# SAFETY DATA SHEET



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

1.1. Product identifier

Name of the substance Polyamide resin Trade name of the UNI-REZ™ 2239

substance

Identification number Registration number

**Synonyms** None SDS number 9182

Product code 200000000814 Issue date 29-January-2017

Version number 3.0

18-August-2022 Revision date 18-September-2017 Supersedes date

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

Industrial uses: Uses of substances as such or in preparations at industrial sites. Formulation Identified uses

[mixing] of preparations and/or re-packaging (excluding alloys).

Uses advised against None known.

1.3. Details of the supplier of the safety data sheet Company name Kraton Chemical B.V.

**Address** 

Transistorstraat 16, 1322 CE Almere, The Netherlands

**Phone** +31 36 546 2800

**Email address** regulatory.eu@kraton.com 1.4. Emergency telephone EU NCEC +44 1865 407 333

number

## **SECTION 2: Hazards identification**

### 2.1. Classification of the substance or mixture

The substance has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

### Classification according to Regulation (EC) No 1272/2008 as amended

This substance does not meet the criteria for classification according to Regulation (EC) 1272/2008 as amended.

May form explosible dust-air mixture if dispersed. Hazard summary

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

None. **Hazard pictograms** Signal word None

The substance does not meet the criteria for classification. **Hazard statements** 

**Precautionary statements** 

Prevention Observe good industrial hygiene practices.

Response Wash hands after handling.

Storage Store away from incompatible materials.

Dispose of waste and residues in accordance with local authority requirements. **Disposal** 

Supplemental label information None.

2.3. Other hazards May form explosible dust-air mixture if dispersed. This mixture does not contain substances

assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII. The product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at

levels of 0.1% or higher.

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

#### 3.1. Substances

#### **General information**

Chemical name	%	CAS-No. / EC No.	<b>REACH Registration No.</b>	Index No.	Notes
Polyamide resin	99-100	Proprietary	-	-	
		-			
Class	sification: -				

### List of abbreviations and symbols that may be used above

CLP: Regulation No. 1272/2008. DSD: Directive 67/548/EEC.

M: M-factor

vPvB: very persistent and very bioaccumulative substance. PBT: persistent, bioaccumulative and toxic substance.

#: This substance has been assigned Community workplace exposure limit(s).

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

General information Ensure that medical personnel are aware of the material(s) involved, and take precautions to

protect themselves.

4.1. Description of first aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact Wash off with soap and water. Get medical attention if irritation develops and persists. Do not rub eyes. Rinse with water, Get medical attention if irritation develops and persists. **Eve contact** 

Rinse mouth. Get medical attention if symptoms occur. Ingestion Dusts may irritate the respiratory tract, skin and eyes.

4.2. Most important symptoms and effects, both acute and

delayed 4.3. Indication of any

Treat symptomatically.

# immediate medical attention and special treatment needed

## **SECTION 5: Firefighting measures**

General fire hazards May form combustible dust concentrations in air.

5.1. Extinguishing media

Suitable extinguishing

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2). Apply extinguishing media media

carefully to avoid creating airborne dust.

Unsuitable extinguishing

media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture High concentration of airborne dust may form explosive mixture with air. Static charges generated by emptying package in or near flammable vapour may cause flash fire. During fire, gases hazardous to health may be formed. Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

5.3. Advice for firefighters

Special protective equipment for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Special fire fighting procedures

In case of fire and/or explosion do not breathe fumes. Wear suitable protective equipment. Move containers from fire area if you can do so without risk.

Specific methods Use standard firefighting procedures and consider the hazards of other involved materials.

#### **SECTION 6: Accidental release measures**

#### 6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency

personnel

Wear appropriate personal protective equipment.

Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the For emergency responders

6.2. Environmental precautions Avoid discharge into drains, water courses or onto the ground.

## 6.3. Methods and material for containment and cleaning up

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Stop the flow of material, if this is without risk.

Large Spills: Wet down with water and dike for later disposal. Shovel the material into waste container. Following product recovery, flush area with water.

Small Spills: Sweep up or vacuum up spillage and collect in suitable container for disposal.

Never return spills to original containers for re-use.

6.4. Reference to other sections

For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

## **SECTION 7: Handling and storage**

## 7.1. Precautions for safe handling

Minimise dust generation and accumulation. Avoid significant deposits of material, especially on horizontal surfaces, which may become airborne and form combustible dust clouds and may contribute to secondary explosions. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Explosion-proof general and local exhaust ventilation. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices. Follow all SDS/label precautions even after container is emptied because they may retain product residues.

