SAFETY DATA SHEET

Version #: 14

Issue date: 03-11-2013 Revision date: 07-26-2023 Supersedes date: 07-17-2023

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

1.1. Product identifier

Trade name or designation

Chockfast Gray Hardener

of the mixture

Registration number

Synonyms None SKU# **GP103H**

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

Identified uses Not available. None known. Uses advised against

1.3. Details of the supplier of the safety data sheet

Company Name ITW Performance Polymers

Address Bay 150

Shannon Industrial Estate

Co. Clare Ireland V14 DF82

Contact Person Customer Service Telephone Number 353(61)771500

353(61)471285

Email customerservice.shannon@itwpp.com

44(0) 1235 239 670 (24 hours) **Emergency Phone Number**

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

Health hazards

H302 - Harmful if swallowed. Acute toxicity, oral Category 4 Acute toxicity, dermal Category 4 H312 - Harmful in contact with skin.

Skin corrosion/irritation Category 1 H314 - Causes severe skin burns

and eye damage.

Serious eye damage/eye irritation Category 1 H318 - Causes serious eye

damage.

Skin sensitization Category 1 H317 - May cause an allergic skin

reaction.

Environmental hazards

Hazardous to the aquatic environment, Category 3 H412 - Harmful to aquatic life with

long-term aquatic hazard long lasting effects.

2.2. Label elements

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

UFI:

Austria: GXC0-60RQ-400J-S73N Belgium: GXC0-60RQ-400J-S73N Bulgaria: GXC0-60RQ-400J-S73N Croatia: GXC0-60RQ-400J-S73N Cyprus: GXC0-60RQ-400J-S73N

Czech Republic: GXC0-60RQ-400J-S73N Denmark: GXC0-60RQ-400J-S73N Estonia: GXC0-60RQ-400J-S73N EU: GXC0-60RQ-400J-S73N Finland: GXC0-60RQ-400J-S73N France: GXC0-60RQ-400J-S73N Germany: GXC0-60RQ-400J-S73N Greece: GXC0-60RQ-400J-S73N Hungary: GXC0-60RQ-400J-S73N Iceland: GXC0-60RQ-400J-S73N Ireland: GXC0-60RQ-400J-S73N Italy: GXC0-60RQ-400J-S73N Latvia: GXC0-60RQ-400J-S73N Lithuania: GXC0-60RQ-400J-S73N Luxembourg: GXC0-60RQ-400J-S73N Malta: GXC0-60RQ-400J-S73N

Luxembourg: GXC0-60RQ-400J-S73N Malta: GXC0-60RQ-400J-S73N Netherlands: GXC0-60RQ-400J-S73N Norway: GXC0-60RQ-400J-S73N Poland: GXC0-60RQ-400J-S73N Portugal: GXC0-60RQ-400J-S73N Romania: GXC0-60RQ-400J-S73N Slovakia: GXC0-60RQ-400J-S73N Slovenia: GXC0-60RQ-400J-S73N Spain: GXC0-60RQ-400J-S73N

Sweden: GXC0-60RQ-400J-S73N

Contains: 2,2'-iminodiethylamine; diethylenetriamine, 3,6-diazaoctanethylenediamin; triethylenetetramine,

bisphenol A; 4,4'-isopropylidenediphenol

Hazard pictograms



Signal word Danger

Hazard statements

H302 Harmful if swallowed.
H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

Prevention

P260 Do not breathe mist/vapors.
P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

Response

P330 Rinse mouth.

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with

water/shower.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present

and easy to do. Continue rinsing.

P333 + P313 If skin irritation or rash occurs: Ğet medical advice/attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.

Storage

P405 Store locked up.

Disposal

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

68,75% of the mixture consists of component(s) of unknown acute oral toxicity. 7,81% of the Supplemental label information

mixture consists of component(s) of unknown acute dermal toxicity. 18,75% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

2.3. Other hazards

This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII. The mixture does not contain any substances included in the list established in accordance with REACH Article 59(1) for having endocrine disrupting properties at a concentration equal to or greater than 0.1% by weight.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
3,6-diazaoctanethylenediamin; triethylenetetramine	60 - 100	112-24-3 203-950-6	01-2119487919-13-0000	612-059-00-5	
	mg/kg bw),		mg/kg bw), Acute Tox. 4;H3 Eye Dam. 1;H318, Skin Sei		
2,2'-iminodiethylamine; diethylenetriamine	10 - 30	111-40-0 203-865-4	01-2119473793-27-0000	612-058-00-X	
			ig/kg bw), Acute Tox. 4;H31 Eye Dam. 1;H318, Skin Sei		
bisphenol A; 4,4'-isopropylidenediphenol	10 - 30	80-05-7 201-245-8	01-2119457856-23-0000	604-030-00-0	#
Classification:		1;H318, Skin Sens. 1 uatic Chronic 2;H41	;H317, Repr. 1B;H360F, ST I	OT SE	

List of abbreviations and symbols that may be used above

ATE: Acute toxicity estimate.

M: M-factor

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

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

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

The full text for all H-statements is displayed in section 16. **Composition comments**

SECTION 4: First aid measures

General information

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.

4.1. Description of first aid measures

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

Remove contaminated clothing immediately and wash skin with soap and water. Chemical burns Skin contact

must be treated by a physician. Get medical advice/attention if you feel unwell. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Wash

contaminated clothing before reuse.

