SAFETY DATA SHEET

Version # 14

Issue date: 02-12-2014 Revision date: 07-27-2023 Supersedes date: 07-12-2023

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

1.1. Product identifier

Trade name or designation

of the mixture

Synonyms

Chockfast Red Hardener

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

Registration number

None.

GP107H SKU#

Identified uses Not available. Uses advised against None known.

1.3. Details of the supplier of the safety data sheet

ITW Performance Polymers Company Name

Bay 150 Address

Shannon Industrial Estate

Co. Clare Ireland V14 DF82

Contact Person Customer Service Telephone Number 353(61)771500

353(61)471285

customerservice.shannon@itwpp.com **Fmail**

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

1.4. Emergency telephone number

General in EU 112 (Available 24 hours a day. SDS/Product information may not be available for

the Emergency Service.)

Austria National Poisons

Information Center

+431 406 4343 (Available 24 hours a day. SDS/Product information may not be

available for the Emergency Service.)

Belgium National Poisons

Control Center

070 245 245 (Available 24 hours a day. SDS/Product information may not be

available for the Emergency Service.)

Bulgaria National

Toxicological Information

Center

+359 2 9154 233 (Available 24 hours a day. SDS/Product information may not be

available for the Emergency Service.)

Croatia Poisons Information Center +385 1 2348 342 (Hours of operation not provided. SDS/Product information may

not be available for the Emergency Service.)

Cyprus Poison Center

1401 (Available 24 hours a day. SDS/Product information may not be available

for the Emergency Service.)

Czech Republic National Poisons Information

Center

Control Center

+420 224 919 293, or +420 224 915 402 (Hours of operation not provided. SDS/Product information may not be available for the Emergency Service.)

Denmark National Poisons

+45 82 12 12 12 (Available 24 hours a day. SDS/Product information may not be

available for the Emergency Service.)

Estonia National Poisons Information Center

16662 or abroad: (+372) 626 9390 (Monday 9:00AM to Saturday 9:00AM (closed on Sundays and on national holidays). SDS/Product information may not be

available for the Emergency Service.)

Finland National Poison Information Center

(09) 471 977 (direct) or (09) 4711 (exchange) (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

France National Poisons Control Center

ORFILA number (INRS): + 33 (0) 1 45 42 59 59 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

Material name: Chockfast Red Hardener

1.4. Emergency telephone number

Greece Poison Information Centre

(0030) 2107793777 (Available 24 hours a day. SDS/Product information may not

be available for the Emergency Service.)

Hungary National Emergency Phone Number

+36-80-201-199 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

Iceland Poison Center

(+354) 543 2222 (Available 24 hours a day. SDS/Product information may not be

available for the Emergency Service.)

Latvia Emergency medical

aid

+371 67042473 (Available 24 hours a day. SDS/Product information may not be

available for the Emergency Service.) Information Center

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Lithuania Neatidėliotina informacija apsinuodijus

Latvia Poison and Drug

+370 5 236 20 52 or +37068753378 (Hours of operation not provided. SDS/Product information may not be available for the Emergency Service.)

Malta Accident and **Emergency Department**

2545 4030 (Hours of operation not provided. SDS/Product information may not be available for the Emergency Service.)

Netherlands National Poisons Information Center (NVIC)

NVIC: +31 (0)88 755 8000 (Only for the purpose of informing medical personnel

in cases of acute intoxications)

Norway Norwegian Poison Information Center

22 59 13 00 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

800 250 250 (Available 24 hours a day. SDS/Product information may not be **Portugal Poison Center**

available for the Emergency Service.)

Romania Biroul RSI si Informare Toxicologica 021.318.36.06 (Available 8:00AM-3:00PM. SDS/Product information may not be available for the Emergency Service.)

Slovakia National Toxicological Information Center

+421 2 5477 4166 (Available 24 hours a day. SDS/Product information may not

be available for the Emergency Service.)

Spain Toxicology Information Service + 34 91 562 04 20 (Available 24 hours a day. SDS/Product information may not

be available for the Emergency Service.)

Sweden National Poison Information Center

112 - and ask for Poison Information (Available 24 hours a day. SDS/Product

information may not be available for the Emergency Service.)

