Trade name: Hardener S for cds-Cable-Joint-Filler

Substance number: 10289

Version: 1 / GB

Replaces Version: - / GB

Date revised: 16.05.2023 Print date: 16.05.2023

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

## 1.1. Product identifier

Hardener S for cds-Cable-Joint-Filler

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

Use of the substance/preparation

Coating material

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

#### Address/Manufacturer

cds Polymere GmbH & Co. KG Gau-Bickelheimer Str. 72 55576 Sprendlingen/Rhh. Telephone no. +49(6701) 9350-0 Fax no. +49(6701) 9350-50

## 1.4. Emergency telephone number

cds-Labor / Tel. +49 (67 01) 93 50-28 ( This number is reachable monday to friday from 8 am to 5 pm )

## **SECTION 2: Hazards identification**

## 2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

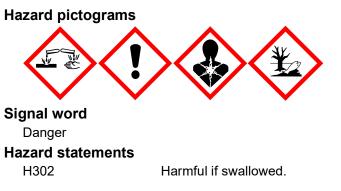
Classification (Regulation (EC) No. 1272/2008)

Acute Tox. 4	H302
Skin Corr. 1	H314
Eye Dam. 1	H318
Skin Sens. 1	H317
Repr. 2	H361fd
STOT SE 3	H335
STOT RE 2	H373
Asp. Tox. 1	H304
Aquatic Acute 1	H400
Aquatic Chronic 1	H410

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008 For explanation of abbreviations see section 16.

