

According to directive 1907/2006/EC, 2020/878

Page: Page 1 from 11

Version 5.0

Revision date: 01-08-2022

Print date: 16-9-2022

Trade name: W 12 Blue

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

1.1 Product identification:

Product name: W 12 Blue
UFI code: 2202-80QH-900M-ASER

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

Type of application (Use): Electrical Insulation.
Recommended restrictions on use: For commercial use only.

1.3 Details of the supplier of the safety data sheet

Responsible distributor: ASSYST bvba / A.S.O.W. bvba
Hellegatstraat 13a
2590 Berlaar
Belgium
Tel: +32 495 50 61 14 / +32 496 83 70 27
Website: www.assyst.org / www.artsuppliesonweb.com
Email: ao@assyst.org / vera.opsommer@assyst.org

1.4 Emergency telephone number:

For Belgium:

Call the **Poison Control Center (070 245 245 - free)**, if not available: **02 264 96 30** (normal rate) or your doctor. In life-threatening situations, always call the European emergency number **112**.

NHS 24 Direct

For help from a GP, visit your GP surgery's website, use an online service to contact your GP, or call the surgery. **For urgent medical help**, use the NHS 111 online service, or **call 111** if you are unable to get help online. **For life-threatening emergencies, call 999** for an ambulance. There is more information about getting medical help on the NHS website.

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture:

Classification according to Directive (EC) No 1272/2008 and its amendments.

The product is classified according to the applicable legislation.

Classification in accordance with Regulation (EC) No 1272/2008 as amended.

Health hazards

Skin corrosion/irritation, Category 2 - H315: Causes skin irritation.

Eye irritation, Category 2 - H319: Causes serious eye irritation.

Skin sensitisation, Subcategory 1B - H317: May cause an allergic skin reaction.

(Chronic) Aquatic long-term hazard, Category 2 - H411: Toxic to aquatic life with long lasting effects.

For the full text of H phrases mentioned in this section, see section 16.

2.2 Label elements:

Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]:



Hazard pictograms:

Signal word

Warning.

Hazardous ingredients which must be stated on the label

- ✓ Reaction mass of trientine, mono- and di-propoxylated

Indications of danger:

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.

SAFETY DATA SHEET

According to directive 1907/2006/EC, 2020/878

Version 5.0

Revision date: 01-08-2022

Page: Page 2 from 11

Print date: 16-9-2022

Trade name: W 12 Blue

Precautions

Prevention:

P261 Avoid breathing dust/smoke/gas/vapour/spray.

P264 Wash skin thoroughly after handling.

P273 Avoid release to the environment.

P280 Wear protective gloves/eye protection/face protection.

Action:

P333 + P313 In case of skin irritation or rash: consult a doctor.

P391 Clean up spill/leak.

2.3 Other hazards:

This substance/mixture does not contain any components that can be considered persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information:

The substance/mixture does not contain any components suspected of having endocrine disrupting properties according to REACH Article 57(f) or the Delegated Commission Regulation (EU) 2017/2100 or the Commission Regulation (EU) 2018/605 at level 0.1% or higher.

Toxicological information:

The substance/mixture does not contain any components suspected of having endocrine disrupting properties according to REACH Article 57(f) or the Delegated Commission Regulation (EU) 2017/2100 or the Commission Regulation (EU) 2018/605 at level 0.1% or higher.

SECTION 3: Composition and information on ingredients

3.2 Mixtures:

Description:

Chemical description : Aliphatic Amine

Chemical Name	Cas No. EC-No. Index no. Registration number	Layout (Regulation (EC) No 1272/008)	Concentration (%)
Reaction mass of trientine, mono- and di-propoxylated	Not allocated - - 01-2120098765-38	Skin Irrit.2; H315 Eye Irrit.2; H319 Skin Sens.1B; H317 Aquatic Chronic2; H411	>= 50 - <= 100

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures:

General advice:

Keep warm and in a quiet environment.

Show this safety data sheet to the physician in charge.

Remove contaminated clothing immediately.

By inhalation:

Bringing them out into the fresh air.