7.2. Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place. Store at ambient temperature and atmospheric pressure. Store away from incompatible materials (see Section 10 of the SDS).

7.3. Specific end use(s)

Not available.

## **SECTION 8: Exposure controls/personal protection**

#### 8.1. Control parameters

Occupational exposure limits

Additional components	Туре	Value	Form
Dust	MAK	5 mg/m3	Respirable fraction.
		10 mg/m3	Inhalable fraction.
	STEL	20 mg/m3	Inhalable fraction.
		10 mg/m3	Respirable fraction.
Belgium. Exposure Limit	Values		
Additional components	Туре	Value	Form
Dust	TWA	3 mg/m3	Respirable fraction.
		10 mg/m3	Inhalable fraction.
Finland			
Additional components	Туре	Value	
n ,	TWA	5 mg/m3	
Dust	IVVA	5 mg/ms	
Dust	IVVA	10 mg/m3	
		10 mg/m3	NDS ED 004
	Values (VLEP) for Occupational Exposur Type	10 mg/m3	NRS ED 984 Form
France. Threshold Limit \	Values (VLEP) for Occupational Exposur	10 mg/m3 e to Chemicals in France, I	
France. Threshold Limit \ Additional components	Values (VLEP) for Occupational Exposur Type	10 mg/m3 e to Chemicals in France, I Value	Form
France. Threshold Limit Nadditional components  Dust	Values (VLEP) for Occupational Exposur Type VME	10 mg/m3 e to Chemicals in France, I Value	Form
France. Threshold Limit Nadditional components  Dust	Values (VLEP) for Occupational Exposur Type VME	10 mg/m3 e to Chemicals in France, I Value 5 mg/m3	Form Respirable fraction.
France. Threshold Limit of Additional components  Dust  Regulatory status:  Regulatory status:  Germany. DFG MAK List	Values (VLEP) for Occupational Exposur Type VME Regulatory binding (VRC)	10 mg/m3 e to Chemicals in France, I Value 5 mg/m3 10 mg/m3	Form  Respirable fraction.  Inhalable fraction.
France. Threshold Limit of Additional components  Dust Regulatory status:  Regulatory status:  Germany. DFG MAK List in the Work Area (DFG)	Values (VLEP) for Occupational Exposur Type  VME  Regulatory binding (VRC)  Regulatory binding (VRC)  (advisory OELs). Commission for the Inv	10 mg/m3  e to Chemicals in France, I Value  5 mg/m3  10 mg/m3  vestigation of Health Hazard	Form  Respirable fraction.  Inhalable fraction.  ds of Chemical Compou
France. Threshold Limit of Additional components  Dust  Regulatory status:  Regulatory status:  Germany. DFG MAK List	Values (VLEP) for Occupational Exposur Type  VME  Regulatory binding (VRC)  Regulatory binding (VRC)  (advisory OELs). Commission for the Inv	10 mg/m3 e to Chemicals in France, I Value 5 mg/m3 10 mg/m3 vestigation of Health Hazard	Form  Respirable fraction.  Inhalable fraction.  ds of Chemical Compou
France. Threshold Limit of Additional components  Dust Regulatory status:  Regulatory status:  Germany. DFG MAK List in the Work Area (DFG)	Values (VLEP) for Occupational Exposur Type  VME  Regulatory binding (VRC)  Regulatory binding (VRC)  (advisory OELs). Commission for the Inv	10 mg/m3  e to Chemicals in France, I Value  5 mg/m3  10 mg/m3  vestigation of Health Hazard	Form  Respirable fraction.  Inhalable fraction.  ds of Chemical Compou
France. Threshold Limit of Additional components  Dust Regulatory status:  Regulatory status:  Germany. DFG MAK List in the Work Area (DFG)  Additional components  Dust  Germany. TRGS 900, Lim	Values (VLEP) for Occupational Exposur Type  VME  Regulatory binding (VRC)  Regulatory binding (VRC)  (advisory OELs). Commission for the Inv	10 mg/m3 e to Chemicals in France, I Value 5 mg/m3 10 mg/m3 vestigation of Health Hazard Value 4 mg/m3 blace	Form  Respirable fraction.  Inhalable fraction.  ds of Chemical Compou  Form  Inhalable dust.
France. Threshold Limit value Additional components  Dust  Regulatory status:  Regulatory status:  Germany. DFG MAK List in the Work Area (DFG)  Additional components  Dust	Values (VLEP) for Occupational Exposur Type  VME  Regulatory binding (VRC)  Regulatory binding (VRC)  (advisory OELs). Commission for the Inv Type  TWA	10 mg/m3 e to Chemicals in France, I Value 5 mg/m3 10 mg/m3 vestigation of Health Hazard Value 4 mg/m3	Form  Respirable fraction.  Inhalable fraction.  ds of Chemical Compou
France. Threshold Limit of Additional components  Dust Regulatory status:  Regulatory status:  Germany. DFG MAK List in the Work Area (DFG)  Additional components  Dust  Germany. TRGS 900, Lim	Values (VLEP) for Occupational Exposur Type  VME Regulatory binding (VRC)  Regulatory binding (VRC)  (advisory OELs). Commission for the Inv Type  TWA  it Values in the Ambient Air at the Works	10 mg/m3 e to Chemicals in France, I Value 5 mg/m3 10 mg/m3 vestigation of Health Hazard Value 4 mg/m3 blace	Form  Respirable fraction.  Inhalable fraction.  ds of Chemical Compou  Form  Inhalable dust.

