## SAFETY DATA SHEET



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

1.1. Product identifier

Trade name or designation

Hi-Flow 565UT

of the mixture

Registration number

Synonyms None.

Issue date 02-July-2013

Version number 04

Revision date 09-December-2015 Supersedes date 12-October-2015

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

**Identified uses** Thermally conductive wax based interface material.

Uses advised against None known.

1.3. Details of the supplier of the safety data sheet

Manufacturer/Supplier The Bergquist Company
Address: 18930 West 78th Street

Chanhassen, MN, 55317

**Non-Emergency calls:** 1-800-347-4572

Contact person: AEHMSDS@henkel.com

1.4. Emergency telephone

number

Chemical Emergency
Call CHEMTREC Day or

Night

**Within USA and Canada:** 1-800-424-9300

Outside USA and Canada: +1 703-527-3887 (Collect Calls Accepted)

## **SECTION 2: Hazards identification**

## 2.1. Classification of the substance or mixture

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

Hazard summary

Not classified for health hazards. However, occupational exposure to the mixture or substance(s)

may cause adverse health effects.

2.2. Label elements

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

Hazard pictograms None.

Signal word Not applicable.

Hazard statements Not applicable.

**Precautionary statements** 

**Prevention** Observe good industrial hygiene practices.

**Response** Wash thoroughly after handling.

**Storage** Store away from incompatible materials.

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

Supplemental label information This product is not hazardous according to Regulation (EC) No 1272/2008 as amended, therefore

a hazard label does not apply.

**2.3. Other hazards** Not a PBT or vPvB substance or mixture.

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

## 3.2. Mixtures

The components are not hazardous or are below required disclosure limits.

Hi-Flow 565UT SDS EU

914987 Version #: 04 Revision date: 09-December-2015 Issue date: 02-July-2013

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

**General information** Get medical attention if any discomfort develops.

4.1. Description of first aid measures

Inhalation Move to fresh air. Get medical attention if symptoms occur.

Wash skin with soap and water. Get medical attention if irritation persists after washing. Skin contact

Flush thoroughly with water. If irritation occurs, get medical assistance. Eye contact Rinse mouth thoroughly. Get medical attention if any discomfort occurs. Ingestion

4.2. Most important symptoms and effects, both acute and

delayed

Under normal conditions of intended use, this material does not pose a risk to health.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## **SECTION 5: Firefighting measures**

General fire hazards This product is not flammable.

5.1. Extinguishing media

Suitable extinguishing

media

Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing

media

None known.

None.

5.2. Special hazards arising

from the substance or mixture

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. Selection of respiratory protection for firefighting: follow the general fire precautions indicated in

the workplace.

Special fire fighting procedures

Move containers from fire area if you can do so without risk.

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

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency

personnel

Avoid contact with skin and eyes.

Keep unnecessary personnel away. For emergency responders

Environmental manager must be informed of all major spillages. 6.2. Environmental precautions

6.3. Methods and material for containment and cleaning up Sweep up or gather material and place in appropriate container for disposal.

For personal protection, see Section 8 of the SDS. 6.4. Reference to other sections For waste disposal, see Section 13 of the SDS.

# **SECTION 7: Handling and storage**

7.1. Precautions for safe

handling

Provide adequate ventilation. Avoid inhalation of dust and contact with skin and eyes. Observe good industrial hygiene practices. Wear appropriate personal protective equipment (See Section

8).

7.2. Conditions for safe storage, including any incompatibilities

Store in closed original container in a dry place. Store away from incompatible materials.

7.3. Specific end use(s) Thermally conductive wax based interface material.

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

#### 8.1. Control parameters

Occupational exposure limits

Austria. MAK List

Components	Туре	Value	Form
Aluminium (CAS 7429-90-5)	MAK	5 mg/m3	Respirable fraction.
		10 mg/m3	Inhalable fraction.
	STEL	20 mg/m3	Inhalable fraction.
		10 mg/m3	Respirable fraction.