Keep the victim warm and calm.

If unconscious, apply stable side position and call for medical assistance.

If symptoms persist, consult a doctor.

Use artificial respiration if breathing is irregular or stopped.

In contact with skin:

Wash up immediately with soap and plenty of water.

DO NOT use solvents or paint thinner.

In the event of spillage on clothing, remove clothing.

According to directive 1907/2006/EC, 2020/878

Page: Page 3 from 11

Version 5.0

Revision date: 01-08-2022

Print date: 16-9-2022

Trade name: W 12 Blue

Burns should be treated by a doctor.

In case of contact with eyes:

Rinse immediately with plenty of water, including under the eyelids, for at least 15 minutes.

If eye irritation persists, consult a specialist.

As far as easy to do, remove any contact lenses.

If swallowed:

DO NOT induce vomiting.

Place someone who is lying on their back and vomiting in the stable side position.

Call a doctor immediately.

Give small amounts of water.

4.2 Most important symptoms and effects, both acute and delayed:

Appearances:

Burn

Superficial burning sensation

Redness

Strong irritation

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

Treatment:

The procedure for first aid must be drawn up together with the company doctor.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media:

Suitable extinguishing media:

Carbon dioxide (CO₂)

Foam

Dry powder

Water spray

Unsuitable extinguishing media:

Nothing known.

5.2 Special hazards arising from the substance or mixture

Specific firefighting hazards:

Heat can increase the pressure in sealed containers.

Cool closed containers in the vicinity of the fire with water spray.

In case of fire, dangerous decomposition products are formed.

5.3 Advice for firefighters:

Special protective equipment for firefighters:

In case of fire, wear a compressed air mask.

Use personal protective equipment.

Further information:

In case of fire and/or explosion do not breathe fumes.

Use extinguishing agents that are suitable for the local conditions and environment.

Immediately evacuate personnel to a safe area.

Prevent fire extinguishing water from contaminating surface water or groundwater systems.

SECTION 6: Accidental release measures for the substance or mixture

6.1 Personal precautions, protective equipment and emergency procedures:

Personal precautions:

See protective measures in sections 7 and 8.

Evacuate personnel to a safe area.

Use personal protective equipment.

Ensure adequate ventilation.

Inform the competent authority in case of gas leaks, or in case of run-off into waterways, soil or sewers.

According to directive 1907/2006/EC, 2020/878

Version 5.0

Revision date: 01-08-2022

Page: Page 4 from 11

Print date: 16-9-2022

Trade name: W 12 Blue

6.2 Environmental precautions:

Environmental precautions:

Avoid uncontrolled release of product into the environment.

Try to prevent the material from draining into sewers or watercourses.

In case of significant leaks that cannot be contained, the local authority must be informed.

6.3 Methods and material for containment and cleaning up

Cleaning methods:

Absorb in inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Contain and collect spillages with non-combustible absorbent materials, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local/national regulations (see section 13).

Pick up and transfer to properly labelled containers.

6.4 Reference to other sections:

For personal protection, see section 8.

SECTION 7: Handling and storage:

7.1 Precautions for safe handling

Advice on safe handling:

Ensure sufficient ventilation and/or suction at the workplace.

Do not inhale vapours or spray mist.

Avoid inhalation, ingestion and contact with skin and eyes.

Wear personal protective clothing.

Persons suffering from skin sensitisation problems, asthma, allergies, chronic or recurrent respiratory diseases should not perform work involving this mixture.

Advice on protection against fire and explosion:

Keep away from naked flames, hot surfaces and sources of ignition.

Hygiene measures:

Ensure adequate ventilation.

Wash hands and face before work and immediately after using the product.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and containers:

Keep containers tightly closed in a dry, cool and well-ventilated place. Store in properly labelled containers. To maintain product quality, do not expose to heat or direct sunlight.

Details of storage conditions:

Protect against moisture.

Advice for mixed storage:

Keep away from isocyanates

Do not store near acids.

Keep away from oxidising agents.

Other data:

Stable at normal room temperature and pressure.

