SAFETY DATA SHEET

Version #: 08 Issue date: 10-14-2019 Revision date: 07-27-2023 Supersedes date: 07-12-2023

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

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1.1. Product identifier Trade name or designation of the mixture	Chockfast Versaflow Hardener
Registration number	-
Synonyms	None.
SKU#	GP140H
1.2. Relevant identified uses of t Identified uses	the substance or mixture and uses advised against Not available.
Uses advised against	None known.
1.3. Details of the supplier of the	e safety data sheet
Company Name	ITW Performance Polymers
Address	Bay 150
	Shannon Industrial Estate
	Co. Clare
	Ireland
	V14 DF82
Contact Person	
Telephone Number	353(61)771500 353(61)471285
Email	353(61)471285 customerservice.shannon@itwpp.com
Emergency Phone Number	44(0) 1235 239 670 (24 hours)
1.4. Emergency telephone numb 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	+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 Control Center	+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.)

1.4. Emergency telephone numb	
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	113
Latvia Poison and Drug Information Center	+371 67042473 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Lithuania Neatidėliotina informacija apsinuodijus	+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.)
Portugal Poison Center	800 250 250 (Available 24 hours a day. SDS/Product information may not be 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.
Skin corrosion/irritation	Category 1B	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.

2.2. Label elements

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

Austria: HKE0-T0V7-X00X-AQ5V Belgium: HKE0-T0V7-X00X-AQ5V Bulgaria: HKE0-T0V7-X00X-AQ5V Croatia: HKE0-T0V7-X00X-AQ5V Cyprus: HKE0-T0V7-X00X-AQ5V Czech Republic: HKE0-T0V7-X00X-AQ5V Denmark: HKE0-T0V7-X00X-AQ5V Estonia: HKE0-T0V7-X00X-AQ5V EU: HKE0-T0V7-X00X-AQ5V Finland: HKE0-T0V7-X00X-AQ5V France: HKE0-T0V7-X00X-AQ5V Germany: HKE0-T0V7-X00X-AQ5V Greece: HKE0-T0V7-X00X-AQ5V Hungary: HKE0-T0V7-X00X-AQ5V Iceland: HKE0-T0V7-X00X-AQ5V Ireland: HKE0-T0V7-X00X-AQ5V Italy: HKE0-T0V7-X00X-AQ5V Latvia: HKE0-T0V7-X00X-AQ5V Lithuania: HKE0-T0V7-X00X-AQ5V Luxembourg: HKE0-T0V7-X00X-AQ5V Malta: HKE0-T0V7-X00X-AQ5V Netherlands: HKE0-T0V7-X00X-AQ5V Norway: HKE0-T0V7-X00X-AQ5V Poland: HKE0-T0V7-X00X-AQ5V Portugal: HKE0-T0V7-X00X-AQ5V Romania: HKE0-T0V7-X00X-AQ5V Slovakia: HKE0-T0V7-X00X-AQ5V Slovenia: HKE0-T0V7-X00X-AQ5V Spain: HKE0-T0V7-X00X-AQ5V Sweden: HKE0-T0V7-X00X-AQ5V

Contains:

Hazard pictograms

2,4,6-tris(dimethylaminomethyl)phenol, 3,6-diazaoctanethylenediamin; triethylenetetramine, POLY(OXYPROPYLENE)DIAMINE, Triethylolamine



Signal word

Hazard statements

H302 H312	Harmful if swallowed. Harmful in contact with skin.
H312 H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.

Precautionary statements

Prevention

P260	Do not breathe vapor.	
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.	
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.	
sponse		

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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.
P310	Immediately call a POISON CENTER/doctor.
P333 + P313	If skin irritation or rash occurs: Get 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.

Supplemental label information

100% of the mixture consists of component(s) of unknown acute inhalation toxicity. 100% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 88,5% 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.