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if Eye contact

present and easy to do. Continue rinsing. Get medical attention immediately.

Ingestion Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content

doesn't get into the lungs. Get medical advice/attention if you feel unwell.

4.2. Most important symptoms and effects, both acute and

delayed

Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including

blindness could result.

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

Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

SECTION 5: Firefighting measures

General fire hazards No unusual fire or explosion hazards noted.

5.1. Extinguishing media

Suitable extinguishing

media

Alcohol resistant foam. Powder. Carbon dioxide (CO2).

Unsuitable extinguishing

media

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

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5.2. Special hazards arising from the substance or mixture During fire, gases hazardous to health may be formed.

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

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

Do not breathe mist/vapors. Do not touch damaged containers or spilled material unless wearing

appropriate protective clothing.

For emergency responders

Keep unnecessary personnel away. Ensure adequate ventilation. Avoid breathing mist/vapors. Local authorities should be advised if significant spillages cannot be contained. Use personal protection recommended in Section 8 of the SDS.

6.2. Environmental precautions

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up Should not be released into the environment. Prevent product from entering drains.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

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

Do not breathe mist/vapors. Do not get in eyes, on skin, or on clothing. Do not taste or swallow. Avoid prolonged exposure. When using, do not eat, drink or smoke. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Wash contaminated clothing before reuse. Observe good industrial hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities

Store locked up. Store in tightly closed container. Store away from incompatible materials (see

Section 10 of the SDS).

7.3. Specific end use(s) Observe industrial sector guidance on best practices.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Components	Type	Value	Form
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	MAK	4 mg/m3	
		1 ppm	
bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)	Ceiling	5 mg/m3	Inhalable fraction.
	MAK	2 mg/m3	Inhalable fraction.

Belgium. OEL. Exposure Limit Values to Chemical Substances at Work, Code of Well-being at work, Book VI, Title 1 -

Chemical agents, as amended Components	Туре	Value	
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	TWA	4,3 mg/m3	
		1 ppm	

Belgium. OEL. Exposure Limit Values to Chemical Substances at Work, Code of Well-being at work, Book VI, Title 1 - Chemical agents, as amended

Components	Туре	Value	
bisphenol A;	TWA	2 mg/m3	
4,4'-isopropylidenediphenol			
(CAS 80-05-7)			

Bulgaria. OELs. Ordinance No 13 on protection of workers against risks of exposure to chemical agents at work, as amended

Components	Туре	Value	Form
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	TWA	4 mg/m3	
bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)	TWA	2 mg/m3	Inhalable fraction.

Croatia. OELs (GVI). Regulation on Protection of Workers against Exposure to Dangerous Chemicals at Work, OELs and Biological Limit Values, Annex I (NN 91/2018), as amended

Components	Туре	Value	Form
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	MAC	4,3 mg/m3	
		1 ppm	
bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)	MAC	2 mg/m3	Inhalable fraction.

Cyprus. OELs. Control of factory atmosphere and dangerous substances in factories regulation, PI 311/73, as amended Components Type Value

2,2'-iminodiethylamine; TWA 4 mg/m3 diethylenetriamine (CAS 111-40-0)

1 ppm

Cyprus. OELs. Occupational Exposure Limit Values of Chemicals at Work (Safety and Health at Work (Chem. Agents) Reg., Ann. 1, R.A.A. 268/2001, as amended)

Components	Туре	Value	Form
bisphenol A;	TWA	2 mg/m3	Inhalable fraction.
4,4'-isopropylidenediphenol			
(CAS 80-05-7)			

Czech Republic. Occupational exposure limit values of chemicals at work (Decree on protection of health at work, 361/2007, Annex 2, Part A & Annex 3, Part A, as amended)

Components	Туре	Value	Form
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	Ceiling	8 mg/m3	
	TWA	4 mg/m3	
bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)	Ceiling	5 mg/m3	Dust/aerosol, inhalable.
	TWA	2 mg/m3	Dust/aerosol, inhalable.

Denmark. Work Environment Authority. Exposure Limits for Substances & Materials, Annex 2

Components	Туре	Value	Form	
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	TLV	4 mg/m3		
		1 ppm		
bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)	TLV	2 mg/m3	Particulate.	