7.3 Specific end use:

Specific use:

Before using this substance/mixture, refer to the Technical Guidelines.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters:

The product does not contain any components for which exposure values have been established.

8.2 Exposure controls:

Technical means of control:

Effective exhaust ventilation system.

Effective ventilation at all workplaces.

Personal protective equipment:

According to directive 1907/2006/EC, 2020/878

Version 5.0

Revision date: 01-08-2022

Page: Page 5 from 11

Print date: 16-9-2022

Trade name: W 12 Blue

Eye protection:

Do not wear contact lenses.

Safety glasses with side-shields according to EN 166

Provide eye-rinsing facilities and safety showers close to the workplace.

Hand protection

Material:

Protective gloves according to EN 374.

Notes:

Nitrile rubber

Skin and body protection:

Protective clothing.

Recommended preventive skin protection.

Respiratory protection:

Respiratory protection shall be worn when handling the substance if there is a risk of exposure to the vapour of the substance.

The filter class of respiratory protection must be suitable for the maximum contamination concentration (gas/vapour/aerosol/particles) that can arise when handling the product. If this concentration is exceeded, compressed air masks must be used.

Recommended filter type:

ABEK filter.

The equipment must comply with EN 14387.

Protective measures:

Avoid contact with the skin.

Wear appropriate personal protective equipment.

Controlling environmental exposure

General advice:

Avoid uncontrolled release of product into the environment. Try to prevent the material from running off into sewers or watercourses. In case of significant leaks which cannot be contained, the local authority must be informed.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Appearance:	liquid
Colour:	blue
Odour:	ammoniacal
Odour threshold:	Not implemented
Melting/freezing point	Not applicable
Boiling point/boiling range:	> 130 °C
Upper explosion limit:	Not applicable
Lower explosion limit:	Not applicable
Flash Point:	> 155 °C
Ignition temperature:	Not applicable
Auto-ignition temperature:	Not applicable
Decomposition temperature:	Method: No data available
pH:	11
	Concentration: 1%.
Viscosity	
Viscosity, dynamic:	150-250 mPa.s (25 °C)
Viscosity, kinematic:	Not carried out
Solubility:	
Solubility in water:	Not performed
Solubility in other solvents:	Not carried out

According to directive 1907/2006/EC, 2020/878

Version 5.0

Revision date: 01-08-2022

Page: Page 6 from 11

Print date: 16-9-2022

Trade name: W 12 Blue

Partition coefficient n-octanol/water	No data available
Vapour pressure:	Not applicable
Density:	1 g/cm ³ (25 °C)
Bulk density:	Not carried out
Relative vapour density:	Not performed
Particle characteristics	
Particle size:	Not applicable
9.2 Other information	
Explosive substances:	Not applicable
Oxidising properties:	Not applicable
Self-ignition:	Not applicable
Evaporation rate:	Not carried out
Surface tension:	Not performed
Sublimation point:	Not applicable

SECTION 10: Stability and reactivity

10.1 Reactivity:

Stable under recommended storage conditions.

10.2 Chemical Stability:

No decomposition if stored and applied as directed.

10.3 Potentially hazardous reactions:

Hazardous reactions:

Reacts with the following substances:

Acids

Strong oxidising agents

10.4 Conditions to avoid

No decomposition if instructions are followed.

10.5 Chemically Interacting Materials:

Materials to avoid:

Strong acids

Strong oxidising agents

10.6 Hazardous decomposition products:

The following substances may be released from this product:

The following substances may be released from this product:

Nitrogen oxides (NO_x)

Carbon monoxide

Carbon dioxide (CO₂)

SECTION 11: Toxicological information

11.1 Information on toxicological effects:

Acute Toxicity

Product:

Acute oral toxicity:

Remarks: No data available

Acute toxicity by inhalation:

Remarks: No data available

Acute dermal toxicity:

Remarks: No data available

Acute toxicity (alternative route of administration):

Remarks: No data available

Skin corrosion/irritation

Product:

SAFETY DATA SHEET



According to directive 1907/2006/EC, 2020/878

Version 5.0

Revision date: 01-08-2022

Page: Page 7 from 11

Print date: 16-9-2022

Trade name: W 12 Blue

Remarks: No data available

Serious eye damage/eye irritation

Product:

Remarks: No data available

Respiratory tract/skin sensitisation

Product:

Remarks: No data available

Carcinogenicity

Product:

Remarks: No data available

Toxicity for reproduction

Product:

Effects on fertility:

Remarks: No data available

Effects on foetal development:

Remarks: No data available

STOT on single exposure

Product:

Remarks: No data available

STOT on repeated exposure

Product:

Remarks: No data available

Repeated dose toxicity

Product:

Remarks: No data available

11.2 Information on other hazards

Endocrine disrupting properties

Product:

Assessment:

The substance/mixture does not contain any components suspected of having endocrine disrupting properties according to REACH Article 57(f) or the Delegated Commission Regulation (EU) 2017/2100 or the Commission Regulation (EU) 2018/605 at level 0.1% or higher.

Further information

Product:

Notes:

No data available

SECTION 12: Ecological information

12.1 Toxicity:

Product:

Fish toxicity:

Remarks: No data available

Toxicity to daphnia and other aquatic invertebrates:

Remarks: No data available

12.2 Persistence and Degradability:

Product:

Biodegradability:

Remarks: No data available

Physico-chemical removability:

Remarks: No data available

12.3 Bioaccumulation:

Product:

SAFETY DATA SHEET



According to directive 1907/2006/EC, 2020/878

Page: Page 8 from 11

Version 5.0

Revision date: 01-08-2022

Print date: 16-9-2022

Trade name: W 12 Blue

Bioaccumulation:

Remarks: No data available

12.4 Mobility in Soil:

No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment:

This substance/mixture does not contain any components that can be considered persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Endocrine disrupting properties

Product:

Assessment:

The substance/mixture does not contain any components suspected of having endocrine disrupting properties according to REACH Article 57(f) or the Delegated Commission Regulation (EU) 2017/2100 or the Commission Regulation (EU) 2018/605 at level 0.1% or higher.

12.7 Other Harmful Effects:

Product:

Additional ecological information:

Remarks: There is a risk of damage to the environment if this substance is handled or disposed of incorrectly.

SECTION 13: Instructions for disposal

13.1 Waste treatment methods:

Product:

According to local and national regulations.

Container dangerous when empty.

Do not dispose of together with household waste.

Do not mix streams during waste collection.

Contaminated packaging:

Empty containers should be taken to an authorised waste disposal centre for reuse or disposal.

SECTION 14: Information relating to carriage

14.1 UN number

ADR/RID/ADN: UN 3082

IMDG: UN 3082

IATA: UN 3082

14.2 Proper load name according to UN Model Regulations

ADR/RID/ADN: LIQUID DANGEROUS FOR THE ENVIRONMENT, N.O.S.

()

IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

()

IATA: Environmentally hazardous substance, liquid, n.o.s.

()

14.3 Transport hazard class(es)

ADR/RID/ADN: 9

IMDG: 9

IATA: 9

14.4 Packing group

ADR/RID/ADN

Packing group: III

Classification code: M6

Hazard Identification No: 90

Labels: 9

SAFETY DATA SHEET



According to directive 1907/2006/EC, 2020/878

Page: Page 9 from 11

Version 5.0

Revision date: 01-08-2022

Print date: 16-9-2022

Trade name: W 12 Blue

Notes:

IMDG

Packing group: III
Labels: 9
EmS Code: F-A, S-F
Notes: IMDG Code segregation group 18 - Alkalis

IATA (Cargo Aircraft)

Packing instruction: 964
Packing group: III
Labels: Miscellaneous

IATA (Passenger - passenger aircraft)

Packing instruction: 964
Packing instruction (LQ): 964
Packing group: III
Labels: Miscellaneous

14.5 Environmental hazards

ADR/RID/ADN

Environmentally hazardous: yes

IMDG

Marine pollution: yes

IATA

Environmentally hazardous: yes

14.6 Special precautions for the user

Notes:

The transport of dangerous goods, including loading and unloading, must be carried out in accordance with regulations by personnel who have received the necessary training.