Beneral information % CAS-No. / EC No. REACH Registration No. Index No. Notes POLY(OXYPROPYLENE)DIAMINE 40 - 70 9046-10-0 -	3.2. Mixtures						
Chemical name % CAS-No. / EC No. REACH Registration No. Index No. Notes POLY(OXYPROPYLENE)DIAMINE 40 - 70 9046-10-0 -							
POLY(OXYPROPYLENE)DIAMINE 40 - 70 9046-10-0 Classification: - -			0/_	CAS-No / EC No	PEACH Pagistration No	Index No	Notos
Classification: - 2.4.6-tris(dimethylaminomethyl)pheno 10 - 30 90-72-2 202-013-9 Classification: Acute Tox 4.H302(ATE: 500 mg/kg bw), Acute Tox. 4.H312;(ATE: 1280 mg/kg bw), Skin Intt. 2;H315, Eye Intt. 2;H319 3.6-diazaoctanethylenediamin; 7 - 13 112-24-3 01-2119487919-13-0000 612-059-00-5 Signal acute Tox 4.H302(ATE: 1716 mg/kg bw), Acute Tox. 4.H312;(ATE: 1100 mg/kg bw), Skin Cort. 18/H314, Eye Dam. 1;H318, Skin Sens. 1;H317, Aquatic Chronic 3;H412 Aquatic Chronic 3;H412 Triethylolamine 1 - 5 102-71-6 203-049-8 Classification: Eye Irrit. 2;H319 Classification: Eye Irrit. 2;H319 Elseithication: Eye Irrit. 2;H319 List of abbreviations and symbols that may be used above ATE: Acute toxicity estimate. H-4actor VPWB: very persistent and very bioaccumulative substance. PBT: persistent, bioaccumulative and toxic substance. PBT: persistent, bioaccumulative and toxic substance. All concentrations are in percent by welght unless ingredient is a gas. Gas concentrations are in percent by volume. Sectrol 4.1 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1		IAMINE			-	-	110165
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mmediate medical attention 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.	All concentrations are in pe Composition comments SECTION 4: First aid me General information I.1. Description of first aid me Inhalation Skin contact Eye contact	rcent by we The fu easures Ensure protec clothin easures Move Remo or pois contar Immed preser Call a	eight unless ill text for all e that medic t themselve ng before ren to fresh air. ve contamir son control o minated clot diately flush nt and easy physician o	place exposure limit(ingredient is a gas. H-statements is disp cal personnel are awa s. Show this safety d use. Call a physician if sy pated clothing immed center immediately. O hing before reuse. eyes with plenty of v to do. Continue rinsi r poison control center	Gas concentrations are in per played in section 16. are of the material(s) involve lata sheet to the doctor in att rmptoms develop or persist. iately and wash skin with so Chemical burns must be treat vater for at least 15 minutes. ng. Call a physician or poiso er immediately. Rinse mouth	d, and take precat endance. Wash co ap and water. Call ted by a physician Remove contact I n control center im . Do not induce vo	ontaminated I a physician I. Wash Ienses, if Imediately.
SECTION 5: Eirefighting measures	All concentrations are in pe Composition comments SECTION 4: First aid me General information 4.1. Description of first aid me Inhalation Skin contact Eye contact Ingestion 4.2. Most important symptoms and effects, both acute and	rcent by we The fu Ensure protect clothin easures Move Remo or pois contar Immed preser Call a vomitii s Burnir include	eight unless ill text for all e that medic to themselve ng before rea to fresh air. ve contamir son control of minated clot diately flush nt and easy physician o ng occurs, k ng pain and e stinging, to	place exposure limit(ingredient is a gas. H-statements is disp cal personnel are awa s. Show this safety d use. Call a physician if sy hated clothing immed center immediately. O hing before reuse. eyes with plenty of v to do. Continue rinsin r poison control cente eep head low so tha severe corrosive skir earing, redness, swe	Gas concentrations are in per played in section 16. are of the material(s) involve lata sheet to the doctor in att reptoms develop or persist. iately and wash skin with so Chemical burns must be treat vater for at least 15 minutes. ng. Call a physician or poison er immediately. Rinse mouth t stomach content doesn't ge n damage. Causes serious e	d, and take precau endance. Wash co ap and water. Call ted by a physician Remove contact I n control center im . Do not induce vo et into the lungs. ye damage. Symp	ontaminated I a physician I. Wash Ienses, if Imediately. omiting. If otoms may
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from the substance or mixture 5.3. Advice for firefighters Special protective equipment for firefighters Special fire fighting procedures 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 For emergency responders For emergency responders 6.2. Environmental precautions 6.3. Methods and material for containment and cleaning up 6.3. Methods and material for containment and cleaning up Small Spills: Wipe up with absorbent material, if this is without risk. Dike the spilled material, where this i 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.	. .	Do not use water jet as an extinguisher, as this will spread the fire.
