

SAFETY DATA SHEET



PK 5 PURGE TRAP 1, Part Number 5190-1446

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

This product is considered an article. This Safety Data Sheet is written based on the encapsulated substance or mixture in this article.

1.1 Product identifier

Product name : PK 5 PURGE TRAP 1, Part Number 5190-1446
Part No. (Kit) : 5190-1446
Part No. : CT WOOL-METHANOL I203650
WASHED
TENAX TA 60/80 (HT) I112510

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

Identified uses

Analytical chemistry.
Purge trap
CT WOOL-METHANOL WASHED
TENAX TA 60/80 (HT)

1.3 Details of the supplier of the safety data sheet

Agilent Technologies Manufacturing GmbH & Co. KG
Hewlett-Packard-Str. 8
76337 Waldbronn
Germany
0800 603 1000

e-mail address of person responsible for this SDS : pdl-msds_author@agilent.com

1.4 Emergency telephone number

Emergency telephone number (with hours of operation) : CHEMTREC®: +(44)-870-8200418

SECTION 2: Hazards identification

This article, when used under reasonable conditions and in accordance with the directions for use, should not present a health hazard. The substance or mixture is encapsulated in the article. Only if released due to use or processing of the article in a manner not in accordance with the product's directions for use it may present potential health and safety hazards.

2.1 Classification of the substance or mixture

Product definition : CT WOOL-METHANOL Mono-constituent substance (encapsulated in article)
WASHED
TENAX TA 60/80 (HT) Mono-constituent substance (encapsulated in article)

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

**CT WOOL-METHANOL
WASHED**

H315 SKIN CORROSION/IRRITATION - Category 2
H319 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
H335 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Respiratory tract irritation) - Category 3

TENAX TA 60/80 (HT)

Date of issue/Date of revision : 20/07/2017

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SECTION 2: Hazards identification

H315	SKIN CORROSION/IRRITATION - Category 2
H319	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
H335	SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Respiratory tract irritation) - Category 3

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Hazard pictograms	: CT WOOL-METHANOL WASHED	
	TENAX TA 60/80 (HT)	
Signal word	: CT WOOL-METHANOL WASHED	Warning
	TENAX TA 60/80 (HT)	Warning
Hazard statements	: CT WOOL-METHANOL WASHED	H319 - Causes serious eye irritation. H315 - Causes skin irritation. H335 - May cause respiratory irritation.
	TENAX TA 60/80 (HT)	H319 - Causes serious eye irritation. H315 - Causes skin irritation. H335 - May cause respiratory irritation.
<u>Precautionary statements</u>		
Prevention	: CT WOOL-METHANOL WASHED	P280 - Wear protective gloves. Wear eye or face protection.
	TENAX TA 60/80 (HT)	P261 - Avoid breathing dust. P280 - Wear protective gloves. Wear eye or face protection. P261 - Avoid breathing dust.
Response	: CT WOOL-METHANOL WASHED	P304 + P340 + P312 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.
	TENAX TA 60/80 (HT)	P304 + P340 + P312 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.
Storage	: CT WOOL-METHANOL WASHED	P405 - Store locked up.
	TENAX TA 60/80 (HT)	P405 - Store locked up.
Disposal	: CT WOOL-METHANOL WASHED	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
	TENAX TA 60/80 (HT)	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
Supplemental label elements	: CT WOOL-METHANOL WASHED	Not applicable.
	TENAX TA 60/80 (HT)	Not applicable.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: CT WOOL-METHANOL WASHED	Not applicable.
	TENAX TA 60/80 (HT)	Not applicable.

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SECTION 2: Hazards identification

Special packaging requirements

Tactile warning of danger : CT WOOL-METHANOL WASHED Not applicable.
TENAX TA 60/80 (HT) Not applicable.

2.3 Other hazards

Other hazards which do not result in classification : CT WOOL-METHANOL WASHED None known.
TENAX TA 60/80 (HT) None known.

SECTION 3: Composition/information on ingredients

This article, when used under reasonable conditions and in accordance with the directions for use, should not present a health hazard. The substance or mixture is encapsulated in the article. Only if released due to use or processing of the article in a manner not in accordance with the product's directions for use it may present potential health and safety hazards.

