

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by  
Commission Regulation (EU) 2020/878

# SAFETY DATA SHEET

FOR PROFESSIONAL and/or INDUSTRIAL USE ONLY

VERSATIC™ Acid 10

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Product name : VERSATIC™ Acid 10  
SDS Number : V9113  
Index number : Not available  
EC number : 248-093-9  
CAS number : 26896-20-8  
REACH Registration number : 01-2119449554-33-0001  
  
Product type : Acid

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Product use : Industrial use.

### 1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier/Importer : Hexion VAD B.V.  
Seattleweg 17  
3195 ND Pernis - Rotterdam  
The Netherlands

Contact person : service@hexion.com  
Telephone : General information  
+31 10 3136 500

### 1.4

Emergency telephone number :  
Supplier : CARECHEM24  
Telephone number : +44 (0) 1235 239 670

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

### **Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]**

Not classified.

See Section 16 for the full text of the H statements declared above.

#### **2.2 Label elements**

**Signal word** : No signal word.  
**Hazard statements** : No known significant effects or critical hazards.

#### **Precautionary statements**

**Prevention** : Not applicable.  
**Response** : Not applicable.  
**Storage** : Not applicable.  
**Disposal** : Not applicable.

**Hazardous ingredients** : neodecanoic acid

**Supplemental label elements** : Not applicable.

#### **2.3 Other hazards**

**Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII** : No.

**Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII** : No.

**Other hazards which do not result in classification** : None known.

## **SECTION 3: Composition/information on ingredients**

**3.1 Substances** : UVCB

**Product name** : VERSATIC™ Acid 10

<b>Product/ingredient name</b>	<b>Identifiers</b>	<b>%</b>	<b>Classification</b>	<b>Specific Conc. Limits, M-factors and ATEs</b>	<b>Type</b>
neodecanoic acid	EC : 248-093-9 CAS : 26896-20-8	100	Not classified.	-	[1]

See Section 16 for the full text of the H statements declared above.

There are no additional ingredients present which, within the current knowledge of the supplier, are classified and contribute to the classification of the substance and hence require reporting in this section.

#### Type

[1] Constituent

Occupational exposure limits, if available, are listed in Section 8.

## **SECTION 4: First aid measures**

### **4.1 Description of first aid measures**

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
- Ingestion** : Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
- Protection of first aid personnel** : No action shall be taken involving any personal risk or without suitable training.

### **4.2 Most important symptoms and effects, both acute and delayed**

#### **Potential acute health effects**

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

#### **Over-exposure signs/symptoms**

- Eye contact** : No specific data.
- Inhalation** : No specific data.
- Skin contact** : No specific data.
- Ingestion** : No specific data.

### **4.3 Indication of any immediate medical attention and special treatment needed**

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.

## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

- Suitable extinguishing media** : Use dry chemical, CO<sub>2</sub>, alcohol-resistant foam or water spray (fog).

**Unsuitable extinguishing media** : Do not use water jet.

## 5.2 Special hazards arising from the substance or mixture

**Hazards from the substance or mixture** : In a fire or if heated, a pressure increase will occur and the container may burst.  
**Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide

## 5.3 Advice for firefighters

**Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.  
**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.  
**Additional information** : Not available

# SECTION 6: Accidental release measures

## 6.1 Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.  
**For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**6.2 Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

## 6.3 Methods and material for containment and cleaning up

**Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.  
**Large spill** : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor.

**6.4 Reference to other sections** : See Section 1 for emergency contact information.  
See Section 8 for information on appropriate personal protective equipment.  
See Section 13 for additional waste treatment information.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see section 8 of SDS).
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10 of SDS) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

### 7.3 Specific end use(s)

- Recommendations** : Not available
- Industrial sector specific solutions** : Not available

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limits

No exposure limit value known.

- Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

#### DNELs/DMELs

Product/ingredient name	Type	Exposure	Value	Population	Effects
neodecanoic acid	DNEL	Long term Dermal	7.41 mg/kg bw/day	Workers	Systemic
neodecanoic acid	DNEL	Long term	22.04 mg/m <sup>3</sup>	Workers	Systemic

		Inhalation			
neodecanoic acid	DNEL	Long term Dermal	1.06 mg/kg bw/day	General population	Systemic
neodecanoic acid	DNEL	Long term Inhalation	6.52 mg/m <sup>3</sup>	General population	Systemic
neodecanoic acid	DNEL	Long term Oral	1.88 mg/kg bw/day	General population	Systemic

**DNEL/DMEL Summary** : Not available

### PNECs

Product/ingredient name	Type	Compartment Detail	Value	Method Detail
neodecanoic acid	PNEC	Fresh water	0.478 mg/l	
neodecanoic acid	PNEC	Marine	0.0478 mg/l	

**PNEC Summary** : Not available

### **Derived No-Effect Levels' (DNEL's) and Predicted No-Effect Concentrations' (PNEC's)**

#### **Explanatory note:**

REACH requires manufacturers and importers to establish and report 'Derived No-Effect Levels' (DNEL's) for humans by inhalation, ingestion and dermal routes of exposure and 'Predicted No-Effect Concentrations' (PNEC's) for environmental exposure. DNEL's and PNEC's are established by the registrant without an official consultation process, and are not intended to be directly used for setting workplace or general population exposure limits. They are primarily used as input values in running Quantitative Risk Assessment models (like the ECETOC-TRA model).

Due to differences in calculation methodology the DNEL will tend to be lower (sometimes significantly) than any corresponding health-based OEL for that chemical substance. Further although DNEL's (and PNEC's) are an indication for setting risk reduction measures, it should be recognized that these limits do not have the same regulatory application as officially endorsed governmental OEL's.

## **8.2 Exposure controls**

**Appropriate engineering controls** : No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

### Individual protection measures

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

### Skin protection

**Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Material: 730 Camatril  
Minimum break through time: 480 min

Material: 898 Butoject  
Minimum break through time: 480 min  
Producer: This recommendation is valid only for our Product as delivered. If this product will be mixed with other substances you need to contact a supplier of CE approved protective gloves (e.g. KCL GmbH, D-36124 Eichenzell, Tel. 0049 (0) 6659 87300, Fax. 0049 (0) 6659 87155, email: vertrieb@kcl.de).

- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

- Physical state** : Liquid  
**Color** : Colorless/Colourless
- Odor** : strong  
**Odor threshold** : Not available
- pH** : Not available
- Melting point/freezing point** : Less than -30 °C
- Initial boiling point and boiling range** : 270 - 280 °C  
**Flash point** : 129 °C
- Evaporation rate** : Not available
- Upper/lower flammability or explosive limits** : **Lower:** Not available  
**Upper:** Not available
- Vapor pressure** : < 1 Pa @ 20 °C
- Vapor density** : 5.9 [Air = 1]
- Relative density** : Not available

<b>Density</b>	:	910 kg/m <sup>3</sup>
<b>Solubility(ies)</b>	:	Not available (not measured)
<b>Solubility in water</b>	:	@ 25 °C Negligible
<b>Partition coefficient: n-octanol/water</b>	:	Not available (not measured)
<b>Auto-ignition temperature</b>	:	Not available
<b>Decomposition temperature</b>	:	Not available (not measured)
<b>Viscosity</b>	:	<b>Dynamic:</b> Not available <b>Kinematic:</b> 45 mm <sup>2</sup> /s @ 20 °C
<b>Explosive properties</b>	:	Not available (not measured)
<b>Oxidizing properties</b>	:	Not available (not measured)
<b><u>Particle characteristics</u></b>		
<b>Median particle size</b>	:	Not applicable.

## 9.2 Other information

No additional information.