Special protective equipment for firefightersSelf-contained breathing apparatus and full protective clothing must be worn in case of fire. Move containers from fire area if you can do so without risk.Special fire fighting proceduresMove 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 measures6.1. Personal precautions, protective equipment and emergency procedures For non-emergency personnelDo not breathe mist/vapors. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.For emergency respondersDo not breathe mist/vapors. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.6.2. Environmental precautionsKeep 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 precautionsAvoid discharge into drains, water courses or onto the ground. Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this i 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.	• •	During fire, gases hazardous to health may be formed.
procedures 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 autonities should be advised if significant spillages cannot be contained. Use personal protection recommended in Section 8 of the SDS. 6.2. Environmental precautions Avoid discharge into drains, water courses or onto the ground. G.3. Methods and material for containment and cleaning up Case of the flow of material, if this is without risk. Dike the spilled material, where this i 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.	Special protective	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
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 discharge into drains, water courses or onto the ground. 6.3. Methods and material for containment and cleaning up Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this i 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.		Move containers from fire area if you can do so without risk.
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 discharge into drains, water courses or onto the ground. 6.3. Methods and material for containment and cleaning up Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this i 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.	Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
For non-emergency personnelDo not breathe mist/vapors. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.For emergency respondersDo not breathe mist/vapors.For emergency respondersKeep 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 precautionsAvoid discharge into drains, water courses or onto the ground. Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this i 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 containination. Never return spills to original containers for re-use.	SECTION 6: Accidental re	lease measures
personnelappropriate protective clothing.For emergency respondersKeep 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 precautionsAvoid discharge into drains, water courses or onto the ground. Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this i 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 containination. Never return spills to original containers for re-use.	6.1. Personal precautions, protection	ctive equipment and emergency procedures
 6.2. Environmental precautions 6.3. Methods and material for containment and cleaning up Avoid discharge into drains, water courses or onto the ground. Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this i 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 containnation. Never return spills to original containers for re-use. 		Do not breathe mist/vapors. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
 6.3. Methods and material for containment and cleaning up Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this i 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. 	For emergency responders	Local authorities should be advised if significant spillages cannot be contained. Use personal
containment and cleaning uppossible. 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.	6.2. Environmental precautions	Avoid discharge into drains, water courses or onto the ground.
remove residual contamination. Never return spills to original containers for re-use.		
6.4. Reference to other For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS		Never return spills to original containers for re-use.
	6.4. Reference to other	For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