## 2.2. Label elements

Labelling according to regulation (EC) No 1272/2008





de name: Hardener S for c	ds-Cable-Joint-Filler			
	Version	: 1 / GB		Date revised: 16.05.2
stance number: 10289	Replace	es Version: - / Gl	В	Print date: 16.05.2
H314	Causes severe skin burr	as and eve dam	200	
H317			aye.	
	May cause an allergic sl		to do falono o nim	
H361fd	Suspected of damaging		ted of damagir	ng the unborn child.
H335	May cause respiratory ir			
H373	May cause damage to o			peated exposure.
H304	May be fatal if swallowed			
H410	Very toxic to aquatic life	with long lasting	g effects.	
Precautionary state	ments			
P260	Do not breathe dust/fum	e/gas/mist/vapg	ours/sprav.	
P280	Wear protective gloves/p			on/face protection
P301+P310	IF SWALLOWED: Imme			
P304+P340				
	IF INHALED: Remove p			
P305+P351+P338	IF IN EYES: Rinse cauti			inutes. Remove contact
5040	lenses, if present and ea		•	
P310	Immediately call a POIS	ON CENTER or	doctor.	
Hazardous compon	ent(s) to be indicated or	n label (Regul	ation (EC) N	o. 1272/2008)
contains	2-Piperazin-1-ylethylami phenylethyl)phenols; Fe Tetraethylenpentamin; A Benzylalcohol; 2,2,4-Trir Fettsäuren, Tallöl, Reak	ttsäuren,Tallöl-,I Amines, coco alk methylhexan-1,6	Reaktionsprod kyl; (Z)-octadeo S-Diamin; Ureth	c-9-enylamine; hane Prepolymer;
	Tri(dimethylaminomethy Triazaundecan-1,11-dia nave to be mentioned.	I)phenol; 3,6-Dia min; Phenol , Mo	azaoctan-1,8-c ethylstyrenated	liamin; 3,6,9-
No special hazards l CTION 3: Compo Hazardous ingredie	Tri(dimethylaminomethy Triazaundecan-1,11-dia nave to be mentioned. <u>sition/information</u> nts	I)phenol; 3,6-Dia min; Phenol , Mo <u>on ingredi</u>	azaoctan-1,8-c ethylstyrenated <u>ents</u>	liamin; 3,6,9-
No special hazards l CTION 3: Compo Hazardous ingredie Reaction mass of (1-	Tri(dimethylaminomethy Triazaundecan-1,11-dian nave to be mentioned. sition/information nts Phenylethyl)phenols and	I)phenol; 3,6-Dia min; Phenol , Mo <u>on ingredi</u>	azaoctan-1,8-c ethylstyrenated <u>ents</u>	liamin; 3,6,9-
No special hazards I CTION 3: Compose Hazardous ingredie Reaction mass of (1- EINECS no.	Tri(dimethylaminomethy Triazaundecan-1,11-dian nave to be mentioned. sition/information nts Phenylethyl)phenols and 701-443-9	l)phenol; 3,6-Dia min; Phenol , Ma <u>on ingredia</u> bis-(1-phenylet	azaoctan-1,8-c ethylstyrenated <u>ents</u>	liamin; 3,6,9-
No special hazards I <u>CTION 3: Compo</u> Hazardous ingredie Reaction mass of (1- EINECS no. Registration no.	Tri(dimethylaminomethy Triazaundecan-1,11-dian nave to be mentioned. <u>Sition/information</u> nts Phenylethyl)phenols and 701-443-9 01-2119980970-27-XXX	I)phenol; 3,6-Dia min; Phenol , Ma on ingredia bis-(1-phenylet	azaoctan-1,8-c ethylstyrenated <u>ents</u> thyl)phenols	liamin; 3,6,9-
No special hazards in CTION 3: Compose Hazardous ingredies Reaction mass of (1- EINECS no. Registration no. Concentration	Tri(dimethylaminomethy Triazaundecan-1,11-dian nave to be mentioned. sition/information nts Phenylethyl)phenols and 701-443-9 01-2119980970-27-XXX >= 25	l)phenol; 3,6-Dia min; Phenol , Ma <u>on ingredia</u> bis-(1-phenylet	azaoctan-1,8-c ethylstyrenated <u>ents</u>	liamin; 3,6,9-
No special hazards in CTION 3: Compose Hazardous ingredies Reaction mass of (1- EINECS no. Registration no. Concentration	Tri(dimethylaminomethy Triazaundecan-1,11-dian nave to be mentioned. Sition/information nts Phenylethyl)phenols and 701-443-9 01-2119980970-27-XXX >= 25 lation (EC) No. 1272/2008)	I)phenol; 3,6-Dia min; Phenol , Ma on ingredia bis-(1-phenylet X < 50	azaoctan-1,8-c ethylstyrenated <u>ents</u> thyl)phenols	liamin; 3,6,9-
No special hazards in CTION 3: Compose Hazardous ingredies Reaction mass of (1- EINECS no. Registration no. Concentration	Tri(dimethylaminomethy Triazaundecan-1,11-dian nave to be mentioned. <b>Sition/information</b> <b>nts</b> <b>Phenylethyl)phenols and</b> 701-443-9 01-2119980970-27-XXX >= 25 lation (EC) No. 1272/2008) Skin Irrit. 2	I)phenol; 3,6-Dia min; Phenol , Ma on ingredia bis-(1-phenylet X < 50 H315	azaoctan-1,8-c ethylstyrenated <u>ents</u> thyl)phenols	liamin; 3,6,9-
No special hazards in CTION 3: Compose Hazardous ingredies Reaction mass of (1- EINECS no. Registration no. Concentration	Tri(dimethylaminomethy Triazaundecan-1,11-dian nave to be mentioned. <b>Sition/information</b> <b>nts</b> <b>Phenylethyl)phenols and</b> 701-443-9 01-2119980970-27-XXX >= 25 lation (EC) No. 1272/2008) Skin Irrit. 2 Skin Sens. 1A	I)phenol; 3,6-Dia min; Phenol , Ma <b>on ingredia</b> <b>bis-(1-phenylet</b> X < 50 H315 H317	azaoctan-1,8-c ethylstyrenated <u>ents</u> thyl)phenols	liamin; 3,6,9-
No special hazards in CTION 3: Compose Hazardous ingredies Reaction mass of (1- EINECS no. Registration no. Concentration	Tri(dimethylaminomethy Triazaundecan-1,11-dian nave to be mentioned. <b>Sition/information</b> <b>nts</b> <b>Phenylethyl)phenols and</b> 701-443-9 01-2119980970-27-XXX >= 25 lation (EC) No. 1272/2008) Skin Irrit. 2	I)phenol; 3,6-Dia min; Phenol , Ma on ingredia bis-(1-phenylet X < 50 H315	azaoctan-1,8-c ethylstyrenated <u>ents</u> thyl)phenols	liamin; 3,6,9-
No special hazards in CTION 3: Compose Hazardous ingredies Reaction mass of (1- EINECS no. Registration no. Concentration Classification (Regu	Tri(dimethylaminomethy Triazaundecan-1,11-dian nave to be mentioned. <b>Sition/information</b> <b>nts</b> <b>Phenylethyl)phenols and</b> 701-443-9 01-2119980970-27-XXX $\geq = 25$ lation (EC) No. 1272/2008) Skin Irrit. 2 Skin Sens. 1A Aquatic Chronic 2	I)phenol; 3,6-Dia min; Phenol , Ma <b>on ingredia</b> <b>bis-(1-phenylet</b> X < 50 H315 H317	azaoctan-1,8-c ethylstyrenated <u>ents</u> thyl)phenols	liamin; 3,6,9-
No special hazards in CTION 3: Compose Hazardous ingredie Reaction mass of (1- EINECS no. Registration no. Concentration Classification (Regu	Tri(dimethylaminomethy Triazaundecan-1,11-dian nave to be mentioned. <b>Sition/information</b> <b>nts</b> <b>Phenylethyl)phenols and</b> 701-443-9 01-2119980970-27-XXX $\geq = 25$ lation (EC) No. 1272/2008) Skin Irrit. 2 Skin Sens. 1A Aquatic Chronic 2 <b>hine</b>	I)phenol; 3,6-Dia min; Phenol , Ma <b>on ingredia</b> <b>bis-(1-phenylet</b> X < 50 H315 H317	azaoctan-1,8-c ethylstyrenated <u>ents</u> thyl)phenols	liamin; 3,6,9-
No special hazards of CTION 3: Compose Hazardous ingredie Reaction mass of (1- EINECS no. Registration no. Concentration Classification (Regu (Z)-octadec-9-enylam CAS No.	Tri(dimethylaminomethy Triazaundecan-1,11-dian nave to be mentioned. <b>Sition/information</b> <b>nts</b> <b>Phenylethyl)phenols and</b> 701-443-9 01-2119980970-27-XXX >= 25 lation (EC) No. 1272/2008) Skin Irrit. 2 Skin Sens. 1A Aquatic Chronic 2 <b>hine</b> 112-90-3	I)phenol; 3,6-Dia min; Phenol , Ma <b>on ingredia</b> <b>bis-(1-phenylet</b> X < 50 H315 H317	azaoctan-1,8-c ethylstyrenated <u>ents</u> thyl)phenols	liamin; 3,6,9-
No special hazards A CTION 3: Compose Hazardous ingredie Reaction mass of (1- EINECS no. Registration no. Concentration Classification (Regu (Z)-octadec-9-enylam CAS No. EINECS no.	Tri(dimethylaminomethy Triazaundecan-1,11-dian nave to be mentioned. <b>Sition/information</b> <b>nts</b> <b>Phenylethyl)phenols and</b> 701-443-9 01-2119980970-27-XXX >= 25 lation (EC) No. 1272/2008) Skin Irrit. 2 Skin Sens. 1A Aquatic Chronic 2 <b>hine</b> 112-90-3 204-015-5	I)phenol; 3,6-Dia min; Phenol , Ma <b>on ingredia</b> <b>bis-(1-phenylet</b> (X < 50 H315 H317 H411	azaoctan-1,8-c ethylstyrenated <u>ents</u> thyl)phenols	liamin; 3,6,9-
No special hazards A CTION 3: Compose Hazardous ingredie Reaction mass of (1- EINECS no. Registration no. Concentration Classification (Regu (Z)-octadec-9-enylam CAS No. EINECS no. Registration no.	Tri(dimethylaminomethy Triazaundecan-1,11-dian nave to be mentioned. <b>Sition/information</b> <b>nts</b> <b>Phenylethyl)phenols and</b> 701-443-9 01-2119980970-27-XXX $\geq = 25$ lation (EC) No. 1272/2008) Skin Irrit. 2 Skin Sens. 1A Aquatic Chronic 2 <b>hine</b> 112-90-3 204-015-5 01-2119473797-19-XXX	I)phenol; 3,6-Dia min; Phenol , Ma <b>on ingredia</b> <b>bis-(1-phenylet</b> (X < 50 H315 H317 H411	ents thyl)phenols %	liamin; 3,6,9-
No special hazards A CTION 3: Compose Hazardous ingredie Reaction mass of (1- EINECS no. Registration no. Concentration Classification (Regu (Z)-octadec-9-enylam CAS No. EINECS no. Registration no. Concentration	Tri(dimethylaminomethy Triazaundecan-1,11-dian nave to be mentioned. <b>Sition/information</b> <b>nts</b> <b>Phenylethyl)phenols and</b> 701-443-9 01-2119980970-27-XXX $\geq = 25$ lation (EC) No. 1272/2008) Skin Irrit. 2 Skin Sens. 1A Aquatic Chronic 2 <b>hine</b> 112-90-3 204-015-5 01-2119473797-19-XXX $\geq = 25$	I)phenol; 3,6-Dia min; Phenol , Ma <b>on ingredia</b> <b>bis-(1-phenylet</b> (X < 50 H315 H317 H411	azaoctan-1,8-c ethylstyrenated <u>ents</u> thyl)phenols	liamin; 3,6,9-
No special hazards A CTION 3: Compose Hazardous ingredie Reaction mass of (1- EINECS no. Registration no. Concentration Classification (Regu (Z)-octadec-9-enylam CAS No. EINECS no. Registration no. Concentration	Tri(dimethylaminomethy Triazaundecan-1,11-dian nave to be mentioned. <b>Sition/information</b> <b>nts</b> <b>Phenylethyl)phenols and</b> 701-443-9 01-2119980970-27-XXX $\geq = 25$ lation (EC) No. 1272/2008) Skin Irrit. 2 Skin Sens. 1A Aquatic Chronic 2 <b>hine</b> 112-90-3 204-015-5 01-2119473797-19-XXX	I)phenol; 3,6-Dia min; Phenol , Ma <b>on ingredia</b> <b>bis-(1-phenylet</b> (X < 50 H315 H317 H411	ents thyl)phenols %	liamin; 3,6,9-
No special hazards A CTION 3: Compose Hazardous ingredie Reaction mass of (1- EINECS no. Registration no. Concentration Classification (Regu (Z)-octadec-9-enylam CAS No. EINECS no. Registration no. Concentration	Tri(dimethylaminomethy Triazaundecan-1,11-dian nave to be mentioned. <b>Sition/information</b> <b>nts</b> <b>Phenylethyl)phenols and</b> 701-443-9 01-2119980970-27-XXX $\geq = 25$ lation (EC) No. 1272/2008) Skin Irrit. 2 Skin Sens. 1A Aquatic Chronic 2 <b>hine</b> 112-90-3 204-015-5 01-2119473797-19-XXX $\geq = 25$	I)phenol; 3,6-Dia min; Phenol , Ma <b>on ingredia</b> <b>bis-(1-phenylet</b> (X < 50 H315 H317 H411	ents thyl)phenols %	liamin; 3,6,9-
No special hazards A CTION 3: Compose Hazardous ingredie Reaction mass of (1- EINECS no. Registration no. Concentration Classification (Regu (Z)-octadec-9-enylam CAS No. EINECS no. Registration no. Concentration	Tri(dimethylaminomethy Triazaundecan-1,11-dian nave to be mentioned. <b>Sition/information</b> nts Phenylethyl)phenols and 701-443-9 01-2119980970-27-XXX $\geq 25$ lation (EC) No. 1272/2008) Skin Irrit. 2 Skin Sens. 1A Aquatic Chronic 2 nine 112-90-3 204-015-5 01-2119473797-19-XXX $\geq 25$ lation (EC) No. 1272/2008) Acute Tox. 4	I)phenol; 3,6-Dia min; Phenol , Ma bis-(1-phenylet X < 50 H315 H317 H411	ents thyl)phenols %	liamin; 3,6,9-
No special hazards A CTION 3: Compose Hazardous ingredie Reaction mass of (1- EINECS no. Registration no. Concentration Classification (Regu (Z)-octadec-9-enylam CAS No. EINECS no. Registration no. Concentration	Tri(dimethylaminomethy Triazaundecan-1,11-dian nave to be mentioned. <b>Sition/information</b> <b>nts</b> <b>Phenylethyl)phenols and</b> 701-443-9 01-2119980970-27-XXX $\geq = 25$ lation (EC) No. 1272/2008) Skin Irrit. 2 Skin Sens. 1A Aquatic Chronic 2 <b>nine</b> 112-90-3 204-015-5 01-2119473797-19-XXX $\geq = 25$ lation (EC) No. 1272/2008) Acute Tox. 4 Asp. Tox. 1	I)phenol; 3,6-Dia min; Phenol , Ma bis-(1-phenyled X < 50 H315 H317 H411 X < 38 H302 H304	ents thyl)phenols %	liamin; 3,6,9-
No special hazards A CTION 3: Compose Hazardous ingredie Reaction mass of (1- EINECS no. Registration no. Concentration Classification (Regu (Z)-octadec-9-enylam CAS No. EINECS no. Registration no. Concentration	Tri(dimethylaminomethy Triazaundecan-1,11-dian nave to be mentioned. <b>Sition/information</b> <b>nts</b> <b>Phenylethyl)phenols and</b> 701-443-9 01-2119980970-27-XXX $\geq = 25$ lation (EC) No. 1272/2008) Skin Irrit. 2 Skin Sens. 1A Aquatic Chronic 2 <b>nine</b> 112-90-3 204-015-5 01-2119473797-19-XXX $\geq = 25$ lation (EC) No. 1272/2008) Acute Tox. 4 Asp. Tox. 1 Skin Corr. 1B	I)phenol; 3,6-Dia min; Phenol , Ma bis-(1-phenyled X < 50 H315 H317 H411 X < 38 H302 H304 H314	ents thyl)phenols %	liamin; 3,6,9-
No special hazards A CTION 3: Compose Hazardous ingredie Reaction mass of (1- EINECS no. Registration no. Concentration Classification (Regu (Z)-octadec-9-enylam CAS No. EINECS no. Registration no. Concentration	Tri(dimethylaminomethy Triazaundecan-1,11-dian nave to be mentioned. <b>Sition/information</b> <b>nts</b> <b>Phenylethyl)phenols and</b> 701-443-9 01-2119980970-27-XXX $\geq = 25$ lation (EC) No. 1272/2008) Skin Irrit. 2 Skin Sens. 1A Aquatic Chronic 2 <b>nine</b> 112-90-3 204-015-5 01-2119473797-19-XXX $\geq = 25$ lation (EC) No. 1272/2008) Acute Tox. 4 Asp. Tox. 1 Skin Corr. 1B STOT SE 3	I)phenol; 3,6-Dia min; Phenol , Ma bis-(1-phenylet X < 50 H315 H317 H411 X < 38 H302 H304 H314 H314 H335	ents thyl)phenols %	liamin; 3,6,9-
No special hazards A CTION 3: Compose Hazardous ingredie Reaction mass of (1- EINECS no. Registration no. Concentration Classification (Regu (Z)-octadec-9-enylam CAS No. EINECS no. Registration no. Concentration	Tri(dimethylaminomethy Triazaundecan-1,11-diat have to be mentioned. <b>Sition/information</b> <b>nts</b> <b>Phenylethyl)phenols and</b> 701-443-9 01-2119980970-27-XXX >= 25 lation (EC) No. 1272/2008) Skin Irrit. 2 Skin Sens. 1A Aquatic Chronic 2 <b>hine</b> 112-90-3 204-015-5 01-2119473797-19-XXX >= 25 lation (EC) No. 1272/2008) Acute Tox. 4 Asp. Tox. 1 Skin Corr. 1B STOT SE 3 STOT RE 2	I)phenol; 3,6-Dia min; Phenol , Ma bis-(1-phenyled X < 50 H315 H317 H411 X < 38 H302 H304 H314 H315 H314 H335 H373	ents thyl)phenols %	liamin; 3,6,9-
No special hazards A CTION 3: Compose Hazardous ingredie Reaction mass of (1- EINECS no. Registration no. Concentration Classification (Regu (Z)-octadec-9-enylam CAS No. EINECS no. Registration no. Concentration	Tri(dimethylaminomethy Triazaundecan-1,11-dian nave to be mentioned. <b>Sition/information</b> <b>nts</b> <b>Phenylethyl)phenols and</b> 701-443-9 01-2119980970-27-XXX $\geq = 25$ lation (EC) No. 1272/2008) Skin Irrit. 2 Skin Sens. 1A Aquatic Chronic 2 <b>nine</b> 112-90-3 204-015-5 01-2119473797-19-XXX $\geq = 25$ lation (EC) No. 1272/2008) Acute Tox. 4 Asp. Tox. 1 Skin Corr. 1B STOT SE 3	I)phenol; 3,6-Dia min; Phenol , Ma bis-(1-phenylet X < 50 H315 H317 H411 X < 38 H302 H304 H314 H314 H335	ents thyl)phenols %	liamin; 3,6,9-