Switzerland Tox Info Suisse

145 (Available 24 hours a day. SDS/Product information may not be available for

the Emergency Service.)

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

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

> H314 - Causes severe skin burns Category 1B

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

Skin corrosion/irritation

H411 - Toxic to aquatic life with Hazardous to the aquatic environment, Category 2 long-term aquatic hazard

long lasting effects.

2.2. Label elements

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

UFI:

Austria: N4D0-704G-R00H-3W8S Belgium: N4D0-704G-R00H-3W8S Bulgaria: N4D0-704G-R00H-3W8S Croatia: N4D0-704G-R00H-3W8S Cyprus: N4D0-704G-R00H-3W8S

Czech Republic: N4D0-704G-R00H-3W8S Denmark: N4D0-704G-R00H-3W8S Estonia: N4D0-704G-R00H-3W8S EU: N4D0-704G-R00H-3W8S Finland: N4D0-704G-R00H-3W8S France: N4D0-704G-R00H-3W8S Germany: N4D0-704G-R00H-3W8S Greece: N4D0-704G-R00H-3W8S Hungary: N4D0-704G-R00H-3W8S Iceland: N4D0-704G-R00H-3W8S Ireland: N4D0-704G-R00H-3W8S Italy: N4D0-704G-R00H-3W8S Latvia: N4D0-704G-R00H-3W8S Lithuania: N4D0-704G-R00H-3W8S Luxembourg: N4D0-704G-R00H-3W8S Malta: N4D0-704G-R00H-3W8S

Malta: N4D0-704G-R00H-3W8S Netherlands: N4D0-704G-R00H-3W8S Norway: N4D0-704G-R00H-3W8S Poland: N4D0-704G-R00H-3W8S Portugal: N4D0-704G-R00H-3W8S Romania: N4D0-704G-R00H-3W8S Slovakia: N4D0-704G-R00H-3W8S Slovenia: N4D0-704G-R00H-3W8S Spain: N4D0-704G-R00H-3W8S

Contains: 2,2'-iminodiethylamine; diethylenetriamine, 3,6,9-triazaundecamethylenediamine;

tetraethylenepentamine, Amidoamine

Sweden: N4D0-704G-R00H-3W8S

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.

H411 Toxic 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.

P391 Collect spillage.

Storage

P405 Store locked up.

Disposal

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

Supplemental label information 100% of the mixture consists of component(s) of unknown acute 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
Amidoamine	60 - 100	68953-36-6 273-201-6	-	-	
Classification:	-				
3,6,9-triazaundecamethylenediamine; tetraethylenepentamine	5 - < 10	112-57-2 203-986-2	-	612-060-00-0	
	mg/kg bw)		ng/kg bw), Acute Tox. 4;H31; , Eye Dam. 1;H318, Skin Sei		
2,2'-iminodiethylamine; diethylenetriamine	3 - < 5	111-40-0 203-865-4	01-2119473793-27-0000	612-058-00-X	
Classification:			ng/kg bw), Acute Tox. 4;H31: , Eye Dam. 1;H318, Skin Sel		
Other components below reportable levels	5 - < 10				

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.

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

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.

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

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.

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

present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Ingestion Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If

vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

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 W

media

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

Material name: Chockfast Red Hardener

Unsuitable extinguishing

media

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

5.2. Special hazards arising from the substance or mixture

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 methodsUse 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 unnecessa

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

6.3. Methods and material for containment and cleaning up

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).

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

ANNEX 1, PART 1 Categories of dangerous substances

Hazard categories in accordance with Regulation (EC) No 1272/2008

- E2 Hazardous to the Aquatic Environment Chronic (Lower-tier requirements = 200 tons;

Upper-tier requirements = 500 tons)

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

Austria. MAK List, OEL Ordinance Components	Туре	Value	
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	MAK	4 mg/m3	
		1 ppm	