	Туре	Value	Form
Aluminium (CAS 7429-90-5)	TWA	1 mg/m3	Respirable fraction.
Bulgaria. OELs. Regulation No 13	on protection of workers aga	inst risks of exposure to chen	nical agents at work
Components	Туре	Value	Form
Aluminium (CAS 7429-90-5)	TWA	2 mg/m3 10 mg/m3 1,5 mg/m3	Dust. Respirable fraction.
Aluminium nitride (CAS 24304-00-5)	TWA	2 mg/m3	·
Croatia. Dangerous Substance Exp	oosure Limit Values in the W	orkplace (ELVs), Annexes 1 ar	nd 2, Narodne Novine, 13
Components	Туре	Value	Form
Aluminium (CAS 7429-90-5)	MAC	4 mg/m3 10 mg/m3	Respirable dust. Total dust.
Czech Republic. OELs. Governme	nt Decree 361		
Components	Туре	Value	Form
Aluminium (CAS 7429-90-5)	TWA	10 mg/m3	Dust.
Denmark. Exposure Limit Values			
Components	Туре	Value	Form
Aluminium (CAS 7429-90-5)	TLV	5 mg/m3	Dust and fume.
		5 mg/m3 2 mg/m3	Fume. Respirable dust and/ofume.
Estonia. OELs. Occupational Expo 2001)	sure Limits of Hazardous Su	bstances. (Annex of Regulation	
Components	Туре	Value	Form
Aluminium (CAS 7429-90-5)	TWA	4 mg/m3	Respirable dust.
AL	T) A / A	10 mg/m3	Total dust.
Aluminium nitride (CAS 24304-00-5)	TWA	2 mg/m3	
Finland. Workplace Exposure Limi	ts		
Finland. Workplace Exposure Limi		Value	Form
Finland. Workplace Exposure Limi Components	Туре	Value	Form Welding fume
Finland. Workplace Exposure Limi		<b>Value</b> 1,5 mg/m3 2 mg/m3	Form Welding fume.
Finland. Workplace Exposure Limi Components Aluminium (CAS 7429-90-5) Aluminium nitride (CAS	<b>Type</b> TWA TWA	1,5 mg/m3 2 mg/m3	Welding fume.
Finland. Workplace Exposure Limi Components Aluminium (CAS 7429-90-5) Aluminium nitride (CAS 24304-00-5)	<b>Type</b> TWA TWA	1,5 mg/m3 2 mg/m3	Welding fume.
Finland. Workplace Exposure Limi Components Aluminium (CAS 7429-90-5) Aluminium nitride (CAS 24304-00-5) France. Threshold Limit Values (Vi	Type  TWA  TWA  LEP) for Occupational Expos	1,5 mg/m3 2 mg/m3 ure to Chemicals in France, IN	Welding fume.
Finland. Workplace Exposure Limi Components Aluminium (CAS 7429-90-5) Aluminium nitride (CAS 24304-00-5) France. Threshold Limit Values (VI	Type TWA TWA LEP) for Occupational Expos Type	1,5 mg/m3 2 mg/m3 ure to Chemicals in France, IN Value 5 mg/m3 5 mg/m3	Welding fume.  IRS ED 984  Form
Finland. Workplace Exposure Limit Components Aluminium (CAS 7429-90-5) Aluminium nitride (CAS 24304-00-5) France. Threshold Limit Values (Victoria) Components Aluminium (CAS 7429-90-5)	Type  TWA  TWA  TWA  LEP) for Occupational Expos  Type  VME	1,5 mg/m3 2 mg/m3 ure to Chemicals in France, IN Value 5 mg/m3 5 mg/m3 10 mg/m3	Welding fume.  IRS ED 984  Form  Dust.  Welding fume.
Finland. Workplace Exposure Limi Components Aluminium (CAS 7429-90-5) Aluminium nitride (CAS 24304-00-5) France. Threshold Limit Values (VI	Type  TWA  TWA  TWA  LEP) for Occupational Expos  Type  VME	1,5 mg/m3 2 mg/m3 ure to Chemicals in France, IN Value 5 mg/m3 5 mg/m3 10 mg/m3	Welding fume.  IRS ED 984  Form  Dust.  Welding fume.
Finland. Workplace Exposure Limit Components  Aluminium (CAS 7429-90-5)  Aluminium nitride (CAS 24304-00-5)  France. Threshold Limit Values (Victory Components)  Aluminium (CAS 7429-90-5)  Germany. DFG MAK List (advisory in the Work Area (DFG)	Type  TWA  TWA  TWA  LEP) for Occupational Expos  Type  VME  OELs). Commission for the  Type	1,5 mg/m3 2 mg/m3 ure to Chemicals in France, IN Value 5 mg/m3 5 mg/m3 10 mg/m3	Welding fume.  IRS ED 984  Form  Dust.  Welding fume.
Finland. Workplace Exposure Limit Components  Aluminium (CAS 7429-90-5)  Aluminium nitride (CAS 24304-00-5)  France. Threshold Limit Values (Victory Components  Aluminium (CAS 7429-90-5)  Germany. DFG MAK List (advisory in the Work Area (DFG)	Type  TWA  TWA  TWA  LEP) for Occupational Expos  Type  VME  OELs). Commission for the	1,5 mg/m3 2 mg/m3 ure to Chemicals in France, IN  Value 5 mg/m3 5 mg/m3 10 mg/m3 Investigation of Health Hazard  Value 4 mg/m3	Welding fume.  IRS ED 984  Form  Dust.  Welding fume.  Is of Chemical Compoun  Form  Inhalable dust.