Concentration limits (Regulation (EC) No. 1272/2008)	
Aquatic Acute 1	M = 10
Aquatic Chronic	M = 10

Safety data sheet in accore	dance with regulation (EC)	No 190	7/2006		cds.
Trade name: Hardener S for	cds-Cable-Joint-Filler				<b>~</b>
	Version:	1 / GB			Date revised: 16.05.202
Substance number: 10289	Replace	s Versi	on: - / GB		Print date: 16.05.202
	1				
Urethane Prepolyme	ər				
Concentration	>= 10	<	19	%	
Classification (Regi	ulation (EC) No. 1272/2008) Acute Tox. 4	H302			
2,4,6-Tri(dimethylam	ninomethyl)nhenol				
CAS No.	90-72-2				
EINECS no.	202-013-9				
Registration no.	01-2119560597-27-XXX		4.0		
Concentration	>= 3	<	10	%	
Classification (Regi	ulation (EC) No. 1272/2008) Skin Irrit. 2	H315			
	Eye Irrit. 2	H319			
	Acute Tox. 4	H302			
2-Piperazin-1-ylethy	lamin				
CAS No.	140-31-8				
EINECS no.	205-411-0				
Registration no.	01-2119471486-30-XXX	Х			
Concentration	>= 5	<	10	%	
Classification (Regu	ulation (EC) No. 1272/2008)	11044			
	Acute Tox. 3 Repr. 2	H311 H361			
	STOT RE 1	H372			
	Skin Corr. 1B	H314			
	Eye Dam. 1	H318			
	Acute Tox. 4	H302			
	Skin Sens. 1 Aquatic Chronic 3	H317 H412			
Amines, coco alkyl	64700 46 0				
CAS No. EINECS no.	61788-46-3 262-977-1				
Registration no.	01-2119473798-17-XXX	х			
Concentration	>= 3	<	5	%	
Classification (Regu	ulation (EC) No. 1272/2008)				
	Acute Tox. 4	H302			
	Asp. Tox. 1	H304			
	Skin Corr. 1B STOT SE 3	H314 H335			
	STOT RE 2	H373			
	Aquatic Acute 1	H400			
	Aquatic Chronic 1	H410			
Concentration limits	(Regulation (EC) No. 1272/				
	Aquatic Acute 1		M = 10		
	Aquatic Chronic		M = 10		
Donmulalaakal	1				
Benzylalcohol CAS No.	100-51-6				
EINECS no.	202-859-9				
Registration no.	01-2119492630-38-XXX	Х			
Concentration	>= 1	<	4,1	%	
Classification (Regu	ulation (EC) No. 1272/2008)				
	Acute Tox. 4	H302			

Safety data sheet in accord	dance with regulation (EC)	No 190	07/2006		<b>C</b> ds
rade name: Hardener S for o	cds-Cable-Joint-Filler				<b>~</b>
	Version				Date revised: 16.05.202
ubstance number: 10289	Replace	es versi	on: - / GB		Print date: 16.05.202
	Acute Tox. 4	H332			
2,2,4-Trimethylhexar	n-1,6-Diamin				
CAS No.	25513-64-8				
EINECS no.	247-063-2				
Registration no.	01-2119560598-25-XXX				
Concentration	>= 1	<	2,8	%	
Classification (Regu	ulation (EC) No. 1272/2008)				
	Skin Corr. 1A	H314			
	Acute Tox. 4	H302			
	Skin Sens. 1A	H317			
	Eye Dam. 1	H318			
Fettsäuren, Tallöl-, Re	eaktionsprodukte m. Tetra	ethyler	pentamin		
CAS No.	68953-36-6		•		
EINECS no.	273-201-6				
Registration no.	01-2119487006-38-XXX	X			
Concentration	>= 1	<	2,1	%	
Classification (Regu	ulation (EC) No. 1272/2008)				
	Skin Corr. 1B	H314			
	Skin Sens. 1	H317			
	Aquatic Acute 1	H400			
	Aquatic Chronic 1	H410			
	Eye Dam. 1	H318			
Concentration limits	(Regulation (EC) No. 1272	(2008)			
	Aquatic Acute 1 H400		M = 10		
	Aquatic Chronic H410	)	M = 1		
Fottoöuron Tollöl D	1 A a detion and a dukto mit Trio	thulont	otromin		
CAS No.	eaktionsprodukte mit Trie 1226892-44-9	inyieni	etramin		
EINECS no.	629-765-4				
Registration no.	01-2119490750-36-XXX	X			
Concentration	>= 1	<	2,5	%	
	ulation (EC) No. 1272/2008)		,		
( <b>0</b>	Skin Corr. 1C	H314			
	Skin Sens. 1	H317			
	Aquatic Acute 1	H400			
	Aquatic Chronic 1	H410			
	Eye Dam. 1	H318			
Concentration limits	(Regulation (EC) No. 1272	(2008)			
	Aquatic Chronic H410		M = 1		
	1	-			
	Aquatic Acute 1 H400	)	M = 1		
3.6.9-Triazaundecan	•				
3,6,9-Triazaundecan CAS No.	-1,11-diamin				
	•				
CAS No. EINECS no.	- <b>1,11-diamin</b> 112-57-2 203-986-2	<	1	%	
CAS No. EINECS no. Concentration	- <b>1,11-diamin</b> 112-57-2 203-986-2 >= 0,1	<	1	%	
CAS No. EINECS no. Concentration	- <b>1,11-diamin</b> 112-57-2 203-986-2			%	
CAS No. EINECS no. Concentration	- <b>1,11-diamin</b> 112-57-2 203-986-2 >= 0,1 Jation (EC) No. 1272/2008)	< H302 H312		%	
CAS No. EINECS no. Concentration	- <b>1,11-diamin</b> 112-57-2 203-986-2 >= 0,1 Jation (EC) No. 1272/2008) Acute Tox. 4 Acute Tox. 4	H302 H312		%	
CAS No. EINECS no. Concentration	- <b>1,11-diamin</b> 112-57-2 203-986-2 >= 0,1 Jation (EC) No. 1272/2008) Acute Tox. 4	H302		%	