sections

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. 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

Austria. MAK List, OEL Ordinance (GwV), BGBI. II, no. 184/2001, as amended

Components	Туре	Value	Form
Triethylolamine (CAS 102-71-6)	MAK	5 mg/m3	Inhalable fraction.
		0,8 ppm	Inhalable fraction.
	STEL	10 mg/m3	Inhalable fraction.
		1,6 ppm	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
Triethylolamine (CAS 102-71-6)	TWA	5 mg/m3

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	
Triethylolamine (CAS 102-71-6)	Ceiling	10 mg/m3	
	TWA	5 mg/m3	

Components	Туре	Value	
Triethylolamine (CAS 102-71-6)	TLV	3,1 mg/m3	
		0,5 ppm	
Estonia. OELs. Occupational Exp Components	osure Limits of Hazardous Su Type	bstances (Regulation No. 10 Value	5/2001, Annex), as amend
3,6-diazaoctanethylenedia nin; triethylenetetramine CAS 112-24-3)	STEL	12 mg/m3	
	TWA	6 mg/m3	
		1 ppm	
riethylolamine (CAS 02-71-6)	STEL	10 mg/m3	
02710)	TWA	5 mg/m3	
inland. HTP-arvot, App 3., Bindir	ng Limit Values, Social Affairs	-	
Components	Туре	Value	
riethylolamine (CAS 02-71-6)	TWA	5 mg/m3	
Germany. DFG MAK List (advisor n the Work Area (DFG), as update		nvestigation of Health Hazar	rds of Chemical Compoun
Components	Туре	Value	Form
riethylolamine (CAS 02-71-6)	TWA	1 mg/m3	Inhalable fraction.
Germany. TRGS 900, Limit Values Components	in the Ambient Air at the Wor Type	kplace Value	Form
riethylolamine (CAS 02-71-6)	AGW	1 mg/m3	Inhalable fraction.
celand. OELs. Regulation 390/200 Components	09 on Pollution Limits and Mea Type	asures to Reduce Pollution a Value	it the Workplace, as amen
,6-diazaoctanethylenedia nin; triethylenetetramine CAS 112-24-3)	TWA	6 mg/m3	
·		1 ppm	
riethylolamine (CAS 02-71-6)	TWA	5 mg/m3	
reland. OELVs, Schedules 1 & 2, components		l Agents and Carcinogens Re Value	egulations
riethylolamine (CAS	Type TWA	5 mg/m3	
02-71-6)	IWA	5 mg/m5	
taly. OELs (Legislative Decree n.8 Components	81, 9 April 2008), as amended Type	Value	
riethylolamine (CAS 02-71-6)	TWA	5 mg/m3	
		nical Substances (Hygiene N	
/-824/A1-389), as amended	posure Limit Values for Chem		orm HN 23:2011; Order No
/-824/A1-389), as amended	posure Limit Values for Chem Type	Value	orm HN 23:2011; Order No
7-824/A1-389), as amended components ,6-diazaoctanethylenedia nin; triethylenetetramine	-		orm HN 23:2011; Order No
/-824/A1-389), as amended Components 6,6-diazaoctanethylenedia nin; triethylenetetramine	Туре	Value	orm HN 23:2011; Order No
/-824/A1-389), as amended Components 8,6-diazaoctanethylenedia nin; triethylenetetramine	Туре	Value 12 mg/m3	orm HN 23:2011; Order No
/-824/A1-389), as amended Components 3,6-diazaoctanethylenedia nin; triethylenetetramine	Type STEL	Value 12 mg/m3 2 ppm	orm HN 23:2011; Order No
7-824/A1-389), as amended Components 3,6-diazaoctanethylenedia nin; triethylenetetramine CAS 112-24-3)	Type STEL	Value 12 mg/m3 2 ppm 6 mg/m3	orm HN 23:2011; Order No
Lithuania. OELs. Occupational Ex V-824/A1-389), as amended Components 3,6-diazaoctanethylenedia min; triethylenetetramine (CAS 112-24-3) Triethylolamine (CAS 102-71-6)	Type STEL TWA	Value 12 mg/m3 2 ppm 6 mg/m3 1 ppm	orm HN 23:2011; Order No