3.1 Substances : CT WOOL-METHANOL WASHED Mono-constituent substance (encapsulated in article)
TENAX TA 60/80 (HT) Mono-constituent substance (encapsulated in article)

Product/ingredient name	Identifiers	%	Regulation (EC) No. 1272/2008 [CLP]	Type
CT WOOL-METHANOL WASHED Glass, oxide, chemicals	EC: 266-046-0 CAS: 65997-17-3	100	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[A]
TENAX TA 60/80 (HT) Poly(oxy[1,1':3',1"-terphenyl]-2',5'-diyl)-	CAS: 24938-68-9	100	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 See Section 16 for the full text of the H statements declared above.	[A]

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Type

- [1] Substance classified with a health or environmental hazard
- [2] Substance with a workplace exposure limit
- [3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
- [4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII
- [5] Substance of equivalent concern
- [6] Additional disclosure due to company policy
- [A] Constituent
- [B] Impurity
- [C] Stabilising additive

SECTION 4: First aid measures

4.1 Description of first aid measures

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SECTION 4: First aid measures

Eye contact	: CT WOOL-METHANOL WASHED	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
	TENAX TA 60/80 (HT)	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
Inhalation	: CT WOOL-METHANOL WASHED	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
	TENAX TA 60/80 (HT)	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Skin contact	: CT WOOL-METHANOL WASHED	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
	TENAX TA 60/80 (HT)	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	: CT WOOL-METHANOL WASHED	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
	TENAX TA 60/80 (HT)	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs,

SECTION 4: First aid measures

Protection of first-aiders	: CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)	the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
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4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

Eye contact	: CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)	Causes serious eye irritation. Causes serious eye irritation.
Inhalation	: CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)	May cause respiratory irritation. May cause respiratory irritation.
Skin contact	: CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)	Causes skin irritation. Causes skin irritation.
Ingestion	: CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)	No known significant effects or critical hazards. No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact	: CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)	Adverse symptoms may include the following: pain or irritation watering redness Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	: CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)	Adverse symptoms may include the following: respiratory tract irritation coughing Adverse symptoms may include the following: respiratory tract irritation coughing
Skin contact	: CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)	Adverse symptoms may include the following: irritation redness Adverse symptoms may include the following: irritation redness

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SECTION 4: First aid measures

Ingestion : CT WOOL-METHANOL No specific data.
WASHED
TENAX TA 60/80 (HT) No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician : CT WOOL-METHANOL Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
WASHED
TENAX TA 60/80 (HT) Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments : CT WOOL-METHANOL No specific treatment.
WASHED
TENAX TA 60/80 (HT) No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : CT WOOL-METHANOL Use an extinguishing agent suitable for the surrounding fire.
WASHED
TENAX TA 60/80 (HT) Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media : CT WOOL-METHANOL None known.
WASHED
TENAX TA 60/80 (HT) None known.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture : CT WOOL-METHANOL No specific fire or explosion hazard.
WASHED
TENAX TA 60/80 (HT) No specific fire or explosion hazard.

Hazardous combustion products : CT WOOL-METHANOL Decomposition products may include the following materials:
WASHED
TENAX TA 60/80 (HT) phosphorus oxides
metal oxide/oxides
Decomposition products may include the following materials:
carbon dioxide
carbon monoxide

5.3 Advice for firefighters

Special precautions for fire-fighters : CT WOOL-METHANOL Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
WASHED
TENAX TA 60/80 (HT) Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters : CT WOOL-METHANOL Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
WASHED
TENAX TA 60/80 (HT) Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	: CT WOOL-METHANOL WASHED	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
	TENAX TA 60/80 (HT)	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	: CT WOOL-METHANOL WASHED	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	TENAX TA 60/80 (HT)	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

6.2 Environmental precautions

: CT WOOL-METHANOL WASHED	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
TENAX TA 60/80 (HT)	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods and material for containment and cleaning up

Methods for cleaning up	: CT WOOL-METHANOL WASHED	Move containers from spill area. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.
	TENAX TA 60/80 (HT)	Move containers from spill area. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

6.4 Reference to other sections

: See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures	: CT WOOL-METHANOL WASHED	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be
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SECTION 7: Handling and storage

	TENAX TA 60/80 (HT)	hazardous. Do not reuse container. Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
Advice on general occupational hygiene	: CT WOOL-METHANOL WASHED	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
	TENAX TA 60/80 (HT)	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Storage	: CT WOOL-METHANOL WASHED	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
	TENAX TA 60/80 (HT)	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

7.3 Specific end use(s)

Recommendations	: CT WOOL-METHANOL WASHED	Industrial applications, Professional applications.
	TENAX TA 60/80 (HT)	Industrial applications, Professional applications.
Industrial sector specific solutions	: CT WOOL-METHANOL WASHED	Not applicable.
	TENAX TA 60/80 (HT)	Not applicable.