## SECTION 10: Stability and reactivity

<b>10.1 Reactivity</b>	:	Stable under normal conditions.
<b>10.2 Chemical stability</b>	:	The product is stable.
<b>10.3 Possibility of hazardous reactions</b>	:	Under normal conditions of storage and use, hazardous reactions will not occur.
<b>10.4 Conditions to avoid</b>	:	No specific data.
<b>10.5 Incompatible materials</b>	:	No specific data.
<b>10.6 Hazardous decomposition products</b>	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
neodecanoic acid				
	LD50 Oral	Rat - male and female	2,066 mg/kg OECD-Guideline 401 (Acute Oral Toxicity)	-
	LD50 Oral	Rat	2,066 mg/kg	-



			OECD-Guideline 401 (Acute Oral Toxicity)	
	LC50 Inhalation	Rat - Male	3 mg/l 403 Acute Inhalation Toxicity	6 h
	LD50 Dermal	Rat - male and female	> 3,640 mg/kg	-
<b>Remarks - Dermal:</b>	In this study male and female rats were exposed to 4 ml/kg (3640 mg/kg) neodecanoic acid via an occluded dermal patch for 24 hours. After 24 hours, the patch was removed and clinical observations were made once daily for 9 days. There were no deaths observed in this study and there were no signs of a toxicity response. It is concluded that the LD50 is greater than 3640 mg/kg.			
	LD50 Dermal	Rat	> 3,640 mg/kg	-

**Conclusion/Summary** : Not available

**Acute toxicity estimates**

Product/ingredient name	Oral	Dermal	Inhalation (gases)	Inhalation (vapors)	Inhalation (dusts and mists)
VERSATIC™ Acid 10	2,066 mg/kg	N/A	N/A	N/A	N/A

**Irritation/Corrosion**

Product/ingredient name	Result	Species	Score	Exposure	Observation
neodecanoic acid	Skin - Erythema/Eschar	Rabbit	0.72	4 hrs	24 - 72 hrs
	Skin - Edema	Rabbit	0	4 hrs	24 - 72 hrs
	eyes - Cornea opacity 405 Acute Eye Irritation/Corrosion	Rabbit	0		1 - 72 hrs
	eyes - Iris lesion 405 Acute Eye Irritation/Corrosion	Rabbit	0		1 - 72 hrs
	eyes - Redness of the conjunctivae 405 Acute Eye Irritation/Corrosion	Rabbit	0.67		1 - 72 hrs
	eyes - Edema of the conjunctivae 405 Acute Eye Irritation/Corrosion	Rabbit	0.33		1 - 72 hrs

**Conclusion/Summary**

**Skin** : Not available  
**eyes** : Not available  
**Respiratory** : Not available

**Sensitization**

Product/ingredient name	Route of exposure	Species	Result
neodecanoic acid	Skin	Guinea pig	Not sensitizing
<b>Remarks:</b>	In this study, neodecanoic acid was examined for skin sensitization potential in the guinea pig maximization procedure of Magnusson and Kligman. A preliminary screen was carried out to determine the concentrations of test material to be used for intradermal induction, topical induction, and topical		

	<p>challenge. Two male and female guinea pigs were used for each test concentration.</p> <p>Groups of ten male and ten female guinea pigs were used for the test and a further five males and five females as controls.</p> <p>Induction was accomplished in two stages.</p> <p>1) Intradermal injection                  Two rows of three injections were made, one on each side of the midline in the shorn skin of the shoulder region.</p> <p>2) Topical application                  One week after the intradermal injections, the same area was clipped free from hair. A 4x4 cm patch of filter paper was soaked in a solution of the test material and placed over the injection sites and covered with an occlusive dressing. The dressing was left in place for 48 hours.</p> <p>The challenge procedure was carried out two weeks after topical induction. Challenge was accomplished by topical application of the test material to the flank of animals via an occluded patch. The challenge lasted 24 hours. Immediately after the challenge, and then again at 24 and 48 hours later, each animal was examined for signs of skin sensitization.</p> <p>At no point was there any evidence of skin sensitization produced by neodecanoic acid.</p>
--	--