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Additional components	154/1999 on occupational exposure lin Type	Value	Form
Dust	TWA	5 mg/m3	Respirable dust.
		10 mg/m3	Total dust.
Ireland. Occupational Exp Additional components	osure Limits Type	Value	Form
Dust	TWA	4 mg/m3	Respirable dust.
		10 mg/m3	Total inhalable dust.
Latvia. OELs. Occupationa Additional components	al exposure limit values of chemical sul Type	ostances in work environme Value	ent Form
Dust	TWA	5 mg/m3	Dust.
		· ·	Duot.
Additional components	lues for Chemical Substances, General Type	Value Value	Form
Dust	TWA	5 mg/m3	Respirable fraction.
		10 mg/m3	Inhalable fraction.
Netherlands Additional components	Туре	Value	Form
Dust	TWA (MAC)	5 mg/m3	Respirable dust.
Dadi	I WA (MAO)	10 mg/m3	Total dust.
		•	
Slovakia. OELs. Regulatio Additional components	n No. 300/2007 concerning protection o Type	f health in work with chemi Value	cal agents Form
Dust	TWA	10 mg/m3	Dust.
(Official Gazette of the Rep	ns concerning protection of workers agoublic of Slovenia)	-	
Additional components	Туре	Value	Form
Dust	TWA	10 mg/m3	Inhalable fraction.
		1,25 mg/m3	Respirable fraction.
Spain. Occupational Expo Additional components	sure Limits Type	Value	Form
Dust	TWA	3 mg/m3	Respirable fraction.
		10 mg/m3	Inhalable fraction.
Switzerland. SUVA Grenzy Additional components	•	Value	Form
	Type		-
Dust	TWA	3 mg/m3	Respirable dust.
		10 mg/m3	Inhalable dust.
UK. EH40 Workplace Expo Additional components	sure Limits (WELs) Type	Value	Form
Dust	TWA	4 mg/m3	Respirable dust.
		10 mg/m3	Inhalable dust.
ogical limit values	No biological exposure limits noted for	the ingredient(s).	
ommended monitoring cedures	Follow standard monitoring procedures	• , ,	
ved no effect levels ELs)	Not available.		
dicted no effect centrations (PNECs)	Not available.		
Exposure controls			
propriate engineering trols	Explosion-proof general and local exhaust ventilation. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.		

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Individual protection measures, such as personal protective equipment

Use personal protective equipment as required. Personal protection equipment should be chosen **General information** 

according to the CEN standards and in discussion with the supplier of the personal protective

equipment.

Wear safety glasses with side shields (or goggles). Eye/face protection

Skin protection

- Hand protection Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove

supplier.

Wear suitable protective clothing. - Other

If engineering controls do not maintain airborne concentrations below recommended exposure Respiratory protection

limits (where applicable) or to an acceptable level (in countries where exposure limits have not

been established), an approved respirator must be worn.

Wear appropriate thermal protective clothing, when necessary. Thermal hazards

When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such Hygiene measures

as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Eye wash fountain and

emergency showers are recommended.

**Environmental exposure** 

controls

Environmental manager must be informed of all major releases. Emissions from ventilation or work

process equipment should be checked to ensure they comply with the requirements of

environmental protection legislation. Fume scrubbers, filters or engineering modifications to the

process equipment may be necessary to reduce emissions to acceptable levels.

## **SECTION 9: Physical and chemical properties**

# 9.1. Information on basic physical and chemical properties

Physical state Solid. **Form** Granular. Colour Light yellow Odour Amine-like, Mild. Melting point/freezing point Not available. Not available. Boiling point or initial boiling

point and boiling range

Not available. Flammability (solid, gas)

Upper/lower flammability or explosive limits

Flammability limit - lower

Not available.