Finland. Workplace Exposure Limit Components  Aluminium (CAS 7429-90-5)  Aluminium nitride (CAS 24304-00-5)  France. Threshold Limit Values (Victory Components)  Aluminium (CAS 7429-90-5)  Germany. DFG MAK List (advisory in the Work Area (DFG)	Type  TWA TWA  TWA  LEP) for Occupational Expos  Type  VME  OELs). Commission for the  Type  TWA	1,5 mg/m3 2 mg/m3 ure to Chemicals in France, IN  Value 5 mg/m3 5 mg/m3 10 mg/m3 Investigation of Health Hazard  Value  4 mg/m3 1,5 mg/m3	Welding fume.  IRS ED 984  Form  Dust.  Welding fume.  Is of Chemical Compoun
Finland. Workplace Exposure Limit Components  Aluminium (CAS 7429-90-5)  Aluminium nitride (CAS 24304-00-5)  France. Threshold Limit Values (Victory Components  Aluminium (CAS 7429-90-5)  Germany. DFG MAK List (advisory in the Work Area (DFG)  Components  Aluminium (CAS 7429-90-5)	Type  TWA TWA  TWA  LEP) for Occupational Expos  Type  VME  OELs). Commission for the  Type  TWA	1,5 mg/m3 2 mg/m3 ure to Chemicals in France, IN  Value 5 mg/m3 5 mg/m3 10 mg/m3 Investigation of Health Hazard  Value  4 mg/m3 1,5 mg/m3	Welding fume.  IRS ED 984  Form  Dust.  Welding fume.  Is of Chemical Compoun  Form  Inhalable dust.
Finland. Workplace Exposure Limit Components Aluminium (CAS 7429-90-5) Aluminium nitride (CAS 24304-00-5) France. Threshold Limit Values (Victory Components Aluminium (CAS 7429-90-5)  Germany. DFG MAK List (advisory in the Work Area (DFG)  Components Aluminium (CAS 7429-90-5)  Germany. TRGS 900, Limit Values	Type  TWA  TWA  TWA  LEP) for Occupational Expos  Type  VME  OELs). Commission for the  Type  TWA  in the Ambient Air at the World  TWA	1,5 mg/m3 2 mg/m3 ure to Chemicals in France, IN  Value 5 mg/m3 5 mg/m3 10 mg/m3 Investigation of Health Hazard  Value 4 mg/m3 1,5 mg/m3 1,5 mg/m3 rkplace  Value 10 mg/m3	Welding fume.  IRS ED 984  Form  Dust. Welding fume.  Is of Chemical Compoun  Form  Inhalable dust. Respirable dust.  Form  Inhalable fraction.
Finland. Workplace Exposure Limit Components Aluminium (CAS 7429-90-5) Aluminium nitride (CAS 24304-00-5) France. Threshold Limit Values (Victory Components Aluminium (CAS 7429-90-5)  Germany. DFG MAK List (advisory in the Work Area (DFG)  Components Aluminium (CAS 7429-90-5)  Germany. TRGS 900, Limit Values Components Aluminium (CAS 7429-90-5)	Type  TWA  TWA  TWA  LEP) for Occupational Expose  Type  VME  OELs). Commission for the  Type  TWA  in the Ambient Air at the World  Type  AGW	1,5 mg/m3 2 mg/m3 ure to Chemicals in France, IN  Value 5 mg/m3 5 mg/m3 10 mg/m3 Investigation of Health Hazard  Value 4 mg/m3 1,5 mg/m3 1,5 mg/m3	Welding fume.  IRS ED 984  Form  Dust.  Welding fume.  Is of Chemical Compoun  Form  Inhalable dust.  Respirable dust.  Form
Finland. Workplace Exposure Limit Components Aluminium (CAS 7429-90-5) Aluminium nitride (CAS 24304-00-5) France. Threshold Limit Values (Victory Components Aluminium (CAS 7429-90-5)  Germany. DFG MAK List (advisory in the Work Area (DFG)  Components Aluminium (CAS 7429-90-5)  Germany. TRGS 900, Limit Values Components Aluminium (CAS 7429-90-5)  Greece. OELs (Decree No. 90/1999	Type  TWA TWA  LEP) for Occupational Expos  Type  VME  OELs). Commission for the  Type  TWA  in the Ambient Air at the World  Type  AGW  , as amended)	1,5 mg/m3 2 mg/m3 ure to Chemicals in France, IN  Value 5 mg/m3 5 mg/m3 10 mg/m3 Investigation of Health Hazard  Value 4 mg/m3 1,5 mg/m3 1,5 mg/m3 rkplace  Value 10 mg/m3 1,25 mg/m3	Welding fume.  IRS ED 984  Form  Dust. Welding fume.  Is of Chemical Compoun  Form  Inhalable dust. Respirable dust.  Form  Inhalable fraction. Respirable fraction.
Finland. Workplace Exposure Limit Components Aluminium (CAS 7429-90-5) Aluminium nitride (CAS 24304-00-5) France. Threshold Limit Values (Victory Components Aluminium (CAS 7429-90-5)  Germany. DFG MAK List (advisory in the Work Area (DFG)  Components Aluminium (CAS 7429-90-5)  Germany. TRGS 900, Limit Values Components Aluminium (CAS 7429-90-5)	Type  TWA  TWA  TWA  LEP) for Occupational Expose  Type  VME  OELs). Commission for the  Type  TWA  in the Ambient Air at the World  Type  AGW	1,5 mg/m3 2 mg/m3 ure to Chemicals in France, IN  Value 5 mg/m3 5 mg/m3 10 mg/m3 Investigation of Health Hazard  Value 4 mg/m3 1,5 mg/m3 1,5 mg/m3 rkplace  Value 10 mg/m3	Welding fume.  IRS ED 984  Form  Dust. Welding fume.  Is of Chemical Compoun  Form  Inhalable dust. Respirable dust.  Form  Inhalable fraction.