**Conclusion/Summary**

**Skin** : Not available  
**Respiratory** : Not available

**Mutagenicity**

Product/ingredient name	Test	Experiment	Result
neodecanoic acid	-	Subject: See Remarks	Negative
<b>Remarks:</b>	<p>The test substance Versatic 10 (neodecanoic acid) was examined for its potential to induce structural chromosome aberrations in cultured human lymphocytes in both the absence and presence of a metabolic activation system (S9 mix), in compliance with OECD guideline 473.</p> <p>Two independent chromosome aberration tests were conducted in both the absence and presence of S9. In the absence of S9, cells were exposed to the test substance continuously for 24 or 48 hours. In the presence of the S9, cells were exposed to the test substance for 3 hours and harvested at 24 or 48 hours later. The choice for the highest concentrations scored was based on toxicity. The test substance was dissolved in DMSO.</p> <p>In neither chromosome aberration assay, Versatic 10 did not induce a statistically significant increase in the percentage of cells with structural chromosome aberrations at any of the concentrations and time points analyzed. The positive controls gave appropriate responses.</p> <p>It is concluded that Versatic 10 is not clastogenic under the conditions used in this study.</p>		

**Conclusion/Summary** : Not available

**Carcinogenicity**

Product/ingredient name	Result	Species	Dose	Exposure
neodecanoic acid	Negative - - -	See Remarks		
<b>Remarks:</b>	<p>Justification for data waiving:                  Testing for carcinogenicity does not appear scientifically necessary. The data generated in the repeated dose dermal toxicity test are adequate for the purposes of classification and labeling and indicate there is no systemic toxicity. Neoacids do not bioaccumulate and are readily excreted. Neodecanoic acid does not have any structural alerts for carcinogenicity (ToxTree v1.5) and was negative in several tests that assess genetic toxicity. Additionally, neodecanoic acid has a low potential for acute toxicity.</p>			

**Conclusion/Summary** : Not available

### **Reproductive toxicity**

Product/ingredient name	Maternal toxicity	Fertility	Development toxin	Species	Dose	Exposure
neodecanoic acid	Negative	Negative	Negative	Rat	Oral	-
<b>Remarks:</b>	This study was conducted to evaluate the effects of long-term ingestion of neodecanoic acid on reproduction in albino rats. Neodecanoic acid was administered in the diet at levels of 100, 500, and 1500 ppm fed to the rats through two parental and to two-litter filial generations. Following nine weeks of dietary administration to the F2B weanlings designated as the third parental generation, the study was terminated. There was no evidence at any test level of an adverse effect on the survival, appearance, behavior, body weight gain, and food consumption of the parental generations; on the reproductive performance of the parents reflected by the various indices; or on the growth, appearance, and behavior of the offspring. Gross and macroscopic pathological findings revealed no evidence of a compound-related effect at any of the dietary levels.					

**Conclusion/Summary** : Not available

### **Teratogenicity**

Product/ingredient name	Result	Species	Dose	Exposure
neodecanoic acid	Negative - Oral	Rat	-	-
<b>Remarks:</b>	<p>In this study, pregnant rats, n=22 per dose, were treated by oral gavage to 50, 250, 600 or 800 mg/kg/day Neoheptanoic acid during gestation days 6-15. On gestation day 21, the dams were euthanized and the pups were examined for signs of developmental toxicity. Under the conditions of the experimental methods, the test material produced maternal toxicity at dose levels of 600 and 800 mg/kg with maternal lethality at 800 mg/kg. The test material was severely embryotoxic at 800 mg/kg with less than 20% of embryos surviving. Offspring of the 800 mg/kg group had reduced body weight, reduced crown-rump distance, displayed variations signifying delayed development, and a significant percentage (25%) were malformed. In the 600 mg/kg group, there were an increase number of dams with 3 or more resorptions. Offspring of the 600 mg/kg group displayed significant incidences of major (hydrocephalus) and minor (knobby or angular ribs, extra lumbar vertebrae) malformations but showed few signs of delayed development and were not runted.</p> <p>There was no statistically significant evidence of maternal toxicity at dose levels of 50 or 250 mg/kg. There was a slight, but not statistically significant, increase in embryonic resorption noted for the 250 mg/kg group. There was no statistically significant evidence of developmental toxicity at doses for 50 or 250 mg/kg. The NOAEL for maternal toxicity is 600 mg/kg and the NOAEL for developmental toxicity is 250 mg/kg.</p>			