Chemical agents, as amended Components	Туре	Value
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	TWA	4,3 mg/m3
		1 ppm
Bulgaria OFI's Ordinance No 13	on protection of workers agai	nst risks of exposure to chemical agents at work, as
amended	on protoction or workers again	not note of exposure to enemical agente at work, as
Components	Туре	Value
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	TWA	4 mg/m3
Croatia. OELs (GVI). Regulation o	on Protection of Workers again	st Exposure to Dangerous Chemicals at Work, OELs an
Biological Limit Values, Annex I (• • • • • • • • • • • • • • • • • • • •	
Components	Туре	Value
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	MAC	4,3 mg/m3
		1 ppm
Cyprus. OELs. Control of factory	atmosphere and dangerous su	ubstances in factories regulation, PI 311/73, as amended
Components	Туре	Value
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	TWA	4 mg/m3
		<u>,</u>
		1 ppm
Czach Ranublic Occupational ev	mosure limit values of chemics	• •
		1 ppm als at work (Decree on protection of health at work,
361/2007, Annex 2, Part A & Anne		• •
361/2007, Annex 2, Part A & Anne Components 2,2'-iminodiethylamine; diethylenetriamine (CAS	ex 3, Part A, as amended)	als at work (Decree on protection of health at work,
361/2007, Annex 2, Part A & Anne Components 2,2'-iminodiethylamine; diethylenetriamine (CAS	ex 3, Part A, as amended) Type	als at work (Decree on protection of health at work,
361/2007, Annex 2, Part A & Anne Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	ex 3, Part A, as amended) Type Ceiling TWA	Value 8 mg/m3 4 mg/m3
361/2007, Annex 2, Part A & Anne Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) Denmark. Work Environment Aut	ex 3, Part A, as amended) Type Ceiling TWA	Value 8 mg/m3 4 mg/m3
361/2007, Annex 2, Part A & Anne Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) Denmark. Work Environment Aut Components 2,2'-iminodiethylamine; diethylenetriamine (CAS	ex 3, Part A, as amended) Type Ceiling TWA Chority. Exposure Limits for Su	Value 8 mg/m3 4 mg/m3 bstances & Materials, Annex 2
361/2007, Annex 2, Part A & Anne Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) Denmark. Work Environment Aut Components 2,2'-iminodiethylamine; diethylenetriamine (CAS	ex 3, Part A, as amended) Type Ceiling TWA Chority. Exposure Limits for Su Type	Value 8 mg/m3 4 mg/m3 bstances & Materials, Annex 2 Value 4 mg/m3
361/2007, Annex 2, Part A & Anne Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) Denmark. Work Environment Aut Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	ex 3, Part A, as amended) Type Ceiling TWA Chority. Exposure Limits for Su Type TLV	Value 8 mg/m3 4 mg/m3 bstances & Materials, Annex 2 Value 4 mg/m3 1 ppm
361/2007, Annex 2, Part A & Anne Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) Denmark. Work Environment Aut Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) Estonia. OELs. Occupational Exp	ex 3, Part A, as amended) Type Ceiling TWA Chority. Exposure Limits for Su Type TLV	Value 8 mg/m3 4 mg/m3 bstances & Materials, Annex 2 Value 4 mg/m3
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) Denmark. Work Environment Aut Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) Estonia. OELs. Occupational Exp Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 12,2'-iminodiethylamine; diethylenetriamine (CAS	Type Ceiling TWA Chority. Exposure Limits for Su Type TLV Dosure Limits of Hazardous Su	Value 8 mg/m3 4 mg/m3 bstances & Materials, Annex 2 Value 4 mg/m3 1 ppm bstances (Regulation No. 105/2001, Annex), as amended
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) Denmark. Work Environment Aut Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) Estonia. OELs. Occupational Exp Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 12,2'-iminodiethylamine; diethylenetriamine (CAS	Type Ceiling TWA Chority. Exposure Limits for Su Type TLV Cosure Limits of Hazardous Sui Type	Value 8 mg/m3 4 mg/m3 bstances & Materials, Annex 2 Value 4 mg/m3 1 ppm bstances (Regulation No. 105/2001, Annex), as amended Value 10 mg/m3
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) Denmark. Work Environment Aut Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) Estonia. OELs. Occupational Exp Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 12,2'-iminodiethylamine; diethylenetriamine (CAS	Type Ceiling TWA Chority. Exposure Limits for Su Type TLV Cosure Limits of Hazardous Sui Type	Value 8 mg/m3 4 mg/m3 bstances & Materials, Annex 2 Value 4 mg/m3 1 ppm bstances (Regulation No. 105/2001, Annex), as amended Value
