

**Triton Systems**Units 3-5 Crayford Commercial Centre, Greyhound Way  
Crayford, Kent DA1 4HF

Tel: 01322 318830 Fax: 01322 524017

[www.tritonsystems.co.uk](http://www.tritonsystems.co.uk)[info@tritonsystems.co.uk](mailto:info@tritonsystems.co.uk)

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07/2016**1. PRODUCT NAME: TRITON TWS-POLY H – COMP A****2. HAZARD IDENTIFICATION****2.1 CLASSIFICATION OF THE MIXTURE**

In accordance with Regulation (EU) No. 1272/2008

Flam. Liq. 3:	Flammable liquid and vapour.
Resp. Sens. 1:	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin Sens. 1:	May cause an allergic skin reaction.

**2.2 LABEL ELEMENTS**

Labelling in accordance with Regulation (EU) No 1272/2008

Pictograms

Signal Word

**Danger**

H statements

H226

H317

H334

Flammable liquid and vapour.  
May cause an allergic skin reaction  
May cause allergy or asthma symptoms or breathing difficulties if inhaled.

P statements

P280

P501

P304+P340

P342+P311

P370+P378

P403+P235

P303+P361+P353

Wear protective gloves/protective clothing/eye protection/face protection  
Dispose of contents/container to ...  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
If experiencing respiratory symptoms: Call a POISON CENTRE/doctor/...  
In case of fire: Use... to extinguish  
Store in a well-ventilated place. Keep cool.  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

EUH Statements:

EUH204

EUH208

Contains isocyanates. May produce an allergic reaction.  
Contains 4,4'-diphenylmethane diisocyanate, oligomers. May produce an allergic reaction.  
Restricted to professional users.

Contains:

Aromatic polyurethane polymer

**2.3 OTHER HAZARDS**

In normal use conditions and in its original form, the product itself does not involve any other risk for health and the environment.

**3. COMPOSITION****3.1 SUBSTANCES:**

Not applicable.

**3.2 MIXTURES**

Substances posing a danger to health or the environment in accordance with the Regulation (EC) No. 1272/2008, assigned a Community exposure limit in the workplace, and classified as PBT/vPvB or included in the Candidate List:



Identifiers	Name	Concentrate	(*) Classification – Regulation (EC) No 1272 / 2008	
			Classification	Specific concentration limit
CAS No: 96328-90-4 EC No: 692-819-0	Aromatic polyurethane polymer	1 – 75%	Resp.Sens.1, H334 – Skin Sens. 1, H317	-
Index No: 607-195-00-7 CAS No: 108-65-6 EC No: 203-603-9 Registration No: 01- 2119475791-29-XXXX	[1] 2-methoxy-1-methylethyl acetate	2.5 – 10%	Flam. Liq. 3, H226	-
Index No: 601-022-00-9 CAS No: 1330-20-7 EC No: 215-535-7 Registration No: 01- 2119488216-32-XXXX	[1] xylene (Mixture of isomers)	1 – 10%	Acute Tox. 4 *, H312 – Acute Tox. 4*. H332 -Flam. Liq. 3, H226 – Skin Irrit. 2, H315	-
Index No: 601-023-00-4 CAS No: 100-41-4 EC No: 202-849-4 Registration No: 01- 2119489370-35-XXXX	[1] ethylbenzene	1 – 10%	Acute Tox. 4*, H332 – Asp. Tox. 1, H304- Flam. Liq. 2, H225 – STOT RE 2, H373(órganos de audición)	-
CAS No: 25686-28-6 EC No: 500-040-3 Registration No: 01- 2119457013-49	4,4'diphenylmethane diisocyanate, oligomers	0 – 1%	Acute Tox. 2, H332 – Carc. 2, H351 – Eye Irrit. 2, H319 – Resp. Sens. 1, H334 – Skin Irrit. 2, H315 – Skin Sens. 1, H317 – Skin Sens. 1B, H317 -STOT RE 2, H373 – STOT SE 3, H335/H336	-

(\*) The complete text of the H phrases is given in section 16 of this Safety Data Sheet.