SECTION 8: Exposure controls/personal protection

Since the hazardous ingredient in this article is encapsulated, the risk of exposure by inhalation, ingestion, skin contact and eyes contact is minimum.

8.1 Control parameters

Occupational exposure limits

Product/ingredient name	Exposure limit values
CT WOOL-METHANOL WASHED Glass, oxide, chemicals	EH40/2005 WELs (United Kingdom (UK), 12/2011). TWA: 5 mg/m ³ 8 hours.

Recommended monitoring procedures : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

No DNELs/DMELs available.

PNECs

No PNECs available

8.2 Exposure controls

Appropriate engineering controls : Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

Skin protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

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SECTION 8: Exposure controls/personal protection

- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	: CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)	Solid. [Fibrous solid.] Solid.
Colour	: CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)	Not available. White.
Odour	: CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)	Not available. Not available.
Odour threshold	: CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)	Not available. Not available.
pH	: CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)	Not available. Not available.
Melting point/freezing point	: CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)	>500°C Not available.
Initial boiling point and boiling range	: CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)	Not available. Not available.
Flash point	: CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)	Not available. Not available.
Evaporation rate	: CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)	Not available. Not available.
Flammability (solid, gas)	: CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)	Not available. Not available.
Upper/lower flammability or explosive limits	: CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)	Not available. Not available.
Vapour pressure	: CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)	Not available. Not available.
Vapour density	: CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)	Not available. Not available.
Relative density	: CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)	2.4 to 3 Not available.

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SECTION 9: Physical and chemical properties

Solubility(ies)	: CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)	Insoluble in the following materials: cold water and hot water. Insoluble in the following materials: cold water and hot water.
Partition coefficient: n-octanol/water	: CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)	Not available. Not available.
Auto-ignition temperature	: CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)	Not available. Not available.
Decomposition temperature	: CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)	>1000°C Not available.
Viscosity	: CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)	Not available. Not available.
Explosive properties	: CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)	Not available. Not available.
Oxidising properties	: CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)	Not available. Not available.

9.2 Other information

No additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity	: CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)	No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	: CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)	The product is stable. The product is stable.
10.3 Possibility of hazardous reactions	: CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)	Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	: CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)	No specific data. No specific data.
10.5 Incompatible materials	: CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)	May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials.
10.6 Hazardous decomposition products	: CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)	Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Not available.

Acute toxicity estimates

Not available.

Irritation/Corrosion

Conclusion/Summary : Not available.

Sensitiser

Conclusion/Summary : Not available.

Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
CT WOOL-METHANOL WASHED Glass, oxide, chemicals	Category 3	Not applicable.	Respiratory tract irritation
TENAX TA 60/80 (HT) Poly(oxy[1,1':3',1''-terphenyl]-2',5'-diyl)-	Category 3	Not applicable.	Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on likely routes of exposure : CT WOOL-METHANOL WASHED Routes of entry anticipated: Oral, Dermal, Inhalation.
TENAX TA 60/80 (HT) Routes of entry anticipated: Oral, Dermal, Inhalation.

Potential acute health effects

Inhalation : CT WOOL-METHANOL WASHED May cause respiratory irritation.
TENAX TA 60/80 (HT) May cause respiratory irritation.

Ingestion : CT WOOL-METHANOL WASHED No known significant effects or critical hazards.
TENAX TA 60/80 (HT) No known significant effects or critical hazards.

Skin contact : CT WOOL-METHANOL WASHED Causes skin irritation.
TENAX TA 60/80 (HT) Causes skin irritation.

Eye contact : CT WOOL-METHANOL WASHED Causes serious eye irritation.
TENAX TA 60/80 (HT) Causes serious eye irritation.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation : CT WOOL-METHANOL WASHED Adverse symptoms may include the following:
respiratory tract irritation
coughing
TENAX TA 60/80 (HT) Adverse symptoms may include the following:
respiratory tract irritation
coughing

Ingestion : CT WOOL-METHANOL WASHED No specific data.
TENAX TA 60/80 (HT) No specific data.