Components	Туре	Value	
3,6-diazaoctanethylenedia min; triethylenetetramine (CAS 112-24-3)	TLV	6 mg/m3	
		1 ppm	
Triethylolamine (CAS 102-71-6)	TLV	5 mg/m3	
Poland. Maximum permissibl 1286/2018, Annex 1)	e concentrations and intensities o	f harmful factors in the work	environment (Dz.U.Poz.
Components	Туре	Value	
3,6-diazaoctanethylenedia min; triethylenetetramine (CAS 112-24-3)	STEL	3 mg/m3	
	TWA	1 mg/m3	
	upational exposure to chemical ag		
Components	Туре	Value	
Triethylolamine (CAS 102-71-6)	TWA	5 mg/m3	
Romania. OELs. Limit Values	of Chemical Agents at Workplace	(Regulation 1.218/2006, M.C	9 845, Annex 1, 3&4, as
amended) Components	Туре	Value	
3,6-diazaoctanethylenedia min; triethylenetetramine (CAS 112-24-3)	STEL	20 mg/m3	
$((\Delta S 112 24 3))$			
(0//0/112-24-0)		3.3 ppm	
(0)(0)(1)2-2+ 0)	TWA	3,3 ppm 10 mg/m3	
(0) (0) (0) (0) (0) (0) (0) (0) (0) (0)	TWA	10 mg/m3	
`````		10 mg/m3 1,7 ppm	
Spain. OELs. INSST, Límites	TWA de Exposición Profesional Para Ag	10 mg/m3 1,7 ppm	lores Límites Ambientale
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Spain. OELs. INSST, Límites (VLAs) Components Triethylolamine (CAS	de Exposición Profesional Para Ag	10 mg/m3 1,7 ppm gentes Químicos, Table 1-Va	lores Límites Ambientale
Spain. OELs. INSST, Límites (VLAs) Components Triethylolamine (CAS 102-71-6) Sweden. OELs (Annex 1). Wo	de Exposición Profesional Para Ag Type	10 mg/m3 1,7 ppm gentes Químicos, Table 1-Va Value 5 mg/m3	
Spain. OELs. INSST, Límites (VLAs) Components Triethylolamine (CAS 102-71-6)	de Exposición Profesional Para Ag Type TWA	10 mg/m3 1,7 ppm gentes Químicos, Table 1-Va Value 5 mg/m3	
Spain. OELs. INSST, Límites (VLAs) Components Triethylolamine (CAS 102-71-6) Sweden. OELs (Annex 1). Wo amended Components 3,6-diazaoctanethylenedia	de Exposición Profesional Para Ag Type TWA rk Environment Authority (AV), Oc	10 mg/m3 1,7 ppm gentes Químicos, Table 1-Va Value 5 mg/m3 scupational Exposure Limit V	
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Spain. OELs. INSST, Límites (VLAs) Components Triethylolamine (CAS 102-71-6) Sweden. OELs (Annex 1). Wo amended Components 3,6-diazaoctanethylenedia min; triethylenetetramine	de Exposición Profesional Para Ag Type TWA rk Environment Authority (AV), Oc Type STEL	10 mg/m3 1,7 ppm gentes Químicos, Table 1-Va Value 5 mg/m3 ccupational Exposure Limit V Value 12 mg/m3 2 ppm	
Spain. OELs. INSST, Límites (VLAs) Components Triethylolamine (CAS 102-71-6) Sweden. OELs (Annex 1). Wo amended	de Exposición Profesional Para Ag Type TWA rk Environment Authority (AV), Oc Type	10 mg/m3 1,7 ppm gentes Químicos, Table 1-Va Value 5 mg/m3 ccupational Exposure Limit V Value 12 mg/m3 2 ppm 6 mg/m3	
Spain. OELs. INSST, Límites (VLAs) Components Triethylolamine (CAS 102-71-6) Sweden. OELs (Annex 1). Wo amended Components 3,6-diazaoctanethylenedia min; triethylenetetramine (CAS 112-24-3)	de Exposición Profesional Para Ag Type TWA rk Environment Authority (AV), Oc Type STEL TWA	10 mg/m3 1,7 ppm gentes Químicos, Table 1-Va Value 5 mg/m3 cupational Exposure Limit V Value 12 mg/m3 2 ppm 6 mg/m3 1 ppm	
Spain. OELs. INSST, Límites (VLAs) Components Triethylolamine (CAS 102-71-6) Sweden. OELs (Annex 1). Wo amended Components 3,6-diazaoctanethylenedia min; triethylenetetramine (CAS 112-24-3) Triethylolamine (CAS	de Exposición Profesional Para Ag Type TWA rk Environment Authority (AV), Oc Type STEL	10 mg/m3 1,7 ppm gentes Químicos, Table 1-Va Value 5 mg/m3 ccupational Exposure Limit V Value 12 mg/m3 2 ppm 6 mg/m3	
