

Printing date 04.04.2024

Version: 8 (replaces version 7)

Revision: 20.12.2022

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

· 1.1 Product identifier

PERGAQUICK A2 X

· Trade name:	PERGAQUICK A2 X
· 1.2 Relevant identified uses of t	he substance or mixture and uses advised against
	No further relevant information available.
 Application of the substance / 	
the mixture	Accelerator for polymerisation / crosslinking For industrial use
· 1.3 Details of the supplier of the	safety data sheet
Manufacturer/Supplier:	PERGAN GmbH
	Hilfsstoffe für industrielle Prozesse
	Schlavenhorst 71
	D-46395 Bocholt
	Tel: +49 2871 9902-0
	Fax: +49 2871 9902-50
· Further information obtainable	
from:	Environment protection / Security of labour
	Qualified person: E-mail: msds@pergan.com
 1.4 Emergency telephone 	
number:	- Tel: +49 2871 9902-0

SECTION 2: Hazards identifi	cation
Repr. 2 H361d Suspe	
 2.2 Label elements Labelling according to Regulation (EC) No 1272/2008 Hazard pictograms 	The product is classified and labelled according to the CLP regulation.
· Signal word	Warning
· Hazard-determining components of labelling:	1-isopropyl-2,2-dimethyltrimethylene diisobutyrate N.N-dimethylaniline
· Hazard statements	H351 Suspected of causing cancer. H361d Suspected of damaging the unborn child. H412 Harmful to aquatic life with long lasting effects.
· Precautionary statements	 P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. P308+P313 IF exposed or concerned: Get medical advice/attention. P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
 2.3 Other hazards Results of PBT and vPvB asses 	
· PBT: · vPvB:	The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII. The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.
 Determination of endocrine- disrupting properties 	The product does not contain substances with endocrine disrupting properties.

SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

Dangerous components:		
CAS: 6846-50-0 EINECS: 229-934-9 Reg-No.: 01-2119451093-47	1-isopropyl-2,2-dimethyltrimethylene diisobutyrate Repr. 2, H361d; Aquatic Chronic 3, H412	80-90%
CAS: 121-69-7 EINECS: 204-493-5 Index number: 612-016-00-0 Reg-No.: 01-2119950342-44		5-10%

Printing date 04.04.2024

Version: 8 (replaces version 7)



Revision: 20.12.2022

Trade name: PERGAQUICK A2 X

Additional information:	For the wording of the listed hazard phrases refer to section 16. (Contd. of page
SECTION 4: First aid measure	es
4.1 Description of first aid measu	Ires
	Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
	Take care of personal protection for the first aider.
	Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of unconsciousness place patient stably in side position for transportation. Take affected persons into fresh air and keep quiet.
After skin contact:	Immediately remove contaminated clothing.
After eye contact:	Rinse opened eye for several minutes under running water.
After swallowing: 4.2 Most important symptoms	Call for a doctor immediately.
and effects, both acute and delayed 4.3 Indication of any immediate	No further relevant information available.
medical attention and special treatment needed	No further relevant information available.

· 5.1 Extinguishing media

• Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions. 5.2 Special hazards arising from the substance or mixture Under certain fire conditions, traces of other toxic gases cannot be excluded. 5.3 Advice for firefighters · Protective equipment: Mouth respiratory protective device. Do not inhale explosion gases or combustion gases. · Additional information Self-protection first!

SECTION 6: Accidental release measures

 6.1 Personal precautions, protective equipment and emergency procedures 	Wear protective equipment. Keep unprotected persons away.
0 , ,	
 6.2 Environmental precautions: 	Inform respective authorities in case of seepage into water course or sewage system.
	Do not allow to enter sewers/ surface or ground water.
• 6.3 Methods and material for	
containment and cleaning up:	Dispose contaminated material as waste according to section 13.
containing apr	Ensure adequate ventilation.
	Soak up with absorbant material (e. g. Vermiculit) and dispose of in accordance with government regulations.
• 6.4 Reference to other sections	See Section 7 for information on safe handling.
	See Section 8 for information on personal protection equipment.
	See Section 13 for disposal information.
	I contraction of the second
	In case of large spillage the environmental authority should be informed.