Components	Туре	Value	Form
		10 mg/m3	Respirable.
Hungary. OELs. Joint Decree on C	homical Safaty of Markalass	10 mg/m3	Pyrophoric powder.
	•		Form
Components Aluminium (CAS 7429-90-5)	Type TWA	Value 6 mg/m3	Respirable.
,		· ·	Respirable.
Iceland. OELs. Regulation 154/199	9 on occupational exposure i	imits	
Components	Туре	Value	Form
Aluminium (CAS 7429-90-5)	TWA	5 mg/m3	Fume.
Alumainium mitrida (CAC	T\A/A	10 mg/m3	Dust.
Aluminium nitride (CAS 24304-00-5)	TWA	2 mg/m3	
Ireland. Occupational Exposure Li	mits		
Components	Туре	Value	Form
Aluminium (CAS 7429-90-5)	TWA	1 ppm	Respirable dust.
Italy. OELs			,
•	T		Corm
Components  Aluminium (CAS 7420 00 5)	Type	Value	Form
Aluminium (CAS 7429-90-5) Aluminium nitride (CAS	TWA TWA	1 mg/m3 1 mg/m3	Respirable fraction. Respirable fraction.
24304-00-5)	1 44/1	i mg/mo	respirable fraction.
Latvia. OELs. Occupational expos	ure limit values of chemical s	ubstances in work environme	ent
Components	Туре	Value	
Aluminium (CAS 7429-90-5)	TWA	2 mg/m3	
Aluminium nitride (CAS	TWA	6 mg/m3	
24304-00-5)	Chamiaal Subatanaaa Canar	al Daguiromanto (Hygiana Na	um UN 22-2007\
Lithuania. OELs. Limit Values for			-
Components	Туре	Value	Form
Aluminium (CAS 7429-90-5)	TWA	5 mg/m3	Inhalable fraction.
Aluminium nitride (CAS	TWA	2 mg/m3 6 mg/m3	Respirable fraction.
24304-00-5)		5 mg/m5	
Norway. Administrative Norms for	Contaminants in the Workpla	ace	
Components	Туре	Value	Form
Aluminium (CAS 7429-90-5)	TLV	5 mg/m3	Welding fume.
·		5 mg/m3	Pyrophoric powder.
Poland. MACs. Regulation regarding	ng maximum permissible con	centrations and intensities o	f harmful factors in the w
environment, Annex 1			
Components	Туре	Value	Form
Aluminium (CAS 7429-90-5)	TWA	2,5 mg/m3	Inhalable fraction.
B. C. Olivier N. C.		1,2 mg/m3	Respirable fraction.
Portugal. VLEs. Norm on occupati	onal exposure to chemical ag		Respirable fraction.
Portugal. VLEs. Norm on occupati	Туре	ents (NP 1796) Value	Form
-	_	gents (NP 1796)	
Components Aluminium (CAS 7429-90-5)	<b>Type</b> TWA	value 10 mg/m3	Form
Components Aluminium (CAS 7429-90-5) Romania. OELs. Protection of wor	<b>Type</b> TWA	value 10 mg/m3	Form
Components	Type  TWA kers from exposure to chemic	Value 10 mg/m3 cal agents at the workplace Value 3 mg/m3	Form Form Fume.
Components Aluminium (CAS 7429-90-5) Romania. OELs. Protection of wor	Type  TWA kers from exposure to chemic  Type  STEL	Value 10 mg/m3 cal agents at the workplace Value 3 mg/m3 10 mg/m3	Form Form Fume. Dust.
Components Aluminium (CAS 7429-90-5) Romania. OELs. Protection of wor	Type  TWA kers from exposure to chemic	Value 10 mg/m3 cal agents at the workplace Value 3 mg/m3	Form Form Fume.