	Туре		
2,2'-iminodiethylamine; liethylenetriamine (CAS 11-40-0)	STEL	10 mg/m3	
111-40-0)		2 ppm	
	TWA	4,5 mg/m3	
		1 ppm	
3,6-diazaoctanethylenediam	STEL	12 mg/m3	
n; triethylenetetramine (CAS 112-24-3)		, and the second	
	TWA	6 mg/m3	
		1 ppm	
bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)	TWA	2 mg/m3	Respirable fraction.
Finland. HTP-arvot, App 3., Binding Components	Limit Values, Social Affairs Type	and Ministry of Health Value	
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	STEL	13 mg/m3	
111 10-0)		3 ppm	
	TWA	4,3 mg/m3	
		1 ppm	
bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)	TWA	2 mg/m3	
France. OELs. Occupational Expos	ure Limits as Prescribed by	Art. R.4412-149 of Labor Cod	e, as amended
Components	Туре	Value	Form
oisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)	VME	2 mg/m3	Inhalable dust.
France. Threshold Limit Values (VL	EP) for Occupational Expos	ure to Chemicals in France, I	NRS ED 984
			Form
•	Туре	Value	1 01111
Components 2,2'-iminodiethylamine; diethylenetriamine (CAS	Type VME	Value 4 mg/m3	T OHIII
Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	VME		TOTH
Components 2,2'-iminodiethylamine; diethylenetriamine (CAS	VME		T OTH
Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	VME	4 mg/m3	T OTH
Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) Regulatory status: Indicative Regulatory status: Indicative bisphenol A; 4,4'-isopropylidenediphenol	VME	4 mg/m3	Inhalable dust.
Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) Regulatory status: Indicative Regulatory status: Indicative bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)	VME limit (VL) limit (VL) VME	4 mg/m3 1 ppm	
Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) Regulatory status: Indicative Regulatory status: Indicative bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7) Regulatory status: Regulatory	VME limit (VL) VME VME	4 mg/m3 1 ppm 2 mg/m3	Inhalable dust.
Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) Regulatory status: Indicative Regulatory status: Indicative bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7) Regulatory status: Regulatory Germany. DFG MAK List (advisory)	VME limit (VL) VME VME v binding (VRC) OELs). Commission for the	4 mg/m3 1 ppm 2 mg/m3	Inhalable dust.
Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) Regulatory status: Indicative Regulatory status: Indicative bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7) Regulatory status: Regulatory Germany. DFG MAK List (advisory on the Work Area (DFG), as updated	VME limit (VL) VME VME v binding (VRC) OELs). Commission for the	4 mg/m3 1 ppm 2 mg/m3	Inhalable dust.
Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) Regulatory status: Indicative bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7) Regulatory status: Regulatory Germany. DFG MAK List (advisory in the Work Area (DFG), as updated Components bisphenol A; 4,4'-isopropylidenediphenol	VME limit (VL) limit (VL) VME v binding (VRC) OELs). Commission for the	4 mg/m3 1 ppm 2 mg/m3 Investigation of Health Hazare	Inhalable dust. ds of Chemical Compou
Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) Regulatory status: Indicative bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7) Regulatory status: Regulatory Germany. DFG MAK List (advisory in the Work Area (DFG), as updated Components bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)	VME limit (VL) VME v binding (VRC) OELs). Commission for the Type TWA	4 mg/m3 1 ppm 2 mg/m3 Investigation of Health Hazard Value 5 mg/m3	Inhalable dust. ds of Chemical Compour
Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) Regulatory status: Indicative Regulatory status: Indicative bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)	VME limit (VL) VME v binding (VRC) OELs). Commission for the Type TWA	4 mg/m3 1 ppm 2 mg/m3 Investigation of Health Hazard Value 5 mg/m3	Inhalable dust. ds of Chemical Compour

	Туре	Value	Form
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	TWA	4 mg/m3	
111-40-0)		1 ppm	
bisphenol A;	TWA	2 mg/m3	Inhalable fraction.
4,4'-isopropylidenediphenol (CAS 80-05-7)	IVVA	2 mg/ms	ппавые пасцоп.
Hungary. OELs. Decree on protecti Components	on of workers exposed to chen Type	nical agents (5/2020. (II.6)), Value	Annex 1&2, as amended
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	STEL	8 mg/m3	
	TWA	4 mg/m3	
bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)	TWA	2 mg/m3	
Iceland. OELs. Regulation 390/2009 Components	on Pollution Limits and Measu Type	res to Reduce Pollution at Value	t the Workplace, as amende Form
2,2'-iminodiethylamine;	TWA	4,5 mg/m3	
diethylenetriamine (CAS 111-40-0)	1,47,4	4,0 mg/mo	
		1 ppm	
3,6-diazaoctanethylenediam in; triethylenetetramine (CAS 112-24-3)	TWA	6 mg/m3	
		1 ppm	
bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)	TWA	2 mg/m3	Inhalable fraction.
Iroland OEI Vs. Schodulos 1 & 2 C			
Components	ode of Practice for Chemical A	gents and Carcinogens Re Value	gulations Form
Components 2,2'-iminodiethylamine; diethylenetriamine (CAS		-	-
Components 2,2'-iminodiethylamine; diethylenetriamine (CAS	Туре	Value	-
	Туре	Value 4 mg/m3	-
Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)	Type TWA TWA	Value 4 mg/m3 1 ppm	Form
Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7) Italy. OELs (Legislative Decree n.87)	Type TWA TWA	Value 4 mg/m3 1 ppm	Form
Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7) Italy. OELs (Legislative Decree n.8' Components 2,2'-iminodiethylamine; diethylenetriamine (CAS	Type TWA TWA 1, 9 April 2008), as amended	Value 4 mg/m3 1 ppm 2 mg/m3	Form Inhalable dust.
Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7) Italy. OELs (Legislative Decree n.8* Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) bisphenol A; 4,4'-isopropylidenediphenol	Type TWA TWA 1, 9 April 2008), as amended Type	Value 4 mg/m3 1 ppm 2 mg/m3 Value	Form Inhalable dust.
Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7) Italy. OELs (Legislative Decree n.8' Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)	Type TWA TWA 1, 9 April 2008), as amended Type TWA TWA	Value 4 mg/m3 1 ppm 2 mg/m3 Value 1 ppm 2 mg/m3	Form Inhalable dust. Form Inhalable fraction.
Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7) Italy. OELs (Legislative Decree n.8' Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7) Latvia. OELs. Occupational Exposu	Type TWA TWA 1, 9 April 2008), as amended Type TWA TWA TWA	Value 4 mg/m3 1 ppm 2 mg/m3 Value 1 ppm 2 mg/m3 ces at Workplace (Reg. No	Form Inhalable dust. Form Inhalable fraction.
Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7) Italy. OELs (Legislative Decree n.8' Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7) Latvia. OELs. Occupational Exposu	Type TWA TWA 1, 9 April 2008), as amended Type TWA TWA	Value 4 mg/m3 1 ppm 2 mg/m3 Value 1 ppm 2 mg/m3	Form Inhalable dust. Form Inhalable fraction.
Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7) Italy. OELs (Legislative Decree n.8* Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7) Latvia. OELs. Occupational Exposu 1), as amended Components bisphenol A; 4,4'-isopropylidenediphenol	Type TWA TWA 1, 9 April 2008), as amended Type TWA TWA TWA	Value 4 mg/m3 1 ppm 2 mg/m3 Value 1 ppm 2 mg/m3 ces at Workplace (Reg. No	Form Inhalable dust. Form Inhalable fraction.
Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7) Italy. OELs (Legislative Decree n.8' Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7) Latvia. OELs. Occupational Expose	Type TWA TWA 1, 9 April 2008), as amended Type TWA TWA TWA TWA Type Type TWA	Value 4 mg/m3 1 ppm 2 mg/m3 Value 1 ppm 2 mg/m3 ces at Workplace (Reg. No Value 2 mg/m3	Form Inhalable dust. Form Inhalable fraction. . 325/ 2007, L.V. 80, Annex Form Inhalable fraction.
Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7) Italy. OELs (Legislative Decree n.8' Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7) Latvia. OELs. Occupational Exposu 1), as amended Components bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7) Lithuania. OELs. Occupational Exposu	Type TWA TWA 1, 9 April 2008), as amended Type TWA TWA TWA TWA Type Type TWA	Value 4 mg/m3 1 ppm 2 mg/m3 Value 1 ppm 2 mg/m3 ces at Workplace (Reg. No Value 2 mg/m3	Form Inhalable dust. Form Inhalable fraction. . 325/ 2007, L.V. 80, Annex Form Inhalable fraction.