-	<b>0</b> (	,			COS <sup>k</sup>
Trade name: Hardener S for	cds-Cable-Joint-Filler				
	Versio	on: 1 / GB			Date revised: 16.05.2023
Substance number: 10289	Repla	ces Versio	on: - / Gl	В	Print date: 16.05.2023
3,6-Diazaoctan-1,8-d	liamin				
CAS No.	112-24-3				
EINECS no.	203-950-6				
Concentration	>= 0,1	<	1	%	
Classification (Regu	ulation (EC) No. 1272/2008	3)			
	Acute Tox. 4	H312			
	Aquatic Chronic 3	H412			
	Skin Corr. 1B	H314			
	Skin Sens. 1	H317			
	Acute Tox. 4	H302			
Phenol , Methylstyre	enated				
CAS No.	68512-30-1				
EINECS no.	270-966-8				
Registration no.	01-2119555274-38-XX	XX			
Concentration	>= 0,1	<	1	%	
Classification (Regu	ulation (EC) No. 1272/2008	3)			
	Skin Irrit. 2	H315			
	Skin Sens. 1	H317			
	Aquatic Chronic 3	H412			

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

#### 4.1. Description of first aid measures

#### **General information**

Remove contaminated, soaked clothing immediately and dispose of safely. Adhere to personal protective measures when giving first aid. Clean body thoroughly (bath, shower). In any case show the physician the Safety Data Sheet.

#### After inhalation

Ensure supply of fresh air. Remove affected person from danger area. Seek medical advice immediately.

#### After skin contact

Wash off immediately with soap and water. Seek medical advice immediately.

## After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Take medical treatment.

#### After ingestion

Call in a physician immediately and show him the Safety Data Sheet. Rinse mouth thoroughly with water. Let plenty of water be drunk in small gulps. Do not induce vomiting.

#### Adhere to personal protective measures when giving first aid

First aider: Pay attention to self-protection!

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

Until now no symptoms known so far.

## 4.3. Indication of any immediate medical attention and special treatment needed Hints for the physician / hazards

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

## **SECTION 5: Firefighting measures**

## 5.1. Extinguishing media

Trade name: Hardener S for cds-Cable-Joint-Filler

Substance number: 10289

Version: 1 / GB Replaces Version: - / GB Date revised: 16.05.2023 Print date: 16.05.2023

#### Suitable extinguishing media

Dry powder

#### Non suitable extinguishing media

Full water jet

#### 5.2. Special hazards arising from the substance or mixture

In case of combustion evolution of dangerous gases possible.

#### **5.3. Advice for firefighters**

#### Special protective equipment for fire-fighting

Do not inhale explosion and/or combustion gases. In case of combustion use a suitable breathing apparatus. Wear full protective suit.

#### Other information

Collect contaminated fire-fighting water separately, must not be discharged into the drains. Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations. Observe manufacturer's / distributor`s instructions.

## SECTION 6: Accidental release measures

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

Use breathing apparatus if exposed to vapours/dust/aerosol. Avoid contact with skin, eyes and clothing. Refer to protective measures listed in Sections 7 and 8.

#### 6.2. Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers). Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil. Retain and dispose of contaminated wash water. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

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

Pick up with absorbent material. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations. Containers in which spilt substance has been collected must be adequately labelled. Dispose of absorbed material in accordance with the regulations.

#### 6.4. Reference to other sections

Refer to protective measures listed in Sections 7 and 8.

## SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

#### Advice on safe handling

Avoid formation of aerosols. Perform filling operations only at stations with exhaust ventilation facilities. Provide suitable exhaust ventilation at the processing machines. If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn. Keep container tightly closed.

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

#### Requirements for storage rooms and vessels

Keep in original packaging, tightly closed. Storage rooms must be properly ventilated. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Provide solvent-resistant and impermeable floor.

#### Hints on storage assembly

Do not store together with foodstuffs.

#### Storage classes

Storage class according to TRGS 510

Flammable liquid

3

Trade name: Hardener S for cds-Cable-Joint-Filler

Substance number: 10289

Version: 1 / GB Replaces Version: - / GB Date revised: 16.05.2023 Print date: 16.05.2023

#### Further information on storage conditions

Do not keep at temperatures above 20 °C.

## SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

## Other information

Contains no substances with occupational exposure limit values.

## Derived No/Minimal Effect Levels (DNEL/DMEL)

## Benzylalcohol

Benzylalcohol		
Reference substance	Benzylalcohol	
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	<i>1</i>
Concentration	8	mg/kg
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	22	mg/m³
Concontration	<u>L</u>	mg/m
	Benzylalcohol	
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Acute	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	110	mg/m³
	Benzylalcohol	
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Acute	
Route of exposure	dermal	
Mode of action	Systemic effects	ma/ka
Concentration	40	mg/kg
2-Piperazin-1-ylethylamin	2 Dinarazin 1 ylathylamin	
Reference substance	2-Piperazin-1-ylethylamin	
Type of value Reference group	Derived No Effect Level (DNEL) Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	10,6	mg/m³
Concentration	10,0	ing/in
	2-Piperazin-1-ylethylamin	
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Acute	
Route of exposure	inhalative	



<b>_</b>		
Trade name: Hardener S for cds-Cal		
	Version: 1 / GB	Date revised: 16.05.202
Substance number: 10289	Replaces Version: - / GB	Print date: 16.05.202
Mode of action	Systemic effects	
Concentration	10,6	mg/m³
Schoolingalon	10,0	111g/111
	2-Piperazin-1-ylethylamin	
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	0,015	mg/m³
		0
	2-Piperazin-1-ylethylamin	
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Short term	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	0,08	mg/m³
Concontration	0,00	
	2-Piperazin-1-ylethylamin	
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action		
	Systemic effects	
Concentration	3,33	mg/kg/d
	2-Piperazin-1-ylethylamin	
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Short term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	20	mg/kg/d
Concentration	20	ing/kg/u
Reaction mass of (1-Pheny	lethyl)phenols and bis-(1-phenylethyl)pheno	bls
Reference substance	Reaction mass of (1-Phenylethyl)phenols	
	phenylethyl)phenols	
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Duration of exposure Route of exposure	Long term dermal	
Route of exposure	dermal	
	dermal Systemic effects	mg/kg
Route of exposure Mode of action	dermal	mg/kg
Route of exposure Mode of action	dermal Systemic effects 2,87 Reaction mass of (1-Phenylethyl)phenols	
Route of exposure Mode of action	dermal Systemic effects 2,87 Reaction mass of (1-Phenylethyl)phenols phenylethyl)phenols	
Route of exposure Mode of action	dermal Systemic effects 2,87 Reaction mass of (1-Phenylethyl)phenols	
Route of exposure Mode of action Concentration	dermal Systemic effects 2,87 Reaction mass of (1-Phenylethyl)phenols phenylethyl)phenols	
Route of exposure Mode of action Concentration Type of value Reference group	dermal Systemic effects 2,87 Reaction mass of (1-Phenylethyl)phenols phenylethyl)phenols Derived No Effect Level (DNEL) Worker	
Route of exposure Mode of action Concentration Type of value Reference group Duration of exposure	dermal Systemic effects 2,87 Reaction mass of (1-Phenylethyl)phenols phenylethyl)phenols Derived No Effect Level (DNEL) Worker Long term	
Route of exposure Mode of action Concentration Type of value Reference group Duration of exposure Route of exposure	dermal Systemic effects 2,87 Reaction mass of (1-Phenylethyl)phenols phenylethyl)phenols Derived No Effect Level (DNEL) Worker Long term inhalative	
Route of exposure Mode of action Concentration Type of value Reference group Duration of exposure	dermal Systemic effects 2,87 Reaction mass of (1-Phenylethyl)phenols phenylethyl)phenols Derived No Effect Level (DNEL) Worker Long term	
Route of exposure Mode of action Concentration Type of value Reference group Duration of exposure Route of exposure Mode of action	dermal Systemic effects 2,87 Reaction mass of (1-Phenylethyl)phenols phenylethyl)phenols Derived No Effect Level (DNEL) Worker Long term inhalative Systemic effects	s and bis-(1-
Route of exposure Mode of action Concentration Type of value Reference group Duration of exposure Route of exposure Mode of action Concentration <b>Amines, coco alkyl</b>	dermal Systemic effects 2,87 Reaction mass of (1-Phenylethyl)phenols phenylethyl)phenols Derived No Effect Level (DNEL) Worker Long term inhalative Systemic effects	s and bis-(1-
Route of exposure Mode of action Concentration Type of value Reference group Duration of exposure Route of exposure Mode of action Concentration	dermal Systemic effects 2,87 Reaction mass of (1-Phenylethyl)phenols phenylethyl)phenols Derived No Effect Level (DNEL) Worker Long term inhalative Systemic effects	s and bis-(1-