Spain. OELs. INSST, Límites (VLAs) Components Triethylolamine (CAS 102-71-6) Sweden. OELs (Annex 1). Wo amended Components 3,6-diazaoctanethylenedia min; triethylenetetramine	de Exposición Profesional Para Ag Type TWA rk Environment Authority (AV), Oc Type STEL TWA	10 mg/m3 1,7 ppm gentes Químicos, Table 1-Va Value 5 mg/m3 cupational Exposure Limit V Value 12 mg/m3 2 ppm 6 mg/m3 1 ppm	
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Spain. OELs. INSST, Límites (VLAs) Components Triethylolamine (CAS 102-71-6) Sweden. OELs (Annex 1). Wo amended Components 3,6-diazaoctanethylenedia min; triethylenetetramine (CAS 112-24-3) Triethylolamine (CAS 102-71-6) Switzerland. SUVA Grenzwer	de Exposición Profesional Para Ag Type TWA rk Environment Authority (AV), Oc Type STEL TWA STEL TWA STEL TWA	10 mg/m3 1,7 ppm gentes Químicos, Table 1-Va Value 5 mg/m3 cupational Exposure Limit V Value 12 mg/m3 2 ppm 6 mg/m3 1 ppm 10 mg/m3 1,6 ppm 5 mg/m3 0,8 ppm Werte	/alues (AFS 2018:1), as
Spain. OELs. INSST, Límites (VLAs) Components Triethylolamine (CAS 102-71-6) Sweden. OELs (Annex 1). Wo amended Components 3,6-diazaoctanethylenedia min; triethylenetetramine (CAS 112-24-3) Triethylolamine (CAS 102-71-6) Switzerland. SUVA Grenzwer Components	de Exposición Profesional Para Ag Type TWA rk Environment Authority (AV), Oc Type STEL TWA STEL TWA ste am Arbeitsplatz: Aktuelle MAK-M Type	10 mg/m3 1,7 ppm gentes Químicos, Table 1-Va Value 5 mg/m3 ccupational Exposure Limit V Value 12 mg/m3 2 ppm 6 mg/m3 1 ppm 10 mg/m3 1,6 ppm 5 mg/m3 0,8 ppm Value	/alues (AFS 2018:1), as
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Spain. OELs. INSST, Límites (VLAs) Components Triethylolamine (CAS 102-71-6) Sweden. OELs (Annex 1). Wo amended Components 3,6-diazaoctanethylenedia min; triethylenetetramine (CAS 112-24-3) Triethylolamine (CAS 102-71-6) Switzerland. SUVA Grenzwer Components Triethylolamine (CAS	de Exposición Profesional Para Ag Type TWA rk Environment Authority (AV), Oc Type STEL TWA STEL TWA ste am Arbeitsplatz: Aktuelle MAK-M Type	10 mg/m3 1,7 ppm gentes Químicos, Table 1-Va Value 5 mg/m3 ccupational Exposure Limit V Value 12 mg/m3 2 ppm 6 mg/m3 1 ppm 10 mg/m3 1,6 ppm 5 mg/m3 0,8 ppm Value	/alues (AFS 2018:1), as

Derived no effect levels (DNELs)	Not available.	
Predicted no effect concentrations (PNECs)	Not available.	
Exposure guidelines		
Czech Republic PELs: Ski	n designation	
Triethylolamine (CAS 1 Sweden Threshold Limit V		Can be absorbed through the skin.
Triethylolamine (CAS 1	02-71-6)	Can be absorbed through the skin.
8.2. Exposure controls		
Appropriate engineering controls	applicable, use process enclo maintain airborne levels belov	Id be used. Ventilation rates should be matched to conditions. If sures, local exhaust ventilation, or other engineering controls to v recommended exposure limits. If exposure limits have not been e levels to an acceptable level. Eye wash facilities and emergency on handling this product.
Individual protection measures	s, such as personal protective e	equipment
General information		ment as required. Personal protection equipment should be chosen ds and in discussion with the supplier of the personal protective
Eye/face protection	Wear safety glasses with side recommended.	shields (or goggles) and a face shield. Face shield is
Skin protection		
- Hand protection	Wear appropriate chemical re	sistant gloves.
- Other	Wear appropriate chemical re	sistant clothing. Use of an impervious apron is recommended.
Respiratory protection	In case of insufficient ventilation	on, wear suitable respiratory equipment.
Thermal hazards	Wear appropriate thermal pro	tective 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	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	Colorless to light yellow.	