Material name: Chockfast Gray Hardener

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Components	Type	Value	Form
		2 ppm	
	TWA	4,5 mg/m3	
		1 ppm	
3,6-diazaoctanethylenediam in; triethylenetetramine (CAS 112-24-3)	STEL	12 mg/m3	
		2 ppm	
	TWA	6 mg/m3	
		1 ppm	
bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)	TWA	2 mg/m3	Respirable dust.

Luxembourg. OELs. Binding Occupational Exposure Limit Values (Annex I), G.D.R. of 14 November 2016, OJ Memorial A, n ° 235/2016, as amended

Components	Туре	Value	Form
bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)	TWA	2 mg/m3	Inhalable fraction.

Malta. OELs. Protection of Health and Safety of Workers from Risks related to Chemical Agents at Work (L.N 227/2003 Schedules I and V), as amended

Components	Туре	Value	Form
bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)	TWA	2 mg/m3	Inhalable fraction.

Netherlands. OELs per Annex XIII of Working Conditions Regulation (Staatscourant no. 252, 29 December 2006), as amended

Components	Туре	Value	Form
bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)	TWA	2 mg/m3	Inhalable fraction.

Norway. Regulation No. 1358 on Measures and Limit Values for Physical and Chemical Factors in Work Environment and Infection Groups for Biological Factors, as amended

Components	Туре	Value	Form
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	TLV	4 mg/m3	
		1 ppm	
3,6-diazaoctanethylenediam in; triethylenetetramine (CAS 112-24-3)	TLV	6 mg/m3	
		1 ppm	
bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)	TLV	2 mg/m3	Inhalable fraction.

Poland. Maximum permissible concentrations and intensities of harmful factors in the work environment (Dz.U.Poz. 1286/2018, Annex 1)

Components	Туре	Value Form	
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	STEL	12 mg/m3	
	TWA	4 mg/m3	
3,6-diazaoctanethylenediam in; triethylenetetramine (CAS 112-24-3)	STEL	3 mg/m3	
•	TWA	1 mg/m3	

Poland. Maximum permissible concentrations and intensities of harmful factors in the work environment (Dz.U.Poz. 1286/2018, Annex 1)

Components	Туре	Value	Form
bisphenol A;	TWA	2 mg/m3	Inhalable fraction.
4,4'-isopropylidenediphenol			
(CAS 80-05-7)			

Portugal. Decree-Law No. 24/2012, Occupational Exposure Limit Values, Annex II, as amended

Components	Туре	Value	Form
bisphenol A; 4,4'-isopropylidenediphenol	TWA	2 mg/m3	Inhalable fraction.
(CAS 80-05-7)			

Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796-2014) Components Type Value

2,2'-iminodiethylamine;	TWA	1 ppm
diethylenetriamine (CAS		
111-40-0)		

Romania. OELs. Limit Values of Chemical Agents at Workplace (Regulation 1.218/2006, M.O 845, Annex 1, 3&4, as amended)

Components	Туре	Value	Form
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	STEL	4 mg/m3	
		1 ppm	
	TWA	2 mg/m3	
		0,5 ppm	
3,6-diazaoctanethylenediam in; triethylenetetramine (CAS 112-24-3)	STEL	20 mg/m3	
		3,3 ppm	
	TWA	10 mg/m3	
		1,7 ppm	
bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)	TWA	2 mg/m3	Gaseous and vapor, inhalable fraction

