Annex V have any of the following values: - cornea opacity equal to or greater than 2 but less than 3, - iris lesion equal to or greater than 1 but not greater than 1,5, - redness of the conjunctivae equal to or greater than 2,5, - oedema of the conjunctivae (chemosis) equal to or greater than 2, in tests observations as listed above have been observed; their magnitude was not as such to indicate a higher danger.		x
R38		Substances and preparations which cause significant inflammation of the skin which persists for at least 24 hours after an exposure period of up to four hours determined on the rabbit according to the cutaneous irritation test method cited in Annex V. For decanoic acid the score of skin reaction in the most relevant test results in the classification for R38.		x
		No other risk phrases are applicable since the available data would not lead to classification (see also DOC IIA).		
S2		Required for all dangerous substances (S13 will not apply as the danger irritant does not apply for food contact)		
S24/25		Recommended for substances and preparation irritating to skin and eyes.		
S36/37/39		Recommended for substances and preparation irritating to skin and eyes.		

Evaluation by Competent Authorities	
	
Date	
Risk phrases	
Conclusion	
Remarks	

	Evaluation by Competent Authorities
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