The transport classification(s) given herein are only for information and based on the properties of the unpackaged material as described in this safety data sheet. Transport classifications may vary with regard to mode of transport, size of packaging and variations in regional or national regulations.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as delivered.

SECTION 15: Legally required information

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII):

Restriction conditions for the following dates should be considered:

Number on the list: 3

REACH - Candidate list of substances of very high concern for authorisation (Article 59):

Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer:

Not applicable

Regulation (EE) 2019/1021 on persistent organic pollutants (recast):

Not applicable

Regulation (EC) No 649/2012 of the European Parliament and of the Council concerning the export and import of dangerous chemicals:

Not applicable

REACH - List of substances subject to authorisation (Annex XIV):

Not applicable

REGULATION (EU) 2019/1148 on the marketing and use of explosives precursors:

Not applicable

According to directive 1907/2006/EC, 2020/878

Page: Page 10 from 11

Version 5.0

Revision date: 01-08-2022

Print date: 16-9-2022

Trade name: W 12 Blue

Toxic chemical substances and precursor (intermediate) compounds of the International Chemical Weapons Convention (CWC):

Not applicable

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

Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances:

E2

ENVIRONMENTAL EFFECTS

Other regulations:

Regarding the composition of the product, we deliberately do not add any of the substances listed in European Directive 2011/65/EU (RoHS 2, RoHS 3 and China RoHS).

The product therefore complies with the aforementioned directives.

Also, no conflict minerals are intentionally added to the product.

15.2 Chemical safety assessment:

Not applicable.

SECTION 16: Other information

Items in which relevant changes have been made with respect to the previous version are marked in the main body of this document by a thick vertical line.

Full text of the H statements

- H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H411: Toxic to aquatic life with long lasting effects.

Full text of other abbreviations

- Aquatic Chronic: Chronic aquatic toxicity
Eye Irrit.: Eye Irritation
Skin Irrit.: Skin corrosion/irritation
Skin Sens. : Skin sensitisation

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR Agreement); AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body Weight; CLP - Classification, Labelling and Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogenic, mutagenic or toxic to reproduction; DIN - Standard of the German Institute for Standardisation; DSL - List of Indoor Substances (Canada); ECHA - European Chemicals Agency; EC-Number - EINECS number; ECx - Concentration associated with x% response; ELx - Charge capacity associated with x% response; EmS - Emergency schedule; ENCS - Existing and New Chemicals (Japan); ErCx - Concentration associated with x% growth response; GHS - Globally Harmonised System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - IMO International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk; IC50 - Half-Maximum Inhibitory Concentration; ICAO - International Civil Aviation Organisation; IECSC - Inventory List of Existing Chemicals in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organization for Standardization; KECI - Korean Inventory of Existing Chemicals; LC50 - Lethal concentration for 50% of a test population; LD50 - Lethal dose for 50% of a test population (lethal dose median); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not otherwise specified; NO(A)EC - No observable (negative) effect on concentration; NO(A)EL - No observable (negative) effect on Level; NOELR - No observable effect on cargo

According to directive 1907/2006/EC, 2020/878

Page: Page 11 from 11

Version 5.0

Revision date: 01-08-2022

Print date: 16-9-2022

Trade name: W 12 Blue

capacity; NZIoC - New Zealand Inventory of Chemicals; OECD - Organisation for Economic Co-operation and Development OECD; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Difficult to degrade, bioaccumulative and toxic substance; PICCS - Philippine Inventory of Chemicals and Chemicals; (Q)SAR - (Quantitative) Structure-Activity Relationships; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH); RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwanese Inventory of Chemical Substances; TECl - Inventory of Chemical Substances existing in Thailand; TRGS - Technical Regulation on Dangerous Substances; TSCA - Toxic Substances Control Act (US); UN - United Nations; vPvB - Very Hard to Degrade and Very Bioaccumulative

Further information

Training advice:

Provide good information, instruction and training for users.

The information in this safety data sheet is correct to the best of our knowledge at the date of issue indicated. This information is intended only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a guarantee or indication of quality.