**Conclusion/Summary** : Not available

### **Specific target organ toxicity (single exposure)**

Not available

### **Specific target organ toxicity (repeated exposure)**

Not available

### **Aspiration hazard**

Not available

**Information on likely routes of exposure** : Not available

### **Potential acute health effects**

**Eye contact** : No known significant effects or critical hazards.

**Inhalation** : No known significant effects or critical hazards.

**Skin contact** : No known significant effects or critical hazards.  
**Ingestion** : No known significant effects or critical hazards.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Eye contact** : No specific data.  
**Inhalation** : No specific data.  
**Skin contact** : No specific data.  
**Ingestion** : No specific data.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Short term exposure**

**Potential immediate effects** : Not available  
**Potential delayed effects** : Not available

**Long term exposure**

**Potential immediate effects** : Not available  
**Potential delayed effects** : Not available

**Potential chronic health effects**

Product/ingredient name	Result	Species	Dose	Exposure
neodecanoic acid	NOAEL Oral	Rat	100 mg/kg/d Repeated dose 408 Repeated Dose 90-Day Oral Toxicity Study in Rodents	90 days 7 days per week

**Conclusion/Summary** : Not available

**General** : No known significant effects or critical hazards.  
**Carcinogenicity** : No known significant effects or critical hazards.  
**Mutagenicity** : No known significant effects or critical hazards.  
**Reproductive toxicity** : No known significant effects or critical hazards.

**11.2. Information on other hazards**

**11.2.1 Endocrine disrupting properties** : Not available  
**11.2.2 Other information** : Not available

**SECTION 12: Ecological information**

**12.1 Toxicity**

Product/ingredient name	Result	Species	Exposure
neodecanoic acid			
	Acute LC50 > 100 mg/l -	Rainbow trout,donaldson trout	96 h
	Acute NOEC=No Observed Effect Concentration 1.6 mg/l Fresh water	Fish	30 d
	Acute EC50 > 100 mg/l Fresh water	Daphnia	48 h
	Acute EC50 > 100 mg/l Fresh water	Daphnia	48 h
	Acute Inhibition concentration	Alga	72 h

	to 50% of test organisms > 100 mg/l 201 Alga, Growth Inhibition Test		
	Chronic NOEC=No Observed Effect Concentration > 2.22 mg/l Fresh water 305 Bioconcentration: Flow-through Fish Test	Rainbow trout,donaldson trout	-
	Chronic NOEC=No Observed Effect Concentration 4.78 mg/l Fresh water other methods	Daphnia	-

**Conclusion/Summary** : Not available

### 12.2 Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
neodecanoic acid	301F Ready Biodegradability - Manometric Respirometry Test	11 % - The product is not readily biodegradable. - 28 d	-	Activated sludge
<b>Remarks:</b>		Neodecanoic acid was not inherently biodegradable under the conditions of the study.		