Slovakia. OELs. Maximum permissible exposure limits for chemical factors in workplace air (Regulation No 355/2006, Annex 1. Table 1. as amended)

Components	Туре	Value	Form
bisphenol A;	TWA	2 mg/m3	Inhalable fraction.
4,4'-isopropylidenediphenol			
(CAS 80-05-7)			

Slovenia. OELs. Occupational Exposure Limits of Chemicals at Workplace (Reg. on Protection of Workers from Risks due to Exp. to Chemicals at Work, Annex I), as amended

Components	Туре	Value	Form
bisphenol A; 4,4'-isopropylidenediphenol	TWA	2 mg/m3	Inhalable fraction.
(CAS 80-05-7)			

Spain. OELs. INSST, Límites de Exposición Profesional Para Agentes Químicos, Table 1-Valores Límites Ambientales (VLAs)

Components	Туре	Value	
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	TWA	4,3 mg/m3	
		1 ppm	
bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)	TWA	2 mg/m3	

Sweden. OELs (Annex 1). Work Environment Authority (AV), Occupational Exposure Limit Values (AFS 2018:1), as amended

TWA STEL TWA TWA TWA TWA Te am Arbeitsplatz: Aktuelle MAK-Werte Type TWA TWA TWA TWA TWA TWA TWA TWA	Value 4 mg/m3 1 ppm 3 mg/m3	Inhalable dust. Form Inhalable fraction.
STEL TWA TWA te am Arbeitsplatz: Aktuelle MAK-Werte Type TWA TWA TWA TWA TWA Trype Type	4,5 mg/m3 1 ppm 12 mg/m3 2 ppm 6 mg/m3 1 ppm 2 mg/m3 te Value 4 mg/m3 1 ppm 3 mg/m3 Edition 2020)), Table 1 Value	Form
STEL TWA TWA te am Arbeitsplatz: Aktuelle MAK-Werte Type TWA TWA TWA TWA TWA Trype Type	1 ppm 12 mg/m3 2 ppm 6 mg/m3 1 ppm 2 mg/m3 te Value 4 mg/m3 1 ppm 3 mg/m3 Edition 2020)), Table 1 Value	Form
TWA TWA Te am Arbeitsplatz: Aktuelle MAK-Werte Type TWA TWA TWA TWA Trype Trype Trype Trype	12 mg/m3 2 ppm 6 mg/m3 1 ppm 2 mg/m3 te Value 4 mg/m3 1 ppm 3 mg/m3 Edition 2020)), Table 1 Value	Form
TWA TWA Te am Arbeitsplatz: Aktuelle MAK-Werte Type TWA TWA TWA TWA Trype Trype Trype Trype	2 ppm 6 mg/m3 1 ppm 2 mg/m3 te Value 4 mg/m3 1 ppm 3 mg/m3 Edition 2020)), Table 1 Value	Form
TWA Te am Arbeitsplatz: Aktuelle MAK-Werte Type TWA TWA TWA TWE Limits (WELs) (EH40/2005 (Fourth E	6 mg/m3 1 ppm 2 mg/m3 te Value 4 mg/m3 1 ppm 3 mg/m3 Edition 2020)), Table 1 Value	Form
TWA Te am Arbeitsplatz: Aktuelle MAK-Werte Type TWA TWA TWA TWE Limits (WELs) (EH40/2005 (Fourth E	1 ppm 2 mg/m3 te Value 4 mg/m3 1 ppm 3 mg/m3 Edition 2020)), Table 1 Value	Form
re am Arbeitsplatz: Aktuelle MAK-Werte Type TWA TWA ure Limits (WELs) (EH40/2005 (Fourth E	2 mg/m3 te Value 4 mg/m3 1 ppm 3 mg/m3 Edition 2020)), Table 1 Value	Form
re am Arbeitsplatz: Aktuelle MAK-Werte Type TWA TWA ure Limits (WELs) (EH40/2005 (Fourth E	Value 4 mg/m3 1 ppm 3 mg/m3 Edition 2020)), Table 1 Value	Form
Type TWA TWA Ire Limits (WELs) (EH40/2005 (Fourth E	Value 4 mg/m3 1 ppm 3 mg/m3 Edition 2020)), Table 1 Value	
TWA ire Limits (WELs) (EH40/2005 (Fourth E Type	1 ppm 3 mg/m3 Edition 2020)), Table 1 Value	Inhalable fraction.
re Limits (WELs) (EH40/2005 (Fourth E Type	3 mg/m3 Edition 2020)), Table 1 Value	Inhalable fraction.
re Limits (WELs) (EH40/2005 (Fourth E Type	Edition 2020)), Table 1 Value	Inhalable fraction.
Туре	Value	
TWA	4,3 mg/m3	
	1 ppm	
TWA	2 mg/m3	
Values in Directives 91/322/EEC, 2000 Type	0/39/EC, 2006/15/EC, 2009 Value	9/161/EU, 2017/164/EU Form
TWA	2 mg/m3	Inhalable fraction.
C on carcinogen and mutagens from A	Annex III, Part A, as ame Value	nded Form
TWA	2 mg/m3	Inhalable fraction.
No biological exposure limits noted for the	ne ingredient(s).	
Follow standard monitoring procedures.		
Not available.		
Not available.		
	Type TWA	TWA 2 mg/m3 No biological exposure limits noted for the ingredient(s). Follow standard monitoring procedures. Not available.