le name: Hardener S for cds-Cat	Version: 1 / GB	Data ravisade 16 05 2
		Date revised: 16.05.2
stance number: 10289	Replaces Version: - / GB	Print date: 16.05.2
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	0,38	mg/m³
Phenol, Methylstyrenated	Dhanal Mathydatywanatad	
Reference substance	Phenol , Methylstyrenated	
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Route of exposure	dermal	
Concentration	3,5	mg/kg
	Phenol , Methylstyrenated	
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Route of exposure	inhalative	
Concentration	1,4	mg/kg
	thu) where a	
2,4,6-Tri(dimethylaminometed Reference substance	2,4,6-Tri(dimethylaminomethyl)phenol	
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action		
Concentration	Systemic effects	ma/m <sup>3</sup>
Concentration	0,53	mg/m³
_	2,4,6-Tri(dimethylaminomethyl)phenol	
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	0,15	mg/kg/d
	2,4,6-Tri(dimethylaminomethyl)phenol	
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Short term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	2,1	mg/m³
	2,4,6-Tri(dimethylaminomethyl)phenol	
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Short term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	0,6	mg/kg/d
Predicted No Effect Conce	entration (PNEC)	
Benzylalcohol		
Type of value	PNEC	
Туре	Water	
Concentration	1	mg/l



Trade name: Hardener S for cds-Cal	ble-Joint-Filler Version: 1 / GB	Date revised: 16.05.2023
Substance number: 10289	Replaces Version: - / GB	Print date: 16.05.2023
Type of value	PNEC	
Type	Water (intermittent release)	
Concentration	2,31	mg/l
Concentration	2,31	ing/i
Type of value	PNEC	
Туре	Saltwater	
Concentration	0,1	mg/l
Type of value	PNEC	
Туре	Sewage treatment plant (STP)	
Concentration	39	mg/l
	Benzylalcohol	
Type of value	PNEĆ	
Туре	Freshwater sediment	
Concentration	5,27	mg/kg
Concontration	0,21	
The factor	Benzylalcohol	
Type of value	PNEC	
Туре	Marine sediment	
Concentration	0,527	mg/kg
	Benzylalcohol	
Type of value	PNEC	
Туре	Soil	
Concentration	0,456	mg/kg
2 Dineverin 4 vlethylemin		
2-Piperazin-1-ylethylamin	2 Dineseria 1 vlethylemia	
Reference substance	2-Piperazin-1-ylethylamin PNEC	
Type of value	-	
Type	Freshwater	
Concentration	0,058	mg/l
	2-Piperazin-1-ylethylamin	
Type of value	PNEC	
Туре	Marine	
Concentration	0,0058	mg/l
	2-Piperazin-1-ylethylamin	
Type of value	PNEC	
Туре	Water (intermittent release)	
Concentration	0,58	mg/l
	2-Piperazin-1-ylethylamin	
Type of value	PNEC	
Туре	Sewage treatment plant (STP)	
Concentration	250	mg/l
Concentration	230	ing/i
<b>-</b>	2-Piperazin-1-ylethylamin	
Type of value	PNEC	
Туре	Sediment	
Concentration	215	mg/kg
	2-Piperazin-1-ylethylamin	
Type of value	PNEC	
Туре	Marine sediment	



Trade name: Hardener S for cds-Cab	ole-Joint-Filler	
	Version: 1 / GB	Date revised: 16.05.202
Substance number: 10289	Replaces Version: - / GB	Print date: 16.05.202
Concentration	21,5	mg/kg
	2-Piperazin-1-ylethylamin	
Type of value	PNEC	
	Soil	
Type		···· ··· // · ···
Concentration	1	mg/kg
2,2,4-Trimethylhexan-1,6-Di	amin	
Type of value	PNEC	
Туре	Freshwater	
Concentration	0,102	mg/l
Type of value	PNEC	
Туре	Marine	
		ma/l
Concentration	0,01	mg/l
Reaction mass of (1-Phenyl	lethyl)phenols and bis-(1-phenylethyl)pl	henols
Reference substance	Reaction mass of (1-Phenylethyl)phe	
	phenylethyl)phenols	
Type of value	PNEC	
Туре	Freshwater	
Concentration	0,0115	mg/l
	Reaction mass of (1-Phenylethyl)phe	anols and his-(1-
	phenylethyl)phenols	
Type of yelue	PNEC	
Type of value		
Туре	Marine	
Concentration	0,00115	mg/l
Amines, coco alkyl		
Reference substance	Aminon and alkul	
	Amines, coco alkyl	
Type of value	PNEC	
Туре	Freshwater	
Concentration	0,00026	mg/l
	Amines, coco alkyl	
Type of value	PNEC	
Type of value		
Туре	Marine	
Concentration	0,000026	mg/l
	Amines, coco alkyl	
Type of value	PNEC	
Туре	Sewage treatment plant (STP)	
Concentration	0,55	mg/l
	Amines, coco alkyl	
Type of value	PNEC	
Туре	Freshwater sediment	
Concentration	0,1794	mg/kg
Concentration	0,1734	шулу
	Amines, coco alkyl	
Type of value	PNEC	
Туре	Marine sediment	
Concentration	0,01794	mg/kg
	Amines, coco alkyl	
Type of value	PNEC	



Trade name: Hardener S for cds-Ca		
	Version: 1 / GB	Date revised: 16.05.202
Substance number: 10289	Replaces Version: - / GB	Print date: 16.05.202
Туре	Soil	
Concentration	10	mg/kg
Concentration	10	ilig/kg
Phenol , Methylstyrenated	l i i i i i i i i i i i i i i i i i i i	
Reference substance	Phenol, Methylstyrenated	
Type of value	PNEC	
Туре	Freshwater	
Concentration		
Concentration	0,014	mg/l
	Phenol, Methylstyrenated	
Type of value	PNEC	
Туре	Marine	
Concentration	0,0014	mall
Concentration	0,0014	mg/l
	Phenol, Methylstyrenated	
Type of value	PNEC	
Туре	Water (intermittent release)	
Concentration	0,14	mg/l
Concentration	0,14	ilig/i
	Phenol, Methylstyrenated	
Type of value	PNEC	
Туре	Sewage treatment plant (STP)	
Concentration	2,4	mg/l
Concentration	2,7	iiig/i
	Phenol, Methylstyrenated	
Type of value	PNEC	
Type	Soil	
Concentration	212	mg/kg
	Phenol, Methylstyrenated	
Type of value	PNEC	
Туре	Freshwater sediment	
Concentration	1064	mg/kg
	Phenol , Methylstyrenated	
Type of value	PNEC	
Type of value		
Туре	Marine sediment	
Concentration	106	mg/kg
2,4,6-Tri(dimethylaminome	ethvi)phenol	
Reference substance	2,4,6-Tri(dimethylaminomethyl)phenol	
Type of value	PNEC	
Туре	Water	
Concentration	0,046	mg/l
	2,4,6-Tri(dimethylaminomethyl)phenol	
Type of value	PNEC	
Туре	Marine	
Concentration		mall
Concentration	0,005	mg/l
	2,4,6-Tri(dimethylaminomethyl)phenol	
Type of value	PNEC	
Туре	Water (intermittent release)	
Concentration	0,46	mg/l
		-
True of the late	2,4,6-Tri(dimethylaminomethyl)phenol	
Type of value	PNEC	