361/2007, Annex 2, Part A & Anne Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) Denmark. Work Environment Aut Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) Estonia. OELs. Occupational Exp Components 2,2'-iminodiethylamine; diethylenetriamine (CAS	Type Ceiling TWA Chority. Exposure Limits for Su Type TLV Cosure Limits of Hazardous Sul Type STEL	Value 8 mg/m3 4 mg/m3 bstances & Materials, Annex 2 Value 4 mg/m3 1 ppm bstances (Regulation No. 105/2001, Annex), as amended Value 10 mg/m3 2 ppm 4,5 mg/m3
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) Denmark. Work Environment Aut Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) Estonia. OELs. Occupational Exp Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	cex 3, Part A, as amended) Type Ceiling TWA Chority. Exposure Limits for Su Type TLV Cosure Limits of Hazardous Sul Type STEL TWA	Value 8 mg/m3 4 mg/m3 bstances & Materials, Annex 2 Value 4 mg/m3 1 ppm bstances (Regulation No. 105/2001, Annex), as amended Value 10 mg/m3 2 ppm 4,5 mg/m3 1 ppm
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) Denmark. Work Environment Aut Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) Estonia. OELs. Occupational Exp Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) Estonia. OELs. Occupational Exp Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	cex 3, Part A, as amended) Type Ceiling TWA Chority. Exposure Limits for Su Type TLV Cosure Limits of Hazardous Sul Type STEL TWA	Value 8 mg/m3 4 mg/m3 bstances & Materials, Annex 2 Value 4 mg/m3 1 ppm bstances (Regulation No. 105/2001, Annex), as amended Value 10 mg/m3 2 ppm 4,5 mg/m3 1 ppm
Gomponents 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) Denmark. Work Environment Aut Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) Estonia. OELs. Occupational Exp Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) Finland. HTP-arvot, App 3., Bindi Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	Type Ceiling TWA Chority. Exposure Limits for Su Type TLV Cosure Limits of Hazardous Sul Type STEL TWA TWA	Value 8 mg/m3 4 mg/m3 bstances & Materials, Annex 2 Value 4 mg/m3 1 ppm bstances (Regulation No. 105/2001, Annex), as amended Value 10 mg/m3 2 ppm 4,5 mg/m3 1 ppm and Ministry of Health
Gomponents 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) Denmark. Work Environment Aut Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) Estonia. OELs. Occupational Exp Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) Finland. HTP-arvot, App 3., Bindi Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	cex 3, Part A, as amended) Type Ceiling TWA Chority. Exposure Limits for Su Type TLV Cosure Limits of Hazardous Sul Type STEL TWA TWA Ing Limit Values, Social Affairs Type	Als at work (Decree on protection of health at work, Value 8 mg/m3 4 mg/m3 bstances & Materials, Annex 2 Value 4 mg/m3 1 ppm bstances (Regulation No. 105/2001, Annex), as amended Value 10 mg/m3 2 ppm 4,5 mg/m3 1 ppm and Ministry of Health Value 13 mg/m3
Gomponents 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) Denmark. Work Environment Aut Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) Estonia. OELs. Occupational Exp Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) Finland. HTP-arvot, App 3., Bindi Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	cex 3, Part A, as amended) Type Ceiling TWA Chority. Exposure Limits for Su Type TLV Cosure Limits of Hazardous Sul Type STEL TWA Ing Limit Values, Social Affairs Type STEL	Als at work (Decree on protection of health at work, Value 8 mg/m3 4 mg/m3 bstances & Materials, Annex 2 Value 4 mg/m3 1 ppm bstances (Regulation No. 105/2001, Annex), as amended Value 10 mg/m3 2 ppm 4,5 mg/m3 1 ppm and Ministry of Health Value 13 mg/m3 3 ppm
361/2007, Annex 2, Part A & Anne Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) Denmark. Work Environment Aut Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	cex 3, Part A, as amended) Type Ceiling TWA Chority. Exposure Limits for Su Type TLV Cosure Limits of Hazardous Sul Type STEL TWA TWA Ing Limit Values, Social Affairs Type	Als at work (Decree on protection of health at work, Value 8 mg/m3 4 mg/m3 bstances & Materials, Annex 2 Value 4 mg/m3 1 ppm bstances (Regulation No. 105/2001, Annex), as amended Value 10 mg/m3 2 ppm 4,5 mg/m3 1 ppm and Ministry of Health Value 13 mg/m3