Exposure guidelines

Belgium OELs: Skin designation

2,2'-iminodiethylamine; diethylenetriamine

(CAS 111-40-0)

Can be absorbed through the skin.

Cyprus OEL: Skin designation

2,2'-iminodiethylamine; diethylenetriamine Can be absorbed through the skin.

(CAS 111-40-0)

Denmark GV: Skin designation

2,2'-iminodiethylamine; diethylenetriamine Can be absorbed through the skin.

(CAS 111-40-0)

Estonia OELs: Skin designation

2,2'-iminodiethylamine; diethylenetriamine Can be absorbed through the skin.

(CAS 111-40-0)

Finland Exposure Limit Values: Skin designation

2,2'-iminodiethylamine; diethylenetriamine Can be absorbed through the skin.

(CAS 111-40-0)

Greece OEL: Skin designation

2,2'-iminodiethylamine; diethylenetriamine Can be absorbed through the skin.

(CAS 111-40-0)

Hungary OELs: Skin designation

2,2'-iminodiethylamine; diethylenetriamine Can be absorbed through the skin.

(CAS 111-40-0)

Iceland OELs: Skin designation

2,2'-iminodiethylamine; diethylenetriamine Can be absorbed through the skin.

(CAS 111-40-0)

Ireland Exposure Limit Values: Skin designation

2,2'-iminodiethylamine; diethylenetriamine Can be absorbed through the skin.

(CAS 111-40-0)

Italy OELs: Skin designation

2,2'-iminodiethylamine; diethylenetriamine Danger of cutaneous absorption

(CAS 111-40-0)

bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7) Danger of cutaneous absorption

Lithuania OELs: Skin designation

2,2'-iminodiethylamine; diethylenetriamine Can be absorbed through the skin.

(CAS 111-40-0)

Norway Exposure Limit Values: Skin designation

2,2'-iminodiethylamine; diethylenetriamine Can be absorbed through the skin.

(CAS 111-40-0)

Portugal VLEs Norm on Occupatioinal Exposure: Skin designation

2,2'-iminodiethylamine; diethylenetriamine Can be absorbed through the skin.

(CAS 111-40-0)

Romania OELs: Skin designation

2,2'-iminodiethylamine; diethylenetriamine Can be absorbed through the skin.

(CAS 111-40-0)

Spain OELs: Skin designation

2,2'-iminodiethylamine; diethylenetriamine Can be absorbed through the skin.

(CAS 111-40-0)

Sweden Threshold Limit Values: Skin designation

2,2'-iminodiethylamine; diethylenetriamine Can be absorbed through the skin.

(CAS 111-40-0)

Switzerland SUVA Limit Values at the Workplace: Skin designation

2,2'-iminodiethylamine; diethylenetriamine Can be absorbed through the skin.

(CAS 111-40-0)

UK EH40 WEL: Skin designation

2,2'-iminodiethylamine; diethylenetriamine Can be absorbed through the skin.

(CAS 111-40-0)

8.2. Exposure controls

Appropriate engineering controls

Good general ventilation 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. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment

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

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

equipment.

Eye/face protection Wear safety glasses with side shields (or goggles) and a face shield. Face shield is

recommended.

Skin protection

Material name: Chockfast Gray Hardener
GP103H Version #: 14 Revision date: 07-26-2023 Issue date: 03-11-2013

- Hand protection Wear appropriate chemical resistant gloves.

- Other Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

Hygiene measures Keep away from food and drink. 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. Contaminated work clothing

should not be allowed out of the workplace.

Environmental exposure

controls

Inform appropriate managerial or supervisory personnel of all environmental 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 stateLiquid.FormLiquid.ColorAmberOdorfishy

Melting point/freezing point Not available.

Boiling point or initial boiling

point and boiling range

>390 °F (>198,89 °C)

9,5 % estimated

Flammability Not applicable.

Upper/lower flammability or explosive limits

Explosive limit - lower (%) 1 % estimated

Flash point >201,0 °F (>93,9 °C)

Auto-ignition temperature Not available.

Decomposition temperature Not available.

pH ≤11,6

Explosive limit - upper (%)

Kinematic viscosity Not available.

Solubility

Solubility (water) <75 %

Partition coefficient

Not available.

(n-octanol/water) (log value)

Vapor pressure <0,1 mm Hg

Density and/or relative density

Density 1,01 g/cm3

Vapor density >1

Particle characteristics Not available.

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No relevant additional information available.

9.2.2. Other safety characteristics

Evaporation rate <1 **Specific gravity** 1,01

SECTION 10: Stability and reactivity

10.1. Reactivity Reacts violently with strong alkaline substances. This product may react with reducing agents.

10.2. Chemical stability Material is stable under normal conditions.

10.3. Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoid Avoid temperatures exceeding the flash point. Contact with incompatible materials. Do not mix with

other chemicals.

10.5. Incompatible materials Strong acids. Bases. Reducing agents. Alkaline metals. Peroxides. Phenols.

10.6. Hazardous No hazardous decomposition products are known.

decomposition products

SECTION 11: Toxicological information

General information Occupational exposure to the substance or mixture may cause adverse effects.

Information on likely routes of exposure

Inhalation May cause irritation to the respiratory system. Prolonged inhalation may be harmful.