nce number: 10289Replaces Version: - / GBPrint dataType ConcentrationSewage treatment plant (STP) 0,2mg/lType of value Type Concentration2,4,6-Tri(dimethylaminomethyl)phenol PNEC Sediment 0,262mg/kgType of value Type of value2,4,6-Tri(dimethylaminomethyl)phenol 0,262mg/kg	ed: 16.05.2 ate: 16.05.2
nce number: 10289Replaces Version: - / GBPrint dataType ConcentrationSewage treatment plant (STP) 0,2mg/lType of value Type 	
Concentration0,2mg/lType of value2,4,6-Tri(dimethylaminomethyl)phenolTypeSedimentConcentration0,262Type of value2,4,6-Tri(dimethylaminomethyl)phenolType of valuePNEC	
Concentration0,2mg/lType of value2,4,6-Tri(dimethylaminomethyl)phenolTypeSedimentConcentration0,262Type of value2,4,6-Tri(dimethylaminomethyl)phenolType of valuePNEC	
Type of value2,4,6-Tri(dimethylaminomethyl)phenolTypePNECTypeSedimentConcentration0,262Type of value2,4,6-Tri(dimethylaminomethyl)phenolType of valuePNEC	
Type of valuePNECTypeSedimentConcentration0,2622,4,6-Tri(dimethylaminomethyl)phenolType of valuePNEC	
Type     Sediment       Concentration     0,262     mg/kg       2,4,6-Tri(dimethylaminomethyl)phenol       Type of value     PNEC	
Concentration0,262mg/kg2,4,6-Tri(dimethylaminomethyl)phenolType of valuePNEC	
2,4,6-Tri(dimethylaminomethyl)phenol Type of value PNEC	
Type of value PNEC	
Type of value PNEC	
Type Marine sediment	
Concentration 0,026 mg/kg	
2.4.6 Tri/dimethyleminemethyl)nhanal	
2,4,6-Tri(dimethylaminomethyl)phenol Type of value PNEC	
Type Soil	
Concentration 0,025 mg/kg	
If workplace limits are exceeded, a respiratory protection approved for this particular job must	be worn.
Hand protection	
Chemical resistant gloves	
Chemical resistant gloves Appropriate Material neoprene	
Chemical resistant gloves	
Chemical resistant gloves Appropriate Material neoprene Eye protection Safety glasses with side protection shield; Face shield	
Chemical resistant gloves Appropriate Material neoprene Eye protection Safety glasses with side protection shield; Face shield Body protection	
Chemical resistant gloves Appropriate Material neoprene Eye protection Safety glasses with side protection shield; Face shield	
Chemical resistant gloves Appropriate Material neoprene Eye protection Safety glasses with side protection shield; Face shield Body protection	
Chemical resistant gloves Appropriate Material neoprene Eye protection Safety glasses with side protection shield; Face shield Body protection Clothing as usual in the chemical industry. Protective shoes TION 9: Physical and chemical properties	
Chemical resistant gloves Appropriate Material neoprene Eye protection Safety glasses with side protection shield; Face shield Body protection Clothing as usual in the chemical industry. Protective shoes TION 9: Physical and chemical properties Information on basic physical and chemical properties	
Chemical resistant gloves Appropriate Material neoprene Eye protection Safety glasses with side protection shield; Face shield Body protection Clothing as usual in the chemical industry. Protective shoes TION 9: Physical and chemical properties Information on basic physical and chemical properties Physical state liquid	
Chemical resistant gloves         Appropriate Material       neoprene         Eye protection         Safety glasses with side protection shield; Face shield         Body protection         Clothing as usual in the chemical industry. Protective shoes         TION 9: Physical and chemical properties         Information on basic physical and chemical properties         Physical state       liquid         Welting point	
Chemical resistant gloves Appropriate Material neoprene Eye protection Safety glasses with side protection shield; Face shield Body protection Clothing as usual in the chemical industry. Protective shoes TION 9: Physical and chemical properties Information on basic physical and chemical properties Physical state liquid	
Chemical resistant gloves         Appropriate Material       neoprene         Eye protection         Safety glasses with side protection shield; Face shield         Body protection         Clothing as usual in the chemical industry. Protective shoes         TION 9: Physical and chemical properties         Information on basic physical and chemical properties         Physical state       liquid         Welting point	
Chemical resistant gloves Appropriate Material neoprene         Eye protection Safety glasses with side protection shield; Face shield         Body protection Clothing as usual in the chemical industry. Protective shoes         TION 9: Physical and chemical properties Physical state         Information on basic physical and chemical properties         Physical state         Inquid         Melting point         Remarks       not determined	
Chemical resistant gloves   Appropriate Material   heoprene	
Chemical resistant gloves Appropriate Material       neoprene         Eye protection Safety glasses with side protection shield; Face shield         Body protection Clothing as usual in the chemical industry. Protective shoes         TION 9: Physical and chemical properties         Information on basic physical and chemical properties         Physical state       liquid         Melting point Remarks       not determined         Freezing point Remarks       not determined         Boiling point or initial boiling point and boiling range	
Chemical resistant gloves Appropriate Material       neoprene         Eye protection       safety glasses with side protection shield; Face shield         Sody protection       Clothing as usual in the chemical industry. Protective shoes         TION 9: Physical and chemical properties         Information on basic physical and chemical properties         Physical state       liquid         Melting point       not determined         Freezing point       not determined         Boiling point or initial boiling point and boiling range       not determined	
Chemical resistant gloves Appropriate Material       neoprene         Eye protection Safety glasses with side protection shield; Face shield         Body protection Clothing as usual in the chemical industry. Protective shoes         TION 9: Physical and chemical properties         Information on basic physical and chemical properties         Physical state       liquid         Melting point Remarks       not determined         Freezing point Remarks       not determined         Boiling point or initial boiling point and boiling range	

Upper and lower explosive limits Remarks not determined

Flash point

Value

100

>

°C

Trade name: Hardener S for cds-Cable-、	loint-Filler		
	Version: 1 / GB		Date revised: 16.05.202
Substance number: 10289	Replaces Versio	n: - / GB	Print date: 16.05.202
I			
Ignition temperature	u stalstennsin sal		
Remarks	not determined		
Decomposition temperature	not determined		
Remarks	not determined		
pH value	u stalstennsin sal		
Remarks	not determined		
Viscosity			
Remarks	not determined		
Solubility(ies)			
Remarks	not determined		
Partition coefficient n-octand	_		
Remarks	not determined		
Vapour pressure			
Remarks	not determined		
Density and/or relative densi	-		
Value	0,98	g/cm³	
Temperature	23 °C		
Relative vapour density			
Remarks	not determined		
9.2. Other information			
Odour threshold			
Remarks	not determined		
Evaporation rate (ether = 1) :			
Remarks	not determined		
Solubility in water			
Remarks	not determined		
Explosive properties			
evaluation	not determined		
Oxidising properties			
Remarks	not determined		
Other information			
None known			

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

## 10.1. Reactivity

No hazardous reactions when stored and handled according to prescribed instructions.

#### 10.2. Chemical stability

No hazardous reactions known.

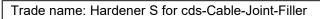
**10.3. Possibility of hazardous reactions** No hazardous reactions known.

## 10.4. Conditions to avoid

No hazardous reactions known.