# Slovakia. OELs. Decree of the government of the Slovak Republic concerning protection of health in work with chemical agents

**Type** 

**Form** 

Value

· · · · · · · · · · · · · · · · · ·	. )   -	Value	
Aluminium (CAS 7429-90-5)	TWA	4 mg/m3	Inhalable fraction.
		1,5 mg/m3	Respirable fraction.
Spain. Occupational Exposure Lim	its		
Components	Туре	Value	Form
Aluminium (CAS 7429-90-5)	TWA	5 mg/m3	Welding fume.
		10 mg/m3	Dust.
Sweden. Occupational Exposure L	imit Values		
Components	Туре	Value	Form
Aluminium (CAS 7429-90-5)	TWA	5 mg/m3	Total dust.
		2 mg/m3	Respirable dust.
Aluminium nitride (CAS 24304-00-5)	TWA	1 mg/m3	Total dust.
Switzerland. SUVA Grenzwerte am	Arbeitsplatz		
Components	Туре	Value	Form
Aluminium (CAS 7429-90-5)	TWA	3 mg/m3	Respirable dust.
UK. EH40 Workplace Exposure Lin	nits (WELs)		
Components	Туре	Value	Form
Aluminium (CAS 7429-90-5)	TWA	4 mg/m3	Respirable dust.
		10 mg/m3	Inhalable dust.

#### **Biological limit values**

Components

Slovakia. BLVs (Biological Limit Value). Regulation no. 355/2006 concerning protection of workers exposed to chemical agents, Annex 2

Components	Value	Determinant	Specimen	Sampling time	
Aluminium (CAS 7429-90-5)60 μg/g		Aluminium	Creatinine	*	
			in urine		

<sup>\* -</sup> For sampling details, please see the source document.

Switzerland. BAT-Werte (Biological Limit Values in the Workplace as per SUVA)

Components	Value	Determinant	Specimen	Sampling time	
Aluminium (CAS 7429-90-5)60 μg/g		Aluminium	Creatinine	*	
			in urine		

<sup>\* -</sup> For sampling details, please see the source document.

Recommended monitoring

Follow standard monitoring procedures.

procedures

Derived no-effect level (DNEL) Not available.

Predicted no effect concentrations (PNECs)

Not available.

**Exposure guidelines** 

Follow standard monitoring procedures.

8.2. Exposure controls

Appropriate engineering controls

Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne

levels below recommended exposure limits.

Individual protection measures, such as personal protective equipment

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

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

equipment.

Eye/face protection

Risk of contact: Wear approved safety goggles.

Skin protection

glove supplier.

Other
 If prolonged or repeated contact is likely, chemical resistant clothing is recommended.

**Respiratory protection** In case of inadequate ventilation, use respiratory protection. **Thermal hazards** Wear appropriate thermal protective clothing, when necessary.

Hygiene measures Always observe good personal hygiene measures, such as washing after handling the material

and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be

cleaned.

**Environmental exposure** 

controls

Environmental manager must be informed of all major releases.

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

#### 9.1. Information on basic physical and chemical properties

**Appearance** 

Physical state Solid.
Form Solid.
Colour Blue.
Odour Slight.