Skin contact Causes severe skin burns. Harmful in contact with skin. May cause an allergic skin reaction.

Eve contact Causes serious eye damage.

Ingestion Causes digestive tract burns. Harmful if swallowed

Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may **Symptoms**

include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including

blindness could result

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

Harmful if inhaled. Harmful in contact with skin. Harmful if swallowed. Acute toxicity Components **Test Results** Species

3,6-diazaoctanethylenediamin; triethylenetetramine (CAS 112-24-3)

Acute

Dermal

Liquid

LD50 Rat 1465 mg/kg

Oral

Liquid

LD50 Rat 1716 mg/kg

bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)

Acute

Dermal

LD50 Rabbit 3000 mg/kg

Oral

LD50 Rat 3250 mg/kg

Skin corrosion/irritation Causes severe skin burns and eye damage.

Serious eye damage/eye

irritation

Causes serious eye damage.

Respiratory sensitization Due to partial or complete lack of data the classification is not possible.

May cause an allergic skin reaction. Skin sensitization

Due to partial or complete lack of data the classification is not possible. Germ cell mutagenicity Carcinogenicity Due to partial or complete lack of data the classification is not possible.

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

bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)

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

Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)

bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7) Toxic for reproduction, Category 1B.

Specific target organ toxicity -

single exposure

Due to partial or complete lack of data the classification is not possible.

Specific target organ toxicity -

repeated exposure

Aspiration hazard

Due to partial or complete lack of data the classification is not possible.

Due to partial or complete lack of data the classification is not possible.

Mixture versus substance

information

No information available.

11.2. Information on other hazards

Endocrine disrupting

properties

This mixture does not contain any substances having endocrine disrupting properties with respect to human health as assessed in accordance with the criteria set out in Regulations (EC) No 1907/2006, (EU) No 2017/2100 and (EU) 2018/605, at a concentration equal to or greater than

0.1% by weight.

Other information Not available

SECTION 12: Ecological information

12.1. Toxicity Harmful to aquatic life with long lasting effects. Because of the low pH of this product, it would be

expected to produce significant ecotoxicity upon exposure to aquatic organisms and aquatic systems. Based on available data, the classification criteria are not met for hazardous to the

aquatic environment, acute hazard.

12.2. Persistence and

No data is available on the degradability of any ingredients in the mixture.

degradability

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water (log Kow)

> bisphenol A; 4,4'-isopropylidenediphenol 3,32

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

This mixture does not contain any substances having endocrine disrupting properties with respect to the environment as assessed in accordance with the criteria set out in Regulations (EC) No 1907/2006, (EU) No 2017/2100 and (EU) 2018/605, at a concentration equal to or greater than

0.1% by weight.

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.

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

disposal company.

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow Disposal methods/information

this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches

with chemical or used container. Dispose of contents/container in accordance with

local/regional/national/international regulations.

Dispose in accordance with all applicable regulations. Special precautions

SECTION 14: Transport information

ADR

UN2735 14.1. UN number

Amines, liquid, corrosive, n.o.s. (2,2'-iminodiethylamine; diethylenetriamine, 14.2. UN proper shipping

3,6-diazaoctanethylenediamin; triethylenetetramine)

14.3. Transport hazard class(es)

Class 8 Subsidiary risk Label(s) 8

Hazard No. (ADR) Not assigned. **Tunnel restriction code** Not assigned.

14.4. Packing group Ш 14.5. Environmental hazards No.

14.6. Special precautions

Read safety instructions, SDS and emergency procedures before handling.

for user

RID

14.1. UN number UN2735

Amines, liquid, corrosive, n.o.s. (2,2'-iminodiethylamine; diethylenetriamine, 14.2. UN proper shipping

3,6-diazaoctanethylenediamin; triethylenetetramine) name

14.3. Transport hazard class(es)

8 Class Subsidiary risk 8 Label(s) ш 14.4. Packing group 14.5. Environmental hazards No.

Material name: Chockfast Gray Hardener GP103H Version #: 14 Revision date: 07-26-2023 Issue date: 03-11-2013 14.6. Special precautions Read safety instructions, SDS and emergency procedures before handling.

for user

ADN

UN2735 14.1. UN number

14.2. UN proper shipping Amines, liquid, corrosive, n.o.s. (2,2'-iminodiethylamine; diethylenetriamine,

3,6-diazaoctanethylenediamin; triethylenetetramine) name

14.3. Transport hazard class(es)

Class 8 Subsidiary risk 8 Label(s) Ш 14.4. Packing group 14.5. Environmental hazards No.

Read safety instructions, SDS and emergency procedures before handling. 14.6. Special precautions

for user

IATA

14.1. UN number UN2735

14.2. UN proper shipping Amines, liquid, corrosive, n.o.s. (2,2'-iminodiethylamine; diethylenetriamine,

3,6-diazaoctanethylenediamin; triethylenetetramine) name

14.3. Transport hazard class(es)

Class 8 Subsidiary risk 14.4. Packing group Ш 14.5. Environmental hazards No.

14.6. Special precautions Read safety instructions, SDS and emergency procedures before handling.

for user

Other information

Passenger and cargo

aircraft

Allowed with restrictions.

Cargo aircraft only Allowed with restrictions.