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2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	VME	4 mg/m3
Regulatory status: Indicativ	ve limit (VL)	
		1 ppm
Regulatory status: Indicativ	ve limit (VL)	
Greece. OELs, Presidential Decre Components	ee No. 307/1986, as amended Type	Value
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	TWA	4 mg/m3
		1 ppm
	ction of workers exposed to ch	emical agents (5/2020. (II.6)), Annex 1&2, as amended
Components	Туре	Value
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	STEL	8 mg/m3
	TWA	4 mg/m3
Iceland. OELs. Regulation 390/20 Components	009 on Pollution Limits and Mea Type	asures to Reduce Pollution at the Workplace, as amende Value
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	TWA	4,5 mg/m3
,		1 ppm
Ireland. OELVs, Schedules 1 & 2, Components	, Code of Practice for Chemical Type	Agents and Carcinogens Regulations Value
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	TWA	4 mg/m3
,		1 ppm
Kala OFI a (Lastata)	.81, 9 April 2008), as amended	
italy. OELS (Legislative Decree n.		Value
Italy. OELs (Legislative Decree n Components	Type	1 4.140
Components 2,2'-iminodiethylamine; diethylenetriamine (CAS	Type TWA	1 ppm
Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) Lithuania. OELs. Occupational E: V-824/A1-389), as amended	TWA xposure Limit Values for Chem	1 ppm iical Substances (Hygiene Norm HN 23:2011; Order No.
Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) Lithuania. OELs. Occupational E: V-824/A1-389), as amended Components	TWA xposure Limit Values for Chem Type	1 ppm iical Substances (Hygiene Norm HN 23:2011; Order No. Value
Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) Lithuania. OELs. Occupational E: V-824/A1-389), as amended Components 2,2'-iminodiethylamine; diethylenetriamine (CAS	TWA xposure Limit Values for Chem	1 ppm iical Substances (Hygiene Norm HN 23:2011; Order No.
Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) Lithuania. OELs. Occupational E: V-824/A1-389), as amended Components 2,2'-iminodiethylamine; diethylenetriamine (CAS	TWA xposure Limit Values for Chem Type	1 ppm lical Substances (Hygiene Norm HN 23:2011; Order No. Value 10 mg/m3 2 ppm
Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) Lithuania. OELs. Occupational E: V-824/A1-389), as amended Components 2,2'-iminodiethylamine; diethylenetriamine (CAS	TWA xposure Limit Values for Chem Type	1 ppm iical Substances (Hygiene Norm HN 23:2011; Order No. Value 10 mg/m3
Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) Lithuania. OELs. Occupational E: V-824/A1-389), as amended Components 2,2'-iminodiethylamine; diethylenetriamine (CAS	TWA xposure Limit Values for Chem Type STEL	1 ppm lical Substances (Hygiene Norm HN 23:2011; Order No. Value 10 mg/m3 2 ppm
Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) Lithuania. OELs. Occupational E: V-824/A1-389), as amended Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) Norway. Regulation No. 1358 on Infection Groups for Biological F	TWA xposure Limit Values for Chem Type STEL TWA Measures and Limit Values for factors, as amended	1 ppm dical Substances (Hygiene Norm HN 23:2011; Order No. Value 10 mg/m3 2 ppm 4,5 mg/m3 1 ppm Physical and Chemical Factors in Work Environment an
Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) Lithuania. OELs. Occupational Extended Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) Norway. Regulation No. 1358 on Infection Groups for Biological F Components	TWA xposure Limit Values for Chem Type STEL TWA Measures and Limit Values for factors, as amended Type	1 ppm lical Substances (Hygiene Norm HN 23:2011; Order No. Value 10 mg/m3 2 ppm 4,5 mg/m3 1 ppm Physical and Chemical Factors in Work Environment an
Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) Lithuania. OELs. Occupational Extended Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	TWA xposure Limit Values for Chem Type STEL TWA Measures and Limit Values for factors, as amended	1 ppm dical Substances (Hygiene Norm HN 23:2011; Order No. Value 10 mg/m3 2 ppm 4,5 mg/m3 1 ppm Physical and Chemical Factors in Work Environment an