SECTION 7: Handling and storage · 7.1 Precautions for safe handling Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols. Wear suitable respiratory protective device when decanting larger quantities without extractor facilities. Use only in well ventilated areas. Before break and at the end of work hands should be thoroughly washed. While using do not eat, drink or smoke. · Information about fire - and explosion protection: No special measures required. (Contd. on page 3)

Printing date 04.04.2024

Version: 8 (replaces version 7)



Revision: 20.12.2022

Trade name: PERGAQUICK A2 X

	(Contd. of page 2)
· 7.2 Conditions for safe storage,	including any incompatibilities
• Storage: • Requirements to be met by	Pay attention to the special requirements of your local autorithies for storing dangerous goods.
storerooms and receptacles:	Prevent any seepage into the ground. Use only receptacles specifically permitted for this substance/product.
Information about storage in	
one common storage facility:	Store away from peroxide.
· Further information about	Store away from foodstuffs, drinks and feeding stuffs.
storage conditions:	Keep container tightly sealed. Storage in a collecting room is required.
· Recommended storage temperature (To maintain	Storage in a conecting room is required.
quality):	0 +30 °C
· Storage class:	10
· 7.3 Specific end use(s)	No further relevant information available.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

Ingredients with lin	it values that require monitoring at the workplace:
121-69-7 N,N-dimeth	ylaniline
OEL (Ireland)	Short-term value: 50 mg/m³, 10 ppm _ong-term value: 25 mg/m³, 5 ppm Sk
	Short-term value: 50 mg/m³, 10 ppm _ong-term value: 25 mg/m³, 5 ppm Sk
DNELs	
6846-50-0 1-isoprop	/I-2,2-dimethyltrimethylene diisobutyrate
Dermal DNEL Lon	gterm System 5 mg/kg bw/day (Worker)
Inhalative DNEL Lon	gterm System 17,62 mg/m3 (Worker)
121-69-7 N,N-dimeth	ylaniline
Dermal DNEL Lon	gterm System 2,988 mg/kg bw/day (Worker)
Inhalative DNEL Lon	gterm System 3,406 mg/m3 (Worker)
PNECs	
6846-50-0 1-isoprop	/I-2,2-dimethyltrimethylene diisobutyrate
PNEC Marinewater se	ed 0,529 mg/kg sed dw (-)
PNEC Freshwater	0,014 mg/l (AF 50)
PNEC Freshwater se	
PNEC Soil	1,05 mg/kg soil dw
PNEC STP	3 mg/l (AF 10)
PNEC Marinewater	0,001 mg/l (AF 500)
121-69-7 N,N-dimeth	
	ed 4,942 mg/kg sed dw (-)
PNEC Freshwater	0,023 mg/l (AF 100)
PNEC Freshwater se	
PNEC Soil	1,906 mg/kg soil dw (-)
PNEC STP	5,948 mg/l (AF 10)
PNEC Marinewater	0,002 mg/l (AF 1.000)
 Additional information 	······································
8.2 Exposure contro	
 Appropriate engine controls 	No further data; see section 7.
	n measures, such as personal protective equipment
General protective	and
hygienic measures	
	Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing
	Wash hands before breaks and at the end of work.
	Avoid contact with the eyes and skin.
	Do not eat, drink, smoke or sniff while working.