\* See Regulation (EC) No. 1272/2008, Annex VI, section 1.2.

[1] Substance with a Community workplace exposure limit (see section 8.1).

## 4. FIRST AID

### 4.1 DESCRIPTION OF FIRST AID MEASURES:

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

#### INHALATION:

If breathing is irregular or stops, perform artificial respiration. Do not administer anything orally. If unconscious, place them in a suitable position and seek medical assistance.

#### EYE CONTACT:

If wearing contact lenses, remove them. Wash eyes with plenty of clean and cool water for at least 10 minutes while pulling eyelids up, and seek medical assistance.

#### SKIN CONTACT:

Remove contaminated clothing. Wash skin vigorously with water and soap or a suitable skin cleaner. **NEVER** use solvents or thinners.

#### INGESTION:

If accidentally ingested, seek immediate medical attention. Keep calm. **NEVER** induce vomiting.

### 4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Harmful Product, prolonged exposure due to inhalation may cause anaesthetic effects and the need for immediate medical assistance.

### 4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.



## 5. FIRE-FIGHTING MEASURES

Flammable product, the necessary prevention measures should be taken in order to avoid risks. In case of fire, the following measures are recommended.

### 5.1 EXTINGUISHING MEDIA:

Recommended extinguishing methods: Extinguisher powder or CO<sup>2</sup>. In case of more serious fires, also alcohol-resistant foam and water spray. Do not use a direct stream of water to extinguish.

### 5.2 SPECIAL HAZARDS ARISING FROM THE MIXTURE

Special Risks: Fire can cause thick, black smoke. As a result of thermal decomposition, dangerous products can form: carbon monoxide, carbon dioxide. Exposure to combustion or decomposition products can be harmful to your health.

### 5.3 ADVICE TO FIREFIGHTERS:

Use water to cool tanks, cisterns, or containers close to the heat source or fire. Take wind direction into account. Prevent the products used to fight the fire from going into drains, sewers or waterways.

### FIRE PROTECTION EQUIPMENT:

According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, protective goggles or facemasks and gloves.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

Eliminate possible ignition points and ventilate the area. Avoid breathing fumes. For exposure control and individual protection measures, see section 8.

### 6.2 ENVIRONMENTAL PRECAUTIONS:

Prevent the contamination of drains, surface or subterranean waters and the ground.

### 6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:

Pick up the spill with non-combustible absorbent materials (soil, sand, vermiculite, diatomite, etc). Pour the product and the absorbent in an appropriate container. The contaminated area should be immediately cleaned with an appropriate decontaminator. Pore the decontaminator on the remains in an opened container and let it act various days until no further reaction is produced.

### 6.4 REFERENCE TO OTHER SECTIONS:

For exposure control and individual protection measures, see section 8.  
For later elimination of waste, follow the recommendations under section 13.

## 7. HANDLING AND STORAGE

### 7.1 PRECAUTIONS FOR SAFE HANDLING:

The fumes are heavier than air and can spread across the ground. They can form explosive mixtures with air. Prevent the creation of flammable or explosive fume concentrations in the air: prevent fume concentrations above work exposure limits. The product must only be used in areas where all unprotected flames and other ignition points have been eliminated. Electrical equipment has to be protected according to applicable standards.

The product can be electrostatically charged: always use earth grounds when transferring the product. Operators must use anti-static footwear and clothing, and floors must be conductors.

Keep the container tightly closed and isolated from heat sources, sparks and fire. Do not use tools that can cause sparks. For personal protection, see section 8. Never use pressure to empty the containers. They are not pressure-resistant containers.

In the application area, smoking, eating and drinking must be prohibited.

Follow legislation on occupational health and safety.

Keep the product in containers made of a material identical to the original.