1286/2018, Annex 1) Components	Туре	Value
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	STEL	12 mg/m3
,	TWA	4 mg/m3
Portugal. VLEs. Norm on Components	occupational exposure to chemical aç Type	ents (NP 1796-2014) Value
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	TWA	1 ppm
	ues of Chemical Agents at Workplace	(Regulation 1.218/2006, M.O 845, Annex 1, 3&4, as
amended) Components	Туре	Value
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	STEL	4 mg/m3
111-40-0)		1 ppm
	TWA	2 mg/m3
		0,5 ppm
Spain. OELs. INSST, Límit (VLAs)	tes de Exposición Profesional Para Aç	jentes Químicos, Table 1-Valores Límites Ambienta
Components	Туре	Value
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	TWA	4,3 mg/m3
,		1 ppm
<u> </u>		
Sweden. OELs (Annex 1).	Work Environment Authority (AV), Oc	cupational Exposure Limit Values (AFS 2018:1), as
amended		cupational Exposure Limit Values (AFS 2018:1), as
amended Components	Туре	Value
amended Components 2,2'-iminodiethylamine; diethylenetriamine (CAS		
amended Components 2,2'-iminodiethylamine; diethylenetriamine (CAS	Туре	Value
amended Components 2,2'-iminodiethylamine; diethylenetriamine (CAS	Туре	Value 10 mg/m3
amended Components 2,2'-iminodiethylamine; diethylenetriamine (CAS	Type STEL	Value 10 mg/m3 2 ppm
amended Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) Switzerland. SUVA Grenze	Type STEL TWA werte am Arbeitsplatz: Aktuelle MAK-	Value 10 mg/m3 2 ppm 4,5 mg/m3 1 ppm
amended Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) Switzerland. SUVA Grenze Components	Type STEL TWA werte am Arbeitsplatz: Aktuelle MAK-1 Type	Value 10 mg/m3 2 ppm 4,5 mg/m3 1 ppm Verte Value
amended Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) Switzerland. SUVA Grenze	Type STEL TWA werte am Arbeitsplatz: Aktuelle MAK-	Value 10 mg/m3 2 ppm 4,5 mg/m3 1 ppm
amended Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) Switzerland. SUVA Grenzy Components 2,2'-iminodiethylamine; diethylenetriamine (CAS	Type STEL TWA werte am Arbeitsplatz: Aktuelle MAK-1 Type	Value 10 mg/m3 2 ppm 4,5 mg/m3 1 ppm Verte Value
amended Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) Switzerland. SUVA Grenzy Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	Type STEL TWA werte am Arbeitsplatz: Aktuelle MAK-1 Type	Value 10 mg/m3 2 ppm 4,5 mg/m3 1 ppm Verte Value 4 mg/m3 1 ppm
amended Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) Switzerland. SUVA Grenzy Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) UK. OELs. Workplace Exp Components 2,2'-iminodiethylamine; diethylenetriamine (CAS	Type STEL TWA werte am Arbeitsplatz: Aktuelle MAK-1 Type TWA TWA posure Limits (WELs) (EH40/2005 (Fou	Value 10 mg/m3 2 ppm 4,5 mg/m3 1 ppm Verte Value 4 mg/m3 1 ppm rth Edition 2020)), Table 1
amended Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) Switzerland. SUVA Grenzy Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) UK. OELs. Workplace Exp Components 2,2'-iminodiethylamine;	Type STEL TWA werte am Arbeitsplatz: Aktuelle MAK-Type TWA TWA cosure Limits (WELs) (EH40/2005 (Four	Value 10 mg/m3 2 ppm 4,5 mg/m3 1 ppm Verte Value 4 mg/m3 1 ppm rth Edition 2020)), Table 1 Value
amended Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) Switzerland. SUVA Grenzy Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) UK. OELs. Workplace Exp Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	Type STEL TWA werte am Arbeitsplatz: Aktuelle MAK-Type TWA TWA cosure Limits (WELs) (EH40/2005 (Four	Value 10 mg/m3 2 ppm 4,5 mg/m3 1 ppm Verte Value 4 mg/m3 1 ppm rth Edition 2020)), Table 1 Value 4,3 mg/m3 1 ppm
amended Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) Switzerland. SUVA Grenzy Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) UK. OELs. Workplace Exp Components 2,2'-iminodiethylamine; diethylenetriamine (CAS	Type STEL TWA werte am Arbeitsplatz: Aktuelle MAK-Type TWA rosure Limits (WELs) (EH40/2005 (Fourtype) TWA	Value 10 mg/m3 2 ppm 4,5 mg/m3 1 ppm Verte Value 4 mg/m3 1 ppm rth Edition 2020)), Table 1 Value 4,3 mg/m3 1 ppm or the ingredient(s).
amended Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) Switzerland. SUVA Grenze Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) UK. OELs. Workplace Exp Components 2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0) ogical limit values ommended monitoring	Type STEL TWA werte am Arbeitsplatz: Aktuelle MAK-1 Type TWA TWA TWA TWA No biological exposure limits noted for the state of t	Value 10 mg/m3 2 ppm 4,5 mg/m3 1 ppm Verte Value 4 mg/m3 1 ppm rth Edition 2020)), Table 1 Value 4,3 mg/m3 1 ppm or the ingredient(s).

