

## Justification for the selection of a candidate CoRAP substance

<b>Substance Name (Public Name):</b>	HDI oligomers, isocyanurate
<b>Chemical Group:</b>	Organics
<b>EC Number:</b>	931-274-8
<b>CAS Number:</b>	
<b>Submitted by:</b>	Slovenia
<b>Published:</b>	20/03/2013

### Note

This document has been prepared by the evaluating Member State given in the CoRAP update.

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## 1 IDENTITY OF THE SUBSTANCE

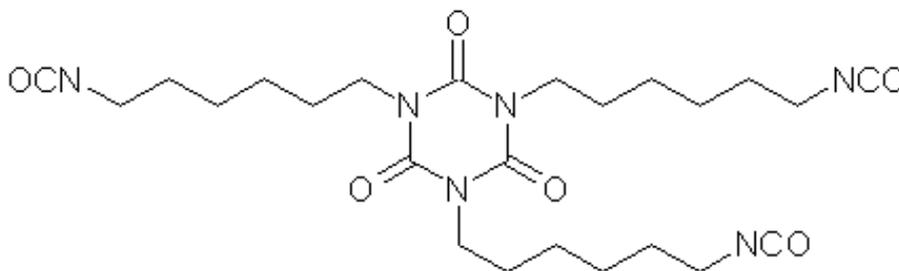
### 1.1 Name and other identifiers of the substance

Table 1: Substance identity

<b>Public Name:</b>	HDI oligomers, isocyanurate
<b>EC number:</b>	931-274-8
<b>EC name:</b>	HDI oligomers, isocyanurate
<b>CAS number (in the EC inventory):</b>	
<b>CAS number:</b>	
<b>CAS name:</b>	
<b>IUPAC name:</b>	HDI oligomers, isocyanurate
<b>Index number in Annex VI of the CLP Regulation</b>	
<b>Molecular formula:</b>	$(C_8H_{12}N_2O_2)_n$
<b>Molecular weight or molecular weight range:</b>	$\geq 168.19$
<b>Synonyms:</b>	Hexamethylene diisocyanate, oligomers (isocyanurate type)

**Type of substance**     Mono-constituent     Multi-constituent     UVCB

**Structural formula:**



## **2 CLASSIFICATION AND LABELLING**

### **2.1 Harmonised Classification in Annex VI of the CLP**

Not classified.

### **2.2 Proposal for Harmonised Classification in Annex VI of the**

None.

### **2.3 Self classification**

According to CLP criteria:

Skin Sens. 1; H317: May cause an allergic skin reaction.

Acute Tox. 4; H332: Harmful if inhaled.

STOT Single Exp. 3; H335: May cause respiratory irritation.

According to DSD criteria:

R20 - harmful by inhalation

R37 - irritating to respiratory system

R43 - may cause sensitisation by skin contact

There is no information available for the substance in the classification and labelling inventory database.

## **3 JUSTIFICATION FOR THE SELECTION OF THE CANDIDATE CoRAP SUBSTANCE**

### **3.1 Legal basis for the proposal**

Article 44(1) (refined prioritisation criteria for substance evaluation)

Article 45(5) (Member State priority)

### 3.2 Grounds for concern

<input type="checkbox"/> (Suspected) CMR	<input checked="" type="checkbox"/> Wide dispersive use	<input type="checkbox"/> Cumulative exposure
<input type="checkbox"/> (Suspected) Sensitiser	<input type="checkbox"/> Consumer use	<input type="checkbox"/> High RCR
<input checked="" type="checkbox"/> (Suspected) PBT	<input type="checkbox"/> Exposure of sensitive populations	<input checked="" type="checkbox"/> Aggregated tonnage
<input type="checkbox"/> Suspected endocrine disruptor	<input type="checkbox"/> Other (provide further details below)	

The substance could be vP and could be vB. There is potential for wide dispersive use from professional uses. The aggregated tonnage is high.

Summary of P assessment:

- Not readily biodegradable (1% biodegradation in 28 days)
- is not expected that biodegradation will occur in a simulation test for water and sediment

CONCLUSION

Definitive criteria for P/vP appear to be met  
Screening criteria for P are met and no data available to conclude on definitive criteria:

Summary of B assessment:

- Calculated log Pow value of 9.81

CONCLUSION

Screening criteria for B (e.g. log Kow >4.5) are met and no data available to conclude on definitive criteria

Summary of T assessment:

- There is one aquatic toxicity test for algae available which counts as a chronic test. A 72 h-EC10 value of 110 mg/l is given for algae (Bayer AG, 1989).

CONCLUSION

Neither definitive nor screening criteria for T appear to be met

### 3.3 Information on aggregated tonnage and uses

<input type="checkbox"/> 1 – 10 tpa	<input type="checkbox"/> 10 – 100 tpa	<input type="checkbox"/> 100 – 1000 tpa
<input type="checkbox"/> 1000 – 10,000 tpa	<input checked="" type="checkbox"/> 10,000 – 100,000 tpa	
<input type="checkbox"/> 100,000 – 1000,000 tpa	<input type="checkbox"/> > 1000,000 tpa	
<input type="checkbox"/> Confidential		
<input checked="" type="checkbox"/> Industrial use	<input checked="" type="checkbox"/> Professional use	<input type="checkbox"/> Consumer use
		<input type="checkbox"/> Closed System

- PROC 15 (use as laboratory reagent)
- Industrial End Uses with PROCs 10, 11, 13, 15
- Also professional end uses lead to wide dispersive indoor and outdoor uses (Roller application or brushing Treatment of articles by dipping and pouring, Use as laboratory reagent)

### 3.4 Other completed/ongoing regulatory processes that may affect suitability for substance evaluation

<input type="checkbox"/> Compliance check	<input type="checkbox"/> Dangerous substances Directive 67/548/EEC
<input type="checkbox"/> Testing proposal	<input type="checkbox"/> Existing Substances Regulation 793/93/EEC
<input type="checkbox"/> Annex VI (CLP)	<input type="checkbox"/> Plant Protection Products Regulation 91/414/EEC
<input type="checkbox"/> Annex XV (SVHC)	<input type="checkbox"/> Biocidal Products Directive 98/8/EEC
<input type="checkbox"/> Annex XIV (Authorisation)	<input type="checkbox"/> Other (provide further details below)
<input type="checkbox"/> Annex XVII (Restriction)	

### 3.5 Information to be requested to clarify the suspected risk

<input type="checkbox"/> Information on toxicological properties	<input type="checkbox"/> Information on physico-chemical properties
<input checked="" type="checkbox"/> Information on fate and behaviour	<input type="checkbox"/> Information on exposure
<input type="checkbox"/> Information on ecotoxicological properties	<input type="checkbox"/> Information on uses
<input type="checkbox"/> Other (provide further details below)	

### 3.6 Potential follow-up and link to risk management

<input type="checkbox"/> Restriction	<input type="checkbox"/> Harmonised C&L	<input type="checkbox"/> Authorisation	<input checked="" type="checkbox"/> Other (provide further details)
Identification as SVHC			