Odor	Ammoniacal.	
Melting point/freezing point	Not available.	
Boiling point or initial boiling point and boiling range	212 °F (100 °C) estimated	
Flammability	Not applicable.	
Upper/lower flammability or exp	losive limits	
Explosive limit - lower (%)	1 % estimated	
Explosive limit - upper (%)	9,5 % estimated	
Flash point	249,8 °F (121,0 °C) estimated	
Auto-ignition temperature	561,2 °F (294 °C) estimated	
Decomposition temperature	Not available.	
рН	Not available.	
Kinematic viscosity	Not available.	
Solubility		
Solubility (water)	Not available.	
Partition coefficient (n-octanol/water) (log value)	Not available.	
Vapor pressure	0,01 hPa estimated	

Density and/or relative density		
Density	0,99 g/cm3 estimated	
Vapor density	0,95 g/cm3 Not available.	
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 characteristic	CS	
Specific gravity	0,99 estimated 0,95	
SECTION 10: Stability and	d reactivity	
10.1. Reactivity	The product is stable and non-reactive under norma	l conditions of use, storage and transport.
10.2. Chemical stability	Material is stable under normal conditions.	
10.3. Possibility of hazardous reactions	No dangerous reaction known under conditions of n	ormal use.
10.4. Conditions to avoid	Contact with incompatible materials.	
10.5. Incompatible materials	Peroxides. Phenols.	
10.6. Hazardous decomposition products	No hazardous decomposition products are known.	
SECTION 11: Toxicologic	al information	
General information	Occupational exposure to the substance or mixture	may cause adverse effects.
Information on likely routes of e	exposure	
Inhalation	May cause irritation to the respiratory system. Prolo	nged inhalation may be harmful.
Skin contact	Causes severe skin burns. Harmful in contact with s	kin. 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. Ca include stinging, tearing, redness, swelling, and blur blindness could result.	
11.1. Information on hazard clas	sses as defined in Regulation (EC) No 1272/2008	
Acute toxicity	Harmful in contact with skin. Harmful if swallowed.	
Components	Species	Test Results
2,4,6-tris(dimethylaminomethyl)ph	enol (CAS 90-72-2)	
<u>Acute</u> Dermal		
LD50	Rat	1280 mg/kg
3,6-diazaoctanethylenediamin; trie		
<u>Acute</u> Dermal		
<i>Liquid</i> LD50	Rat	1465 mg/kg
Oral		
Liquid		
LD50	Rat	1716 mg/kg
Triethylolamine (CAS 102-71-6)		
Acute		
Dermal LD50	Rabbit	> 20000 mg/kg
	Nabbit	
Oral LD50	Rat	8 g/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.	
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.	
	Evaluation of Carcinogenicity	
Triethylolamine (CAS 102	,	
Reproductive toxicity	Due to partial or complete lack of data the classification is not possible.	
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 hazar	ds	
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 in	nformation	
12.1. Toxicity	Based on available data, the classification criteria are not met for hazardous to the aquatic environment, long term. 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) Triethylolamine	-1	
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 co	nsiderations	
13.1. Waste treatment methods		
Residual waste	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).	
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.	
EU waste code	The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.	
Disposal methods/information	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.	
Special precautions	Dispose in accordance with all applicable regulations.	

SECTION 14: Transport information

ADR