**Conclusion/Summary** : Not available

### 12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
neodecanoic acid	2.1	< 225	low

### 12.4 Mobility in soil

**Soil/water partition coefficient (KOC)** : Not available

**Mobility** : Not available

### 12.5 Results of PBT and vPvB assessment

Product/ingredient name	PBT	P	B	T	vPvB	vP	vB
neodecanoic acid	No	N/A	No	No	No	N/A	No

**12.6 Endocrine disrupting properties** : Not available

**12.7 Other adverse effects** : No known significant effects or critical hazards.  
 No known significant effects or critical hazards.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

**Methods of disposal** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental

protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

**Hazardous waste** : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.

### Packaging

**Methods of disposal** : The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

**Special precautions** : This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## **SECTION 14: Transport information**

<b>Regulatory information</b>	<b>14.1. UN number</b>	<b>14.2. UN proper shipping name</b>	<b>14.3. Transport hazard class(es)</b>	<b>14.4. Packing group</b>
ADR/ADN		Non-regulated		
RID		Non-regulated		
ADN		Non-regulated		
ICAO/IATA		Non-regulated		
IMO/IMDG		Non-regulated		

### **14.5. Environmental hazards**

Environmentally hazardous and/or Marine Pollutant : No.

**14.6 Special precautions for user** : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

## **SECTION 15: Regulatory information**

### **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

**EU Regulation (EC) No. 1907/2006 (REACH)**  
**Annex XIV - List of substances subject to authorization**

**Annex XIV**

None required.

**Substances of very high concern**

None required.

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles** : Not applicable.

**Other EU regulations**

**REACH Status** : The substance(s) in this product has (have) been Registered, or are exempted from registration, according to Regulation (EC) No. 1907/2006 (REACH).

**Prior Informed Consent (PIC) (649/2012/EU)**

None required.

**Seveso Directive**

This product is not controlled under the Seveso Directive.

**National regulations**

**International regulations**

**International lists** : Australia inventory (AIIIC) This material is listed or exempted.  
Canada inventory This material is listed or exempted.  
Japan inventory This material is listed or exempted.  
China inventory (IECSC) This material is listed or exempted.  
Korea inventory (KECI) This material is listed or exempted.  
New Zealand Inventory (NZIoC) This material is listed or exempted.  
Philippines inventory (PICCS) This material is listed or exempted.  
United States inventory (TSCA 8b) This material is active or exempted.  
Taiwan inventory (TCSI) This material is listed or exempted.  
Thailand inventory Not determined.  
Vietnam inventory Not determined.

**15.2 Chemical Safety Assessment** : Not available

**SECTION 16: Other information**

**Abbreviations and acronyms** : ATE = Acute Toxicity Estimate  
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
DMEL = Derived Minimal Effect Level  
DNEL = Derived No Effect Level  
EUH statement = CLP-specific Hazard statement  
N/A = Not available  
PBT = Persistent, Bioaccumulative and Toxic  
PNEC = Predicted No Effect Concentration

RRN = REACH Registration Number  
SGG = Segregation Group  
vPvB = Very Persistent and Very Bioaccumulative

**Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]**

Not classified.

**Full text of abbreviated H statements**

Not applicable.

**Full text of classifications [CLP/GHS]**

Not applicable.

<b>Date of printing</b>	:	27.01.2023
<b>Date of issue/ Date of revision</b>	:	23.12.2022
<b>Date of previous issue</b>	:	16.12.2022
<b>Version</b>	:	4.0

**Notice to reader**

The information provided herein was believed by Hexion Inc. ("Hexion") to be accurate at the time of preparation or prepared from sources believed to be reliable, but it is the responsibility of the user to investigate and understand other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling and use of the product and to determine the suitability of the product for its intended use. All products supplied by Hexion are subject to Hexion's terms and conditions of sale. HEXION MAKES NO WARRANTY, EXPRESSED OR IMPLIED, CONCERNING THE PRODUCT OR THE MERCHANTABILITY OR FITNESS THEREOF FOR ANY PURPOSE OR CONCERNING THE ACCURACY OF ANY INFORMATION PROVIDED BY HEXION, except that the product shall conform to Hexion's specifications. Nothing contained herein constitutes an offer for the sale of any product.  
® and ™ Licensed trademarks of Hexion Inc.

**This page left intentionally blank.**