Flammability limit - upper

(%)

Not available.

> 93,9 °C (> 201,0 °F) Cleveland open cup Flash point

Auto-ignition temperature Not available. Not available. **Decomposition temperature** Not available. Ha

Solubility(ies)

< 0,1 % at 25°C Solubility (water) Partition coefficient Not available.

(n-octanol/water)

< 0,001 mm Hg at 20°C Vapour pressure

Not available. Vapour density

0.97 at 25°C/25°C (water=1) Relative density

Particle characteristics Not available.

Other safety characteristics

Weighted solids

Chemical family Polyamide resin < 1000,00 kg/m3 Density **Evaporation rate** 0 n-BuAc=1 estimated Percent volatile 0 % by weight estimated Softening point 113 °C (235,4 °F) Ring & Ball **Viscosity** 300 cP Brookfield at 160°C

## **SECTION 10: Stability and reactivity**

10.1. Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

**10.2. Chemical stability**Material is stable under normal conditions.

10.3. Possibility of hazardous

reactions

**Product** 

irritation

No dangerous reaction known under conditions of normal use.

**10.4. Conditions to avoid** Strong oxidising agents. Keep away from heat, sparks and open flame. Contact with incompatible

materials. Minimise dust generation and accumulation.

10.5. Incompatible materials

10.6. Hazardous

Strong oxidising agents.

decomposition products

Upon decomposition this product emits acrid dense smoke with carbon dioxide, carbon monoxide,

**Test Results** 

water and other products of combustion.

# **SECTION 11: Toxicological information**

General information Not available.

Information on likely routes of exposure

**Inhalation** Dust may irritate respiratory system.

Skin contact

No adverse effects due to skin contact are expected.

Eye contact

Direct contact with eyes may cause temporary irritation.

Ingestion May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of

occupational exposure.

**Symptoms** Dusts may irritate the respiratory tract, skin and eyes.

**Species** 

## 11.1. Information on toxicological effects

Acute toxicity Based on available data, the classification criteria are not met.

	•	
UNI-REZ™ 2239		
<u>Acute</u>		
Dermal		
LD50	Rabbit	> 6000 mg/kg Data is for similar product.;
Oral		
LD50	Rat	> 20000 mg/kg Data is for similar product.;
Components	Species	Test Results
Polyamide resin		
<u>Acute</u>		
Oral		
LD50	Rat	> 5000 mg/kg, 14 days At this dose no death occurred.;Data is for similar product.; OECD 401

<sup>\*</sup> Estimates for product may be based on additional component data not shown.

Skin corrosion/irritationProlonged skin contact may cause temporary irritation.Serious eye damage/eyeDirect contact with eyes may cause temporary irritation.

Respiratory sensitisation Not available.

**Skin sensitisation** This product is not expected to cause skin sensitisation.

**Skin Sensitisation** 

Polyamide resin Buehler Test, Not a skin sensitizer.; Data is for similar

product.; Result: Negative Species: Guinea pig Organ: Skin

Germ cell mutagenicity

No data available to indicate product or any components present at greater than 0.1% are

carcinogenic.

Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

Hungary. 26/2000 EüM Ordinance on protection against and preventing risk relating to exposure to carcinogens at work (as amended)

Not listed.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity -

single exposure

Not available.

Specific target organ toxicity -

repeated exposure

Not available.

Aspiration hazard Not available.

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SDS EU

Mixture versus substance information

No information available.

#### 11.2. Information on other hazards

**Endocrine disrupting** 

properties

The product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or regulation (EU) 2017/2100 or Commission Regulation (EU)

2018/605 at levels of 0.1% or higher.

Not available. Other information

## **SECTION 12: Ecological information**

The product is not classified as environmentally hazardous. However, this does not exclude the 12.1. Toxicity possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components		Species	Test Results
Polyamide resin			
Acute			
	EC50	Bacteria (Pseudomonas putida)	> 1000 mg/l, 16 hr >> Water solubility; Data is for similar product.;
Aquatic			
Crustacea	NOEC	Water flea (Daphnia magna)	> 1000 mg/l, 48 hr Data is for similar product.; OECD 202;
Acute			
Crustacea	EL50	Water flea (Daphnia magna)	> 1000 mg/l, 48 hr >> Water solubility; Data is for similar product.; OECD 202;

<sup>\*</sup> Estimates for product may be based on additional component data not shown.

12.2. Persistence and

degradability

No data is available on the degradability of this product.