```
14.1. UN numberUN176014.2. UN proper shipping<br/>nameCORROSIVE LIQUID, N.O.S. (3,6-diazaoctanethylenediamin; triethylenetetramine)
```

	14.3. Transport hazard class(es)
	Class	8
	Subsidiary risk	-
	Label(s)	8
	Hazard No. (ADR)	80
		E
	14.4. Packing group	
	14.5. Environmental hazards	
		Read safety instructions, SDS and emergency procedures before handling.
	14.6. Special precautions for user	Tread salety instructions, 505 and emergency procedures before nariding.
RID		
		1014700
	14.1. UN number	
	14.2. UN proper shipping	CORROSIVE LIQUID, N.O.S. (3,6-diazaoctanethylenediamin; triethylenetetramine)
	name	
	14.3. Transport hazard class(-
	Class	8
	Subsidiary risk	
	Label(s)	8
	14.4. Packing group	
	14.5. Environmental hazards	
	14.6. Special precautions	Read safety instructions, SDS and emergency procedures before handling.
	for user	
AD	Ν	
	14.1. UN number	UN1760
	14.2. UN proper shipping	CORROSIVE LIQUID, N.O.S. (3,6-diazaoctanethylenediamin; triethylenetetramine)
	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	
ΙΑΤ	Ά	
	14.1. UN number	UN1760
	14.2. UN proper shipping	Corrosive liquid, n.o.s. (3,6-diazaoctanethylenediamin; triethylenetetramine)
	name	
	14.3. Transport hazard class(es)
	Class	8
	Subsidiary risk	
	14.4. Packing group	-
	14.5. Environmental hazards	
	ERG Code	8L
	14.6. Special precautions	Read safety instructions, SDS and emergency procedures before handling.
	for user	Tread salety instructions, 505 and emergency procedures before nariding.
	Other information	
		Allowed with restrictions
	Passenger and cargo aircraft	Allowed with restrictions.
		Allowed with restrictions.
1845	Cargo aircraft only	Allowed with restrictions.
IME	-	
	14.1. UN number	
	14.2. UN proper shipping	CORROSIVE LIQUID, N.O.S. (3,6-diazaoctanethylenediamin; triethylenetetramine)
	name	
	name 14.3. Transport hazard class(-
	name 14.3. Transport hazard class(Class	es) 8
	name 14.3. Transport hazard class(Class Subsidiary risk	8
	name 14.3. Transport hazard class(Class Subsidiary risk 14.4. Packing group	-
	name 14.3. Transport hazard class(Class Subsidiary risk	8
	name 14.3. Transport hazard class(Class Subsidiary risk 14.4. Packing group	8
	name 14.3. Transport hazard class Class Subsidiary risk 14.4. Packing group 14.5. Environmental hazards	8 - III No. F-A, S-B
	name 14.3. Transport hazard class(Class Subsidiary risk 14.4. Packing group 14.5. Environmental hazards Marine pollutant	8 - III No.
	name 14.3. Transport hazard class(Class Subsidiary risk 14.4. Packing group 14.5. Environmental hazards Marine pollutant EmS	8 - III No. F-A, S-B

14.7. Maritime transport in bulk Not established. according to IMO instruments

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 Not listed.

UFI:

Austria: HKE0-T0V7-X00X-AQ5V Belgium: HKE0-T0V7-X00X-AQ5V Bulgaria: HKE0-T0V7-X00X-AQ5V Croatia: HKE0-T0V7-X00X-AQ5V Cyprus: HKE0-T0V7-X00X-AQ5V Czech Republic: HKE0-T0V7-X00X-AQ5V Denmark: HKE0-T0V7-X00X-AQ5V Estonia: HKE0-T0V7-X00X-AQ5V EU: HKE0-T0V7-X00X-AQ5V Finland: HKE0-T0V7-X00X-AQ5V France: HKE0-T0V7-X00X-AQ5V Germany: HKE0-T0V7-X00X-AQ5V Greece: HKE0-T0V7-X00X-AQ5V Hungary: HKE0-T0V7-X00X-AQ5V Iceland: HKE0-T0V7-X00X-AQ5V Ireland: HKE0-T0V7-X00X-AQ5V Italy: HKE0-T0V7-X00X-AQ5V Latvia: HKE0-T0V7-X00X-AQ5V Lithuania: HKE0-T0V7-X00X-AQ5V Luxembourg: HKE0-T0V7-X00X-AQ5V Malta: HKE0-T0V7-X00X-AQ5V Netherlands: HKE0-T0V7-X00X-AQ5V Norway: HKE0-T0V7-X00X-AQ5V Poland: HKE0-T0V7-X00X-AQ5V Portugal: HKE0-T0V7-X00X-AQ5V Romania: HKE0-T0V7-X00X-AQ5V Slovakia: HKE0-T0V7-X00X-AQ5V Slovenia: HKE0-T0V7-X00X-AQ5V Spain: HKE0-T0V7-X00X-AQ5V Sweden: HKE0-T0V7-X00X-AQ5V

Authorizations

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

Not listed.

Restrictions on use	
• • • •	7/2006, REACH Annex XVII Substances subject to restriction on marketing and use, as amended on given for the associated entry number should be considered
2,4,6-tris(dimethylam	inomethyl)phenol (CAS 90-72-2) 75
Directive 2004/37/EC: or work, as amended	n the protection of workers from the risks related to exposure to carcinogens and mutagens at
Not listed.	
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 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: HKE0-T0V7-X00X-AQ5V
Belgium	UFI: HKE0-T0V7-X00X-AQ5V
Czech Republic	UFI: HKE0-T0V7-X00X-AQ5V
Denmark	UFI: HKE0-T0V7-X00X-AQ5V
European Union	UFI: HKE0-T0V7-X00X-AQ5V
Finland	UFI: HKE0-T0V7-X00X-AQ5V
France	UFI: HKE0-T0V7-X00X-AQ5V
Germany	UFI: HKE0-T0V7-X00X-AQ5V
Greece	UFI: HKE0-T0V7-X00X-AQ5V
Hungary	UFI: HKE0-T0V7-X00X-AQ5V
Italy	UFI: HKE0-T0V7-X00X-AQ5V
Netherlands	UFI: HKE0-T0V7-X00X-AQ5V
Norway	UFI: HKE0-T0V7-X00X-AQ5V
Poland	UFI: HKE0-T0V7-X00X-AQ5V
Portugal	UFI: HKE0-T0V7-X00X-AQ5V
Slovakia	UFI: HKE0-T0V7-X00X-AQ5V
Slovenia	UFI: HKE0-T0V7-X00X-AQ5V
Spain	UFI: HKE0-T0V7-X00X-AQ5V
Sweden	UFI: HKE0-T0V7-X00X-AQ5V
Switzerland	UFI: HKE0-T0V7-X00X-AQ5V
15.2. Chemical safety	No Chemical Safety Assessment has been carried out.
assassmant	•

assessment

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. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H412 Harmful to aquatic life with long lasting effects.
Revision information	Physical & Chemical Properties: Multiple Properties
Training information	Follow training instructions when handling this material.
Disclaimer	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 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.