Printing date 04.04.2024

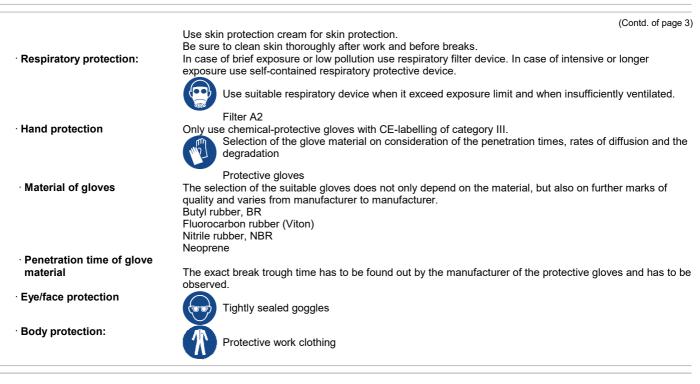
Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Version: 8 (replaces version 7)



Revision: 20.12.2022

Trade name: PERGAQUICK A2 X



SECTION 9: Physical and chemical properties

OEO HON S. I hysical and chemical properties	
• 9.1 Information on basic physical and chemical properties	
· General Information	
· Colour:	Yellowish
Odour:	Characteristic
Odour threshold:	Not determined.
Melting point/freezing point:	Undetermined.
Boiling point or initial boiling point and boiling range	Not applicable.
· Flammability	Not applicable.
Lower and upper explosion limit	
Lower:	Not determined.
· Upper:	Not determined.
Flash point:	103 °C
Decomposition temperature:	Not determined.
·pH	Not determined.
· Viscosity:	
· Kinematic viscosity	Not determined.
· Dynamic at 20 °C:	6 mPas
· Solubility	
water:	Undetermined.
 Partition coefficient n-octanol/water (log value) 	not determined
Vapour pressure:	Not determined.
Density and/or relative density	
Density at 20 °C:	0,943 g/cm ³
Relative density	Not determined.
Vapour density	Not determined.
· 9.2 Other information	No further relevant information available.
Appearance:	
· Form:	Fluid
· Important information on protection of health and environme	nt.
and on safety.	
· Ignition temperature:	Product is not selfigniting.
Explosive properties:	Product does not present an explosion hazard.
Change in condition	· ·
· Evaporation rate	Not determined.
· Information with regard to physical hazard classes	
· Explosives	Void
[•] Flammable gases	Void
	(Contd. on page 5)

Printing date 04.04.2024

Version: 8 (replaces version 7)

Revision: 20.12.2022

The Peroxide Company

Trade name: PERGAQUICK A2 X

		(Contd. of page
· Aerosols	Void	
· Oxidising gases	Void	
· Gases under pressure	Void	
Flammable liquids	Void	
Flammable solids	Void	
 Self-reactive substances and mixtures 	Void	
· Pyrophoric liquids	Void	
· Pyrophoric solids	Void	
· Self-heating substances and mixtures	Void	
· Substances and mixtures, which emit flammable g	ases in	
contact with water	Void	
· Oxidising liquids	Void	
• Oxidising solids	Void	
· Organic peroxides	Void	
Corrosive to metals	Void	
Desensitised explosives	Void	

SECTION 10: Stability and reactivity

 10.1 Reactivity
 No further relevant information available.

 10.3 Possibility of hazardous
 No dangerous reactions known.

 reactions
 No dangerous reactions known.

 10.4 Conditions to avoid
 No further relevant information available.

 10.5 Incompatible materials:
 No further relevant information available.

 10.6 Hazardous decomposition products:
 No hazardous decomposition products if used and stored according to specifications.

 • Additional information:
 Emergency procedures will vary depending on conditions. The customer should have an emergency response plane in place.

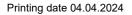
SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008 Acute toxicity Based on available data, the classification criteria are not met. · LD/LC50 values relevant for classification: 6846-50-0 1-isopropyl-2,2-dimethyltrimethylene diisobutyrate LD50 3.200 mg/kg (rattus) Oral Dermal LD50 18.900 mg/kg (caviinae) 121-69-7 N,N-dimethylaniline Oral LD50 951 mg/kg (rattus) Dermal LD50 1.690 mg/kg (rabbit) Skin corrosion/irritation Based on available data, the classification criteria are not met. · Serious eye damage/irritation Based on available data, the classification criteria are not met. Respiratory or skin sensitisation Based on available data, the classification criteria are not met. · Germ cell mutagenicity Based on available data, the classification criteria are not met. Suspected of causing cancer. Carcinogenicity · Reproductive toxicity Suspected of damaging the unborn child. STOT-single exposure Based on available data, the classification criteria are not met. STOT-repeated exposure Based on available data, the classification criteria are not met. Aspiration hazard Based on available data, the classification criteria are not met. 11.2 Information on other hazards · Endocrine disrupting properties None of the ingredients is listed.