## 10.5. Incompatible materials

None known



Substance number: 10289

Version: 1 / GB Replaces Version: - / GB Date revised: 16.05.2023 Print date: 16.05.2023

## 10.6. Hazardous decomposition products

Toxic gases/vapours, Irritant gases/vapours

## **SECTION 11: Toxicological information**

#### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008 Acute oral toxicity ATE 1.065,26 mg/kg 96 Method calculated value (Regulation (EC) No. 1272/2008) The classification criteria are met. Remarks Acute oral toxicity (Components) Benzylalcohol Species mouse LD50 1040 mg/kg Benzylalcohol Species rat LD50 1620 mg/kg 3,6,9-Triazaundecan-1,11-diamin Reference substance 3,6,9-Triazaundecan-1,11-diamin Species rat LD50 1716 mg/kg Method **OECD 401** 2-Piperazin-1-ylethylamin Reference substance Ethylbenzene Species rat LD50 2140 mg/kg 2,2,4-Trimethylhexan-1,6-Diamin Species rat LD50 910 mg/kg Reaction mass of (1-Phenylethyl)phenols and bis-(1-phenylethyl)phenols Species rat LD50 2000 mg/kg > Method **OECD 423** Amines, coco alkyl Species rat LD50 300 2000 > to mg/kg Phenol, Methylstyrenated Reference substance Phenol, Methylstyrenated Species rabbit LD50 3600 mg/kg Phenol, Methylstyrenated Reference substance Phenol, Methylstyrenated Species rat LD50 2000 > mg/kg **OECD 423** Method Fettsäuren, Tallöl-, Reaktionsprodukte m. Tetraethylenpentamin Species rat 2000 LD50 > mg/kg 2.4.6-Tri(dimethylaminomethyl)phenol Reference substance 2,4,6-Tri(dimethylaminomethyl)phenol



Species



Trade name: Hardener S for cds-Ca	able-Joint-F		n: 1 / GB		Date revised: 16.05.202
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LD50		2169		mg/kg	
Acute dermal toxicity					
ATE	>	10.000		mg/kg	
Method			(Regulation (EC) No.		
Remarks			ble data, the classification		re not met
Acute dermal toxicity (Co					
Benzylalcohol		,			
Species	rabbit				
LD50	>	2000		mg/kg	
3,6,9-Triazaundecan-1,11-	diamin			0 0	
Reference substance		riazaunda	can-1,11-diamin		
Species	rabbit	nazaunue	call-1, 11-diamin		
LD50	Tabbit	1260		ma/ka	
Method	OECD			mg/kg	
		<del>4</del> 02			
2-Piperazin-1-ylethylamin	a =:				
Reference substance	•	razin-1-yle	ethylamin		
Species	rabbit				
LD50		866		mg/kg	
Reaction mass of (1-Phen	vlethyl)ph	enols and	bis-(1-phenylethyl)	phenols	
Species	rat			•	
LD50	>	2000		mg/kg	
Method	OECD				
Phenol, Methylstyrenated			turopotod		
Reference substance		I, Methyls	lyrenaled		
Species	rabbit	0000			
LD50		2000		mg/kg	
Phenol, Methylstyrenated					
Reference substance		l, Methyls	tyrenated		
Species	rat				
LD50	>	2000		mg/kg	
Method	OECD	402			
Acute inhalational toxici	ty				
ATE	>	100		mg/l	
Administration/Form	Vapors	6		0	
Method			(Regulation (EC) No.	1272/2008)	
ATE	>	20		mg/l	
Administration/Form	Dust/M			0	
Method			(Regulation (EC) No.	1272/2008)	
Remarks			ble data, the classification		re not met.
Acute inhalative toxicity			,		
Benzylalcohol	•				
Reference substance	Benzvl	alcohol			
Species	rat				
LC50	>	4,178		mg/l	
Duration of exposure		4	h	U.	
Administration/Form	Dust/M	-			
Method	OECD				
Reaction mass of (1-Phen			bis-(1-phenvlethvl)	phenols	
Species	rat			-	
LCO		4,9		mg/l	
Duration of exposure		4	h		
Administration/Form	Dust/M	-			
Method	OECD				
moulou	0200				

Safety data sheet in accordance	with regulation (EC) No 1907/2006	cds
rade name: Hardener S for cds-Ca	ble-Joint-Filler	
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Phenol, Methylstyrenated		
Reference substance	Phenol , Methylstyrenated	
Species	rat	
LC0	4,9 mg/l	
Duration of exposure	4 h	
Administration/Form	Dust/Mist	
Method	OECD 403	
Skin corrosion/irritation		
evaluation Remarks	corrosive The classification criteria are met.	
Skin corrosion/irritation (		
Amines, coco alkyl	. ,	
Species	rabbit	
evaluation	corrosive	
Phenol , Methylstyrenated		
Species	rabbit	
evaluation	irritant	
Method	OECD 404	
Serious eye damage/irrita	ition	
evaluation	corrosive	
Remarks	The classification criteria are met.	
Serious eye damage/irrita	ition (Components)	
Phenol, Methylstyrenated		
Species	rabbit	
evaluation	non-irritant	
Method	OECD 405	
Sensitization		
evaluation	May cause sensitization by skin contact.	
Remarks	The classification criteria are met.	
Subacute, subchronic, ch	-	
Remarks	not determined	
Mutagenicity		
Remarks	Based on available data, the classification crite	eria are not met.
Reproductive toxicity		
evaluation	Suspected of damaging fertility. Suspected of	damaging the unborn child.
Remarks	The classification criteria are met.	
Carcinogenicity		
Remarks	Based on available data, the classification crite	eria are not met.
Specific Target Organ To	xicity (STOT)	
Single exposure		
Remarks	The classification criteria are met.	
evaluation	May cause respiratory irritation.	
Repeated exposure	· · ·	
Remarks	The classification criteria are met.	
evaluation	May cause damage to organs through prolong	ed or repeated exposure
	xicity (STOT) (Components)	
Amines, coco alkyl		
evaluation	May cause respiratory irritation.	

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The classification criteria ar Harmful: may cause lung da		ł.		
11.2 Information on other ha	azards			
Experience in practice				
Inhalation may lead to irrita	tion of the respirato	ory tract.		
Other information				
No toxicological data are av	/ailable.			
SECTION 12: Ecological	<u>information</u>			
12.1. Toxicity				
General information				
not determined				
Fish toxicity (Components	5)			
Benzylalcohol				
Species		/ (Pimephales prome		
LC50 Duration of exposure	460 96	h	mg/l	
	90	11		
Benzylalcohol Species	golden orfe (Leu	ciscus idus)		
LC50	> 645		mg/l	
Duration of exposure	96	h		
3,6,9-Triazaundecan-1,11-d				
Reference substance Species	3,6,9-Triazaunde guppy (Poecilia	ecan-1,11-diamin		
LC50	420		mg/l	
Duration of exposure	96	h	U	
2-Piperazin-1-ylethylamin				
Species		/ (Pimephales prome		
LC50 Duration of exposure	2190 96	h	mg/l	
2,2,4-Trimethylhexan-1,6-Di				
Species	golden orfe (Leu	ciscus idus)		
LC50	174		mg/l	
Duration of exposure	48	h	. <b>.</b> .	
Reaction mass of (1-Pheny Species	zebra fish (Bracl		pnenols	
LL50	14,8	lyddillo renoj	mg/l	
Duration of exposure	96	h	U	
Method	OECD 203			
Amines, coco alkyl Reference substance	Amines, coco all	ad		
Species		ريا (Pimephales prome	las)	
LC50	> 0,01	to 0,1	mg/l	
Fettsäuren,Tallöl-,Reaktion Species	<b>sprodukte m. Tetr</b> zebra fish (Bracl			
LC50	0,19		mg/l	
Duration of exposure Method	96 OECD 203	h		
2,4,6-Tri(dimethylaminomet Reference substance Species		ylaminomethyl)pheno arpio)	bl	



ada nama Ulandanan Cifan ada Ca	his laint Filler				
ade name: Hardener S for cds-Ca					Data reviewed 16.05.00
10000	Version: 1 / GB Replaces Version: - / GB			Date revised: 16.05.20	
ubstance number: 10289	Керіас	es versi	ion: - / (	GB	Print date: 16.05.20
LC50	175			mg/l	
Duration of exposure	96	h			
Daphnia toxicity (Compo	nents)				
Benzylalcohol					
Species	Daphnia magna				
EC50	230			mg/l	
Duration of exposure	48	h			
3,6,9-Triazaundecan-1,11-					
Reference substance	3,6,9-Triazaunde	can-1,1	1-diam	in	
Species EC50	Daphnia magna 24,1			mg/l	
Duration of exposure	48	h		mg/i	
2-Piperazin-1-ylethylamin					
Species	Daphnia magna				
EC50	58			mg/l	
Duration of exposure	48	h			
2,2,4-Trimethylhexan-1,6-I					
Species	Daphnia magna				
EC50	31,5 24	h		mg/l	
Duration of exposure		h Lhin (4 )			
Reaction mass of (1-Phen Species	Daphnia magna	DIS-(1-	pnenyi	etnyi)pnenois	
EC50	4,6			mg/l	
Duration of exposure	48	h		iiig/i	
Method	OECD 202				
Amines, coco alkyl					
Reference substance	Amines, coco alk	yl			
Species	Daphnia magna	4-	0.4	···· ·· //	
EC50 Duration of exposure	> 0,01 48	to h	0,1	mg/l	
Amines, coco alkyl	40				
Reference substance	Amines, coco alk	w			
Species	Daphnia magna	.yı			
NOEC	> 0,01	to	0,1		
Duration of exposure	21	Days			
Method	OECD 211				
Phenol, Methylstyrenated					
Reference substance	Phenol , Methyls	iyrenate	đ		
Species EL50	Daphnia magna 51			mg/l	
Duration of exposure	48	h			
Method	OECD 202				
Fettsäuren,Tallöl-,Reaktio	nsprodukte m. Tetra	aethyler	npenta	min	
Species	Daphnia magna			"	
EC50 Duration of exposure	0,18 48	h		mg/l	
Duration of exposure Method	48 OECD 202	h			
Fettsäuren,Tallöl-,Reaktio		aethvler	IDenta	min	
Species	Daphnia magna		·pointa		
	0,32			mg/l	
NOEC					
NOEC Method	OECD 211				