concentrations (PNECs)

Exposure guidelines

Belgium OELs: Skin designation

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

(CAS 111-40-0)

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)

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.

Material name: Chockfast Red Hardener

quipment.

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

recommended.

Skin protection

- Hand protection Wear appropriate chemical resistant gloves.

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

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

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

Keep away from food and drink. Always observe good personal hygiene measures, such as Hygiene measures

> 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 state Liquid. **Form** Liquid. Color Amber. Odor Ammoniacal. Not available Melting point/freezing point

Boiling point or initial boiling point and boiling range

>737,6 °F (>392 °C)

Flammability Not applicable.

>200,0 °F (>93,3 °C) Closed Cup Flash point 609,8 °F (321 °C) estimated **Auto-ignition temperature**

Decomposition temperature Not available.

>7

Kinematic viscosity Not available

Solubility

Solubility (water) Not available. Not available. Partition coefficient

(n-octanol/water) (log value)

3,6 mm Hg @ 70F Vapor pressure

Density and/or relative density

Density 0,95 g/cm3 Vapor density Not available. Not available. Particle characteristics

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

0.95 Specific gravity

SECTION 10: Stability and reactivity

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

Material is stable under normal conditions. 10.2. Chemical stability

10.3. Possibility of hazardous

Material name: Chockfast Red Hardener

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.

10.5. Incompatible materials 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 contactCauses severe skin burns. Harmful in contact with skin. May cause an allergic skin reaction.

Eye contact Causes serious eye damage.

Ingestion Causes digestive tract burns. Harmful if swallowed.

Symptoms 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.

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

Acute toxicity Harmful in contact with skin. Harmful if swallowed.

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

Serious eye damage/eye

irritation

Causes serious eye damage.

Respiratory sensitization Based on available data, the classification criteria are not met.

Skin sensitization May cause an allergic skin reaction.

Germ cell mutagenicity

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

Carcinogenicity

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

Reproductive toxicity Not applicable.

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

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

Aspiration hazard 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. ToxicityToxic to aquatic life with long lasting effects. Due to partial or complete lack of data the

classification for hazardous to the aquatic environment, acute hazard, is not possible.

12.2. Persistence and

degradability

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

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water (log Kow)

3,6,9-triazaundecamethylenediamine; tetraethylenepentamine 1,503

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 effectsNo 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

Material name: Chockfast Red Hardener

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

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

Disposal instructions).

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

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

disposal

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

disposal company.

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

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.

Special precautionsDispose in accordance with all applicable regulations.

SECTION 14: Transport information

ADR

14.1. UN number UN1760

14.2. UN proper shipping CORROSIVE LIQUID, N.O.S. (Amidoamaine)

name

14.3. Transport hazard class(es)

Class 8
Subsidiary risk Label(s) 8
Hazard No. (ADR) 80
Tunnel restriction code E
14.4. Packing group III
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 UN1760

14.2. UN proper shipping CORROSIVE LIQUID, N.O.S. (Amidoamine)

name

14.3. Transport hazard class(es)

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

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

for user

ADN

14.1. UN number UN1760

14.2. UN proper shipping Corrosive Liquid, N.o.s. (Amidoamine)

name

14.3. Transport hazard class(es)

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

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

for user

IATA

14.1. UN number UN1760

14.2. UN proper shipping Corrosive liquid, n.o.s. (Amidoamine)

name

14.3. Transport hazard class(es)

Class 8
Subsidiary risk
14.4. Packing group III

14.5. Environmental hazards No.
ERG Code 8L

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

14.1. UN number UN1760

14.2. UN proper shipping CORROSIVE LIQUID, N.O.S. (Amidoamine)

name

14.3. Transport hazard class(es)

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

EmS F-A, S-B

14.6. Special precautions

Read safety instructions, SDS and emergency procedures before handling.

for user

14.7. Maritime transport in bulk

Not established.

according to IMO instruments



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

NOLIISLEG.