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SECTION 11: Toxicological information

Skin contact	: CT WOOL-METHANOL WASHED	Adverse symptoms may include the following: irritation redness
	TENAX TA 60/80 (HT)	Adverse symptoms may include the following: irritation redness
Eye contact	: CT WOOL-METHANOL WASHED	Adverse symptoms may include the following: pain or irritation watering redness
	TENAX TA 60/80 (HT)	Adverse symptoms may include the following: pain or irritation watering redness

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

General	: CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)	No known significant effects or critical hazards. No known significant effects or critical hazards.
Carcinogenicity	: CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)	No known significant effects or critical hazards. No known significant effects or critical hazards.
Mutagenicity	: CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)	No known significant effects or critical hazards. No known significant effects or critical hazards.
Teratogenicity	: CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)	No known significant effects or critical hazards. No known significant effects or critical hazards.
Developmental effects	: CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)	No known significant effects or critical hazards. No known significant effects or critical hazards.
Fertility effects	: CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)	No known significant effects or critical hazards. No known significant effects or critical hazards.

SECTION 12: Ecological information

12.1 Toxicity

Conclusion/Summary : Not available.

12.2 Persistence and degradability

Not available.

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SECTION 12: Ecological information

12.3 Bioaccumulative potential

Not available.

12.4 Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

Mobility : Not available.

12.5 Results of PBT and vPvB assessment

PBT : Not applicable.

vPvB : Not applicable.

12.6 Other adverse effects : No known significant effects or critical hazards.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Hazardous waste : The classification of the product may meet the criteria for a hazardous waste.

Packaging

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Special precautions : This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

This Safety Data Sheet is written based on the encapsulated substance or mixture in this article. Since the hazardous ingredient is encapsulated, the risk of exposure by inhalation, ingestion, skin contact and eyes contact is minimum.

ADR/RID / IMDG / IATA : Not regulated.

14.6 Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code : Not available.

SECTION 15: Regulatory information

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

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	CT WOOL-METHANOL WASHED	Not applicable.
	TENAX TA 60/80 (HT)	Not applicable.

Other EU regulations

Ozone depleting substances (1005/2009/EU)

Not listed.

Prior Informed Consent (PIC) (649/2012/EU)

Not listed.

Seveso Directive

This product is not controlled under the Seveso Directive.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol (Annexes A, B, C, E)

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Inventory list

Australia	: All components are listed or exempted.
Canada	: Not determined.
China	: All components are listed or exempted.
Europe	: All components are listed or exempted.
Japan	: Japan inventory (ENCS) : All components are listed or exempted. Japan inventory (ISHL) : All components are listed or exempted.
Malaysia	: All components are listed or exempted.
New Zealand	: All components are listed or exempted.
Philippines	: Not determined.
Republic of Korea	: Not determined.
Taiwan	: All components are listed or exempted.
Thailand	: Not determined.
Turkey	: Not determined.
United States	: All components are listed or exempted.

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SECTION 15: Regulatory information

Viet Nam : Not determined.

15.2 Chemical safety assessment : This product contains substances for which Chemical Safety Assessments might still be required.

SECTION 16: Other information

✔ Indicates information that has changed from previously issued version.

Abbreviations and acronyms : ATE = Acute Toxicity Estimate
 CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
 DNEL = Derived No Effect Level
 EUH statement = CLP-specific Hazard statement
 PNEC = Predicted No Effect Concentration
 RRN = REACH Registration Number

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
CT WOOL-METHANOL WASHED Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	Expert judgment Expert judgment Expert judgment
TENAX TA 60/80 (HT) Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	Expert judgment Expert judgment Expert judgment

Full text of abbreviated H statements

CT WOOL-METHANOL WASHED H315 H319 H335	Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.
TENAX TA 60/80 (HT) H315 H319 H335	Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.

Full text of classifications [CLP/GHS]

CT WOOL-METHANOL WASHED Eye Irrit. 2, H319 Skin Irrit. 2, H315 STOT SE 3, H335	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 SKIN CORROSION/IRRITATION - Category 2 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Respiratory tract irritation) - Category 3
TENAX TA 60/80 (HT) Eye Irrit. 2, H319 Skin Irrit. 2, H315 STOT SE 3, H335	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 SKIN CORROSION/IRRITATION - Category 2 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Respiratory tract irritation) - Category 3

Date of issue/ Date of revision : 20/07/2017

Date of previous issue : No previous validation.

Version : 1

Notice to reader

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SECTION 16: Other information

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