SECTION 12: Ecological information

· 12.1 Toxicity	
· Aquatic toxicity:	
121-69-7 N,N-dimethylaniline	
EC50 / 72h 22 mg/l (algae)	
LC50 / 96h 53,7 mg/l (fish)	
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- IE -



Version: 8 (replaces version 7)

The Peroxide Company

Revision: 20.12.2022

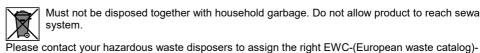
Trade name: PERGAQUICK A2 X

	(Contd. of page 5
 12.2 Persistence and degrada Degree of elimination: 	ıbility
· Classification:	
	ethyltrimethylene diisobutyrate
	adable, failing 10-d wind) (OECD 301 B)
0 () 0	
121-69-7 N,N-dimethylaniline	
Degradation (Readily biodegra	idable)
 12.3 Bioaccumulative potenti 	al
· Partition coefficient: nOctar	iol/water: [Log Kow]
121-69-7 N,N-dimethylaniline	1,17 (38°C)
· Bioconcentration factor (BC	F)
6846-50-0 1-isopropyl-2,2-dim	ethyltrimethylene diisobutyrate
BCF 183-194 (fish)	
12.4 Mobility in soil	No further relevant information available.
12.5 Results of PBT and vPvE	3 assessment
· PBT:	The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.
· vPvB:	The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.
 12.6 Endocrine disrupting 	
properties	The product does not contain substances with endocrine disrupting properties.
12.7 Other adverse effects	No further relevant information available.
Remark:	Harmful to fish
Additional ecological inform	
· General notes:	Harmful to aquatic organisms
	Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
	Do not allow product to reach ground water, water course or sewage system.
	Danger to drinking water if even small quantities leak into the ground.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation



number.

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· Waste disposal key:

· Uncleaned packaging: · Recommendation:

This material and its container must be disposed of as hazardous waste.

SECTION 14: Transport information		
· 14.1 UN number or ID number · ADR, IMDG, IATA	Void	
· 14.2 UN proper shipping name · ADR, IMDG, IATA	Void	
· 14.3 Transport hazard class(es)		
· ADR, IMDG, IATA · Class	Void	
· 14.4 Packing group · ADR, IMDG, IATA	Void	
· 14.5 Environmental hazards:	Not applicable.	
[·] 14.6 Special precautions for user	Not applicable.	
· 14.7 Maritime transport in bulk according to IM	O instruments Not applicable.	

SECTION 15: Regulatory information

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

· Directive 2012/18/EU

· Named dangerous substances

- ANNEX I None of the ingredients is listed.

Printing date 04.04.2024

Version: 8 (replaces version 7)

Revision: 20.12.2022

(Contd. of page 6)

IE -

Trade name: PERGAQUICK A2 X

· REGULATION (EC) No

1907/2006 ANNEX XVII Conditions of restriction: 3

• DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

· REGULATION (EU) 2019/1148

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

• Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant phrases	 H301 Toxic if swallowed. H311 Toxic in contact with skin. H331 Toxic if inhaled. H351 Suspected of causing cancer. H361d Suspected of damaging the unborn child. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.
 Department issuing SDS: Contact: 	Environment protection / Security of labour Tel: +49 2871 9902-0 E-mail: mail@pergan.com
· Version number of previous	
version:	7
• Abbreviations and acronyms:	RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) DNEL: Derived No-Effect Level (REACH) PNEC: Predicted No-Effect Level (REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative Acute Tox, 3: Acute toxicity – Category 3 Carc. 2: Carcinogenicity – Category 2 Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3
* * Data compared to the previous version altered.	