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ade name. Hardener e for eus-ea			on: 1 / GE	5		Date revised: 16.05.20
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Species	Deou	ıdokirchner	iella subr	anitata		
IC50	r seu	770		apilala	mg/l	
Duration of exposure		72	h		iiig/i	
3,6,9-Triazaundecan-1,11-c	liamin	12				
Reference substance		-Triazaund	econ_1 1	1_diamin		
Species		nastrum ca				
ErC50	00101	6,8	prioornat	ann	mg/l	
Duration of exposure		72	h			
2-Piperazin-1-ylethylamin						
Species	Pseu	ıdokirchner	iella subo	apitata		
EC50	>	1000			mg/l	
Duration of exposure		72	h		5	
2,2,4-Trimethylhexan-1,6-D	iamin					
Species		edesmus s	ubspicat	us		
ErC50		43,5	•		mg/l	
Duration of exposure		72	h		Ū	
Reaction mass of (1-Pheny	(lethvl)p	henols an	d bis-(1-	phenvlet	hvl)phenols	
Species		edesmus s			<b>J</b> // · · · ·	
EL50		3,14	•		mg/l	
Duration of exposure		72	h			
Method	OEC	D 201				
Amines, coco alkyl						
Reference substance	Amin	ies, coco a	lkyl			
Species	Scen	iedesmus s	ubspicat			
EC50	>	0,01	to	0,1	mg/l	
Duration of exposure		72	h			
Phenol, Methylstyrenated						
Reference substance		ol , Methyl				
Species	Scen	edesmus s	subspicat	us		
EL50		15 72	h		mg/l	
Duration of exposure Method		72 D 201	h			
		-				
Fettsäuren, Tallöl-, Reaktior					n	
Species EC50	Pseu	Idokirchner 0,638	iella subc	apitata	ma/l	
Duration of exposure		0,038 72	h		mg/l	
Method	OFC	D 201				
2,4,6-Tri(dimethylaminome						
Reference substance		-Tri(dimeth	vlaminor	nethvl)nh4	enol	
Species		nodesmus				
EC50		84	1		mg/l	
Duration of exposure		72	h		0	
Bacteria toxicity (Compo	nents)					
	· ····/					
Benzylalcohol Species	Dear	idomonas p	outida			
EC10	>	658	Juliua		mg/l	
Duration of exposure	-	16	h		iiig/i	
Benzylalcohol						
Species	Peau	idomonas p	ehitua			
EC50	1 300	390			mg/l	
Duration of exposure		24	h			
2,2,4-Trimethylhexan-1,6-D	iamin					
Species		idomonas p	outida			
Species						

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Trade name: Hardener S for cds-Ca	ble-Joint-Filler		
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Substance number: 10289	Replaces	Version: - / GB	Print date: 16.05.2023
Duration of exposure	17	h	
Fettsäuren,Tallöl-,Reaktior Species EC50	nsprodukte m. Tetraet activated sludge 114		
Duration of exposure		mg/l h	
<b>2,4,6-Tri(dimethylaminome</b> Reference substance Species NOEC			
Duration of exposure	—	h	
12.2. Persistence and degra	adability		
General information			
12.3. Bioaccumulative pote General information not determined Partition coefficient n-oct	anol/water (log valu	ie)	
Remarks	not determined		
12.4. Mobility in soil General information not determined			
12.5. Results of PBT and vi	PvB assessment		
General information not determined			
12.7. Other adverse effects			
General information not determined			
<b>General information / ecc</b> Do not allow to enter soil, v	••	ter canal. Avoid release into	the atmosphere.
SECTION 13: Disposal c	<u>onsiderations</u>		
13.1. Waste treatment meth	ods		
Disposal recommendatio	-	he European Waste Catalog	

## Disposal recommendations for packaging

Packaging that cannot be cleaned should be disposed off in agreement with the regional waste disposal company.

## **SECTION 14: Transport information**



3 3

Trade name: Hardener S for	Date revised: 16.05.202		
Substance number: 10289	Replace	s Version: - / GB	Print date: 16.05.202
	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number or ID number	2735	2735	2735
14.2. UN proper shipping name	POLYAMINES, LIQUID, CORROSIVE, N.O.S. ((Z)- octadec-9-enylamine, 2- Piperazin-1-ylethylamin)	POLYAMINES, LIQUID, CORROSIVE, N.O.S. ((Z)- octadec-9-enylamine, 2- Piperazin-1-ylethylamin)	POLYAMINES, LIQUID, CORROSIVE, N.O.S. ((Z)- octadec-9-enylamine, 2-Piperazin- 1-ylethylamin)
14.3. Transport hazard class(es)	8	8	8
Label	B	B	B
14.4. Packing group	П	II	П
Limited Quantity	11	11	
Transport category	2		
14.5. Environmental hazards	ENVIRONMENTALLY HAZARDOUS	Marine Pollutant	ENVIRONMENTALLY HAZARDOUS
Tunnel restriction code	E	HAZARDOUS	

## **SECTION 15: Regulatory information**

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

VOC

VOC (EU) 3,99 % 39,1 g/l

## 15.2. Chemical safety assessment

For this preparation a chemical safety assessment has not been carried out.

## **SECTION 16: Other information**

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification (Regulation (EC) No. 1272/2008)

-	Acute Tox. 4	H302
	Skin Corr. 1	H314
	Eye Dam. 1	H318
	Skin Sens. 1	H317



Trade name: Hardener S for c	ds-Cable-Joint-Filler	
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	Dopr 2 H261fd	
	Repr. 2         H361fd           STOT SE 3         H335	
	STOT RE 2 H373	
	•	
	Aquatic Acute 1 H400 Aquatic Chronic 1 H410	
Hazard statements I	-	
H302	Harmful if swallowed.	
H304	May be fatal if swallowed and enters airways	
H311	Toxic in contact with skin.	
H312	Harmful in contact with skin.	
H314	Causes severe skin burns and eye damage.	
H315	Causes severe skin burns and eye damage. Causes skin irritation.	
H315 H317		
H318	May cause an allergic skin reaction.	
	Causes serious eye damage.	
H319	Causes serious eye irritation.	
H332	Harmful if inhaled.	
H335	May cause respiratory irritation.	
H361	Suspected of damaging fertility or the unborn	
H361fd	Suspected of damaging fertility. Suspected o	
H372	Causes damage to organs through prolonged	
H373	May cause damage to organs through prolon	ged or repeated exposure.
H400	Very toxic to aquatic life.	
H410	Very toxic to aquatic life with long lasting effe	CIS.
H411	Toxic to aquatic life with long lasting effects.	_
H412	Harmful to aquatic life with long lasting effect	S.
CLP categories liste	-	
Acute Tox. 3	Acute toxicity, Category 3	
Acute Tox. 4	Acute toxicity, Category 4	
Aquatic Acute 1	Hazardous to the aquatic environment, acute	
Aquatic Chronic 1	Hazardous to the aquatic environment, chron	
Aquatic Chronic 2	Hazardous to the aquatic environment, chron	
Aquatic Chronic 3	Hazardous to the aquatic environment, chron	ic, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1	
Eye Dam. 1	Serious eye damage, Category 1	
Eye Irrit. 2	Eye irritation, Category 2	
Repr. 2	Reproductive toxicity, Category 2	
Skin Corr. 1	Skin corrosion, Category 1	
Skin Corr. 1A	Skin corrosion, Category 1A	
Skin Corr. 1B	Skin corrosion, Category 1B	
Skin Corr. 1C	Skin corrosion, Category 1C	
Skin Irrit. 2	Skin irritation, Category 2	
Skin Sens. 1	Skin sensitization, Category 1	
Skin Sens. 1A	Skin sensitization, Category 1A	
STOT RE 1	Specific target organ toxicity - repeated expo	
STOT RE 2	Specific target organ toxicity - repeated expo	
STOT SE 3	Specific target organ toxicity - single exposur	e, Category 3
Supplemental inforn	nation	

#### Supplemental information

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.