IMDG

UN2735 14.1. UN number

Amines, liquid, corrosive, n.o.s. (2,2'-iminodiethylamine; diethylenetriamine, 14.2. UN proper shipping

3,6-diazaoctanethylenediamin; triethylenetetramine) name

14.3. Transport hazard class(es)

Class 8 Subsidiary risk Ш 14.4. Packing group 14.5. Environmental hazards Marine pollutant No.

EmS Not assigned.

14.6. Special precautions

for user

Read safety instructions, SDS and emergency procedures before handling.

14.7. Maritime transport in bulk

according to IMO instruments

Not established.

ADN; ADR; IATA; IMDG; RID



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.
- Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended Not listed.
- Regulation (EU) No. 649/2012 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

bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)

UFI:

Austria: GXC0-60RQ-400J-S73N Belgium: GXC0-60RQ-400J-S73N Bulgaria: GXC0-60RQ-400J-S73N Croatia: GXC0-60RQ-400J-S73N Cyprus: GXC0-60RQ-400J-S73N

Czech Republic: GXC0-60RQ-400J-S73N Denmark: GXC0-60RQ-400J-S73N Estonia: GXC0-60RQ-400J-S73N EU: GXC0-60RQ-400J-S73N Finland: GXC0-60RQ-400J-S73N France: GXC0-60RQ-400J-S73N Germany: GXC0-60RQ-400J-S73N Greece: GXC0-60RQ-400J-S73N Hungary: GXC0-60RQ-400J-S73N Iceland: GXC0-60RQ-400J-S73N Ireland: GXC0-60RQ-400J-S73N Italy: GXC0-60RQ-400J-S73N Latvia: GXC0-60RQ-400J-S73N Lithuania: GXC0-60RQ-400J-S73N Luxembourg: GXC0-60RQ-400J-S73N Malta: GXC0-60RQ-400J-S73N Netherlands: GXC0-60RQ-400J-S73N Norway: GXC0-60RQ-400J-S73N Poland: GXC0-60RQ-400J-S73N Portugal: GXC0-60RQ-400J-S73N

Authorizations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended Not listed.

Romania: GXC0-60RQ-400J-S73N Slovakia: GXC0-60RQ-400J-S73N Slovenia: GXC0-60RQ-400J-S73N Spain: GXC0-60RQ-400J-S73N Sweden: GXC0-60RQ-400J-S73N

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use, as amended - Conditions of restriction given for the associated entry number should be considered

bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7) 66

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

bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)

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

Regulation) as amended. This Safety Data Sheet complies with the requirements of Regulation

(EC) No 1907/2006, as amended.

National regulations

Young people under 18 years old are not allowed to work with this product according to EU

Disagring 04/33/FC on the protection of young people at work, as amended, Follow patients.

Directive 94/33/EC on the protection of young people at work, as amended. Follow national regulation for work with chemical agents in accordance with Directive 98/24/EC, as amended.

France regulations

France INRS Table of Occupational Diseases

Not regulated.

Product registration number

 Austria
 UFI: GXC0-60RQ-400J-S73N

 Belgium
 UFI: GXC0-60RQ-400J-S73N

 Czech Republic
 UFI: GXC0-60RQ-400J-S73N

 Denmark
 UFI: GXC0-60RQ-400J-S73N

European Union UFI: GXC0-60RQ-400J-S73N **Finland** UFI: GXC0-60RQ-400J-S73N France UFI: GXC0-60RQ-400J-S73N Germany UFI: GXC0-60RQ-400J-S73N UFI: GXC0-60RQ-400J-S73N Greece UFI: GXC0-60RQ-400J-S73N Hungary Italy UFI: GXC0-60RQ-400J-S73N **Netherlands** UFI: GXC0-60RQ-400J-S73N Norway UFI: GXC0-60RQ-400J-S73N UFI: GXC0-60RQ-400J-S73N **Poland** UFI: GXC0-60RQ-400J-S73N **Portugal** Slovakia UFI: GXC0-60RQ-400J-S73N Slovenia UFI: GXC0-60RQ-400J-S73N Spain UFI: GXC0-60RQ-400J-S73N Sweden UFI: GXC0-60RQ-400J-S73N **Switzerland** UFI: GXC0-60RQ-400J-S73N

15.2. Chemical safety

assessment

No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

List of abbreviations

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.

ADR: Agreement concerning the International Carriage of Dangerous Goods by Road.

AGW: Occupational threshold limit value (Arbeitsplatzgrenzwert - Germany).

CAS: Chemical Abstract Service.

CEN: European Committee for Standardization. IATA: International Air Transport Association.

IBC Code: International Code for the Construction and Equipment of Ships Carrying Dangerous

Chemicals in Bulk.

Not available

IMDG: International Maritime Dangerous Goods.

MAC: Maximum Allowed Concentration.

MARPOL: International Convention for the Prevention of Pollution from Ships.

PBT: Persistent, bioaccumulative and toxic.

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail.

STEL: Short term exposure limit. TLV: Threshold Limit Value. TWA: Time Weighted Average. VLE: Exposure Limit Value. VME: Exposure Average Value.

vPvB: Very persistent and very bioaccumulative.

References

Information on evaluation method leading to the classification of mixture

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

Full text of any statements, which are not written out in full

under sections 2 to 15

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H335 May cause respiratory irritation.

H360F May damage fertility.

H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects. Physical & Chemical Properties: Multiple Properties

Revision information Training information

Follow training instructions when handling this material.

Disclaimer

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Material name: Chockfast Gray Hardener

SDS FII