Odour threshold Not available.

pH Not available.

Melting point/freezing point Not available.

Initial boiling point and boiling Not available.

range

Flash point Not available.

Evaporation rate Not available.

Flammability (solid, gas) Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower

(%)

Flammability limit - upper

(%)

er Not available.

Not available.

Vapour pressureNot available.Vapour densityNot available.

Relative density 2,3

Solubility(ies) Insoluble in water.

Partition coefficient Not relevant.

(n-octanol/water)

Auto-ignition temperature

Decomposition temperature

Viscosity

Explosive properties

Oxidising properties

Not available.

Not available.

Not available.

Not available.

**9.2. Other information**No relevant additional information available.

## **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 Hazardous polymerisation does not occur.

reactions

**10.4. Conditions to avoid**Contact with incompatible materials.

**10.5. Incompatible materials** Strong oxidising agents.

**10.6. Hazardous** None.

decomposition products

## **SECTION 11: Toxicological information**

**General information**Under normal conditions of intended use, this material does not pose a risk to health.

Information on likely routes of exposure

**Inhalation** Elevated temperatures or mechanical action may form dust and fumes which may be irritating to

the mucous membranes and respiratory tract. Vapours may irritate throat and respiratory system

and cause coughing.

**Skin contact** Prolonged skin contact may cause temporary irritation.

Elevated temperatures or mechanical action may form dust and fumes which may be irritating to Eye contact

the eye. May cause eye irritation on direct contact.

Ingestion Not likely, due to the form of the product.

**Symptoms** Under normal conditions of intended use, this material does not pose a risk to health.

#### 11.1. Information on toxicological effects

**Acute toxicity** Under normal conditions of intended use, this material does not pose a risk to health.

Skin corrosion/irritation Not classified. Serious eye damage/eye

irritation

Not classified.

Respiratory sensitisation Not classified. Skin sensitisation Not classified. Not classified. Germ cell mutagenicity Carcinogenicity Not classified. Not classified. Reproductive toxicity

Specific target organ toxicity -

single exposure

Not classified.

Specific target organ toxicity -

repeated exposure

Not classified.

**Aspiration hazard** Mixture versus substance

information

Not classified. None known.

Other information None known.

## **SECTION 12: Ecological information**

12.1. Toxicity The product is not classified as environmentally hazardous.

12.2. Persistence and

degradability

No data available.

No data available. 12.3. Bioaccumulative potential

**Partition coefficient** 

Not relevant.

n-octanol/water (log Kow)

**Bioconcentration factor (BCF)** Not available.

12.4. Mobility in soil The product is insoluble in water.

12.5. Results of PBT

and vPvB assessment Not a PBT or vPvB substance or mixture.

12.6. Other adverse effects None known.

## **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

Residual waste Disposal recommendations are based on material as supplied. Disposal must be in accordance

with current applicable laws and regulations, and material characteristics at time of disposal.

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

emptied.

**EU** waste code

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

## **SECTION 14: Transport information**

#### **ADR**

Not regulated as dangerous goods.

**RID** 

Not regulated as dangerous goods.

ADN

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

**IMDG** 

Not regulated as dangerous goods.

## **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 (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1 as amended

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2 as amended Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3 as amended Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V as amended Not listed.

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 Not listed.

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.

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding, as amended

Not listed.

#### Other EU regulations

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

Not listed

Directive 94/33/EC on the protection of young people at work

Not listed.

Other regulations This mixture does not meet the criteria for classification according to Regulation (EC) 1272/2008

as amended. This Safety Data Sheet complies with the requirements of Regulation (EC) No

1907/2006.

National regulations 15.2. Chemical safety Follow national regulation for work with chemical agents. No Chemical Safety Assessment has been carried out.

assessment

## **SECTION 16: Other information**

#### List of abbreviations

DNEL: Derived No-Effect Level.

PNEC: Predicted No-Effect Concentration.
PBT: Persistent, bioaccumulative and toxic.
vPvB: Very Persistent and very Bioaccumulative.

References ESIS (European chemical Substances Information System)

Registry of Toxic Effects of Chemical Substances (RTECS)

HSDB® - Hazardous Substances Data Bank

Information on evaluation method leading to the classification of mixture

The mixture is classified based on test data for physical hazards. The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if

available. For details, refer to Sections 9, 11 and 12.

Full text of any H-statements not written out in full under Sections 2 to 15 Training information Disclaimer None.

Follow training instructions when handling this material.

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