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 Not listed.

Material name: Chockfast Red Hardener

UFI:

Austria: N4D0-704G-R00H-3W8S Belgium: N4D0-704G-R00H-3W8S Bulgaria: N4D0-704G-R00H-3W8S Croatia: N4D0-704G-R00H-3W8S Cyprus: N4D0-704G-R00H-3W8S

Czech Republic: N4D0-704G-R00H-3W8S Denmark: N4D0-704G-R00H-3W8S Estonia: N4D0-704G-R00H-3W8S EU: N4D0-704G-R00H-3W8S Finland: N4D0-704G-R00H-3W8S France: N4D0-704G-R00H-3W8S Germany: N4D0-704G-R00H-3W8S Greece: N4D0-704G-R00H-3W8S Hungary: N4D0-704G-R00H-3W8S Iceland: N4D0-704G-R00H-3W8S Ireland: N4D0-704G-R00H-3W8S Italy: N4D0-704G-R00H-3W8S Latvia: N4D0-704G-R00H-3W8S Lithuania: N4D0-704G-R00H-3W8S Luxembourg: N4D0-704G-R00H-3W8S Malta: N4D0-704G-R00H-3W8S Netherlands: N4D0-704G-R00H-3W8S Norway: N4D0-704G-R00H-3W8S Poland: N4D0-704G-R00H-3W8S

Portugal: N4D0-704G-R00H-3W8S Romania: N4D0-704G-R00H-3W8S Slovakia: N4D0-704G-R00H-3W8S Slovenia: N4D0-704G-R00H-3W8S Spain: N4D0-704G-R00H-3W8S

Sweden: N4D0-704G-R00H-3W8S

Authorizations

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

Not listed.

Restrictions on use

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

Not listed.

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

Not listed.

Other EU regulations

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

ANNEX 1, PART 1 Categories of dangerous substances

Hazard categories in accordance with Regulation (EC) No 1272/2008

- E2 Hazardous to the Aquatic Environment Chronic

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 (EQ) No. 4007/00000 as a grounded.

(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 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

UFI: N4D0-704G-R00H-3W8S **Austria Belgium** UFI: N4D0-704G-R00H-3W8S **Czech Republic** UFI: N4D0-704G-R00H-3W8S UFI: N4D0-704G-R00H-3W8S Denmark **European Union** UFI: N4D0-704G-R00H-3W8S UFI: N4D0-704G-R00H-3W8S **Finland France** UFI: N4D0-704G-R00H-3W8S Germany UFI: N4D0-704G-R00H-3W8S UFI: N4D0-704G-R00H-3W8S Greece Hungary UFI: N4D0-704G-R00H-3W8S Italy UFI: N4D0-704G-R00H-3W8S **Netherlands** UFI: N4D0-704G-R00H-3W8S

UFI: N4D0-704G-R00H-3W8S Norway **Poland** UFI: N4D0-704G-R00H-3W8S **Portugal** UFI: N4D0-704G-R00H-3W8S Slovakia UFI: N4D0-704G-R00H-3W8S UFI: N4D0-704G-R00H-3W8S Slovenia Spain UFI: N4D0-704G-R00H-3W8S Sweden UFI: N4D0-704G-R00H-3W8S UFI: N4D0-704G-R00H-3W8S **Switzerland**

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.

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

Not available.

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.

H411 Toxic to aquatic life with long lasting effects.

Revision information

Physical & Chemical Properties: Multiple Properties

Training information

Follow training instructions when handling this material.

ITW Performance Polymers cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information related only to the energific material.

and belief at the date of its publication. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.

Material name: Chockfast Red Hardener

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SDS EU

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