12.3. Bioaccumulative potential No data available. Not available. Partition coefficient

n-octanol/water (log Kow)

**Bioconcentration factor (BCF)** Not available. 12.4. Mobility in soil No data available.

12.5. Results of PBT and vPvB

assessment

This mixture does not contain substances assessed to be vPvB / PBT according to Regulation

(EC) No 1907/2006, Annex XIII.

12.6. Endocrine disrupting

properties

The product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or regulation (EU) 2017/2100 or Commission Regulation (EU)

2018/605 at levels of 0.1% or higher.

12.7. Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation

potential, endocrine disruption, global warming potential) are expected from this component.

### **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

Residual waste Dispose of in accordance with local regulations. Empty containers or liners may retain some

product residues. This material and its container must be disposed of in a safe manner (see:

Disposal instructions).

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is

emptied. Empty containers should be taken to an approved waste handling site for recycling or

disposal.

EU waste code The Waste code should be assigned in discussion between the user, the producer and the waste

disposal company.

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of Disposal methods/information

contents/container in accordance with local/regional/national/international regulations.

Dispose in accordance with all applicable regulations. Special precautions

### **SECTION 14: Transport information**

#### **ADR**

Not available. 14.1. UN number Not available. 14.2. UN proper shipping

name

14.3. Transport hazard class(es)

Not available. Class

Subsidiary risk

Not available. Hazard No. (ADR) Tunnel restriction code Not available. Not available. 14.4. Packing group

14.5. Environmental hazards No.

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**14.6. Special precautions** Not available.

for user

RID

**14.1. UN number** Not available. **14.2. UN proper shipping** Not available.

name

14.3. Transport hazard class(es)

Class Not available.

Subsidiary risk -

**14.4. Packing group** Not available.

14.5. Environmental hazards No.

**14.6. Special precautions** Not available.

for user

ADN

**14.1. UN number** Not available. **14.2. UN proper shipping** Not available.

name

14.3. Transport hazard class(es)

Class Not available.

Subsidiary risk -

**14.4. Packing group** Not available.

14.5. Environmental hazards No.

**14.6. Special precautions** Not available.

for user

IATA

**14.1. UN number**Not available. **14.2. UN proper shipping**Not available.

name

14.3. Transport hazard class(es)

Class Not available.

Subsidiary risk

**14.4. Packing group** Not available.

14.5. Environmental hazards No.

**14.6. Special precautions** Not available.

for user

**IMDG** 

**14.1. UN number**Not available. **14.2. UN proper shipping**Not available.

name

14.3. Transport hazard class(es)

Class Not available.

Subsidiary risk

**14.4. Packing group** Not available.

14.5. Environmental hazards

Marine pollutant No.

EmS Not available.

14.6. Special precautions Not available.

for user

14.7. Transport in bulk Not applicable.

according to Annex II of MARPOL 73/78 and the IBC

Code

## **SECTION 15: Regulatory information**

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

### **EU regulations**

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended

Not listed.

Regulation (EU) 2019/1021 On persistent organic pollutants (recast), as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended Not listed.

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Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended

Not listed

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA

Not listed.

**Authorisations** 

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended

Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended.

Not listed.

Other EU regulations

Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended

Not listed.

Other regulations This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006. The

product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Regulation)

as amended.

National regulations Follow national regulation for work with chemical agents.

15.2. Chemical safety

assessment

No Chemical Safety Assessment has been carried out.

Water hazard class

**AwSV** Non-hazardous to water

**SECTION 16: Other information** 

Not available. List of abbreviations Not available. References

Information on evaluation method leading to the classification of mixture

Not applicable.

None.

Full text of any H-statements

Sections 2 to 15

not written out in full under

**Revision information** SECTION 2: Hazards identification: 2,3. Other hazards

SECTION 8: Exposure controls/personal protection: Environmental exposure controls

SECTION 11: Toxicological information: Endocrine disrupting properties SECTION 12: Ecological information: 12,6. Endocrine disrupting properties SECTION 12: Ecological information: 12,5. Results of PBT and vPvB assessment

SECTION 16: Other information: Disclaimer

**Training information** Follow training instructions when handling this material.

#### **Disclaimer**

KRATON CORPORATION urges each customer or recipient of this SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. The information set forth in this document, as of the date of this document, is based on present knowledge, obtained from reliable sources and made to our reasonable ability and in good faith. Such information is made without any warranty or guarantee whatsoever, and shall establish no legal duty or responsibility on the part of the author(s), their employer or its affiliates. The information given is designed only as guidance and its completeness is not guaranteed. The information is not a guarantee of any specific product properties, features, qualities or specifications.

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