### 7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

Store according to local legislation. Observe indications on the label. Store the containers between 5 and 35° C, in a dry and well-ventilated place, far from sources of heat and direct solar light. Keep far away from ignition points. Keep away from oxidising agents and from highly acidic or alkaline materials. Do not smoke. Prevent the entry of non-authorised persons. Once the containers are open, they must be carefully closed and place vertically to prevent spills.

Classification and threshold amount of storage in accordance with Annex I to Directive 2012/18/EU (SEVESO III)::

Code	Description	Qualifying quantity (tonnes) for the application of	
		Lower-tier requirements	Upper-tier requirements
P5b	FLAMMABLE LIQUIDS	50	200

### 7.3 SPECIFIC END USE(S)



## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 CONTROL PARAMETERS

Work exposure limit for:

Name	CAS No.	Country	Limit value	ppm	Mg/m <sup>3</sup>
2-methoxy-1-methylethyl acetate	108-65-6	European Union [1]	Eight hours	50 (skin)	275 (skin)
			Short term	100 (skin)	550 (skin)
		United Kingdom [2]	Eight hours	50	274
			Short Term	100	548
Xylene (Mixture of isomers)	1330-20-7	European Union [1]	Eight hours	50 (skin)	221 (skin)
			Short Term	100 (skin)	442 (skin)
		United Kingdom [2]	Eight hours	50	220
			Short Term	100	441
Ethylbenzene	100-41-7	European Union [1]	Eight hours	100 (skin)	442 (skin)
			Short Term	200 (skin)	884 (skin)
		United Kingdom [2]	Eight hours	100	441
			Short Term	125	552

[1] According both Binding Occupational Exposure Limits (BOELVs) and Indicative Occupational Exposure Limits (IOELVs) adopted by Scientific Committee for Occupational Exposure Limits to Chemical Agents (SCOEL).

[2] According Limit Value (IOELV) list in 2<sup>nd</sup> Indicative Occupational Exposure adopted by Health and Safety Executive.

The product does NOT contain substances with Biological Limit Values.

Concentration levels DNEL/DMEL:

Name	DNEL/DMEL	Type	Value
2-methoxy-1-methylethyl acetate N. CAS: 108-65-6 N. CE: 203-603-9	DNEL (Workers)	Inhalation, Long-term, Systemic effects	275 (mg/m <sup>3</sup> )
	DNEL (General population)	Inhalation, Long-term, Systemic effects	33 (mg/m <sup>3</sup> )
	DNEL (Workers)	Dermal, Long-term, Systemic effects	153,5 (mg/kg bw/day)
	DNEL (General Population)	Dermal, Long-term, Systemic effects	54,8 (mg/kg bw/day)
	DNEL (General population)	Oral, Long-term, Systemic effects	1,67 (mg/kg bw/day)
Xylene (Mixtures of isomers) N.CAS: 1330-20-7 N. CE: 215-535-7	DNEL (Workers)	Inhalation, Long-term, Systemic effects	77 (mg/m <sup>3</sup> )
Ethylbenzene N.CAS: 100-41-4 N. CE: 202-849-4	DNEL (Workers)	Inhalation, Long-term, Systemic effects	77 (mg/m <sup>3</sup> )

DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated.

DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum.

Concentration levels PNEC:






Name	Details	Value
2-methoxy-1-methylethyl acetate N. CAS: 108-65-6 N.CE: 203-603-9	Aqua (freshwater)	0,635(mg/L)
	Aqua (marine water)	0,0635 (mg/L)
	Aqua (intermittent releases)	6,35 (mg/L)
	PNEC STP	100 (mg/L)
	Sediment (freshwater)	3,29 (mg/kg Sediment dw)
	Sediment (marine water)	0,329 (mg/kg Sediment dw)
	Soil	0,29 (mg/kg Soil dw)

PNEC: Predicted No Effect Concentration, concentration of the substance below which adverse effects are not expected in the environmental compartment.

### 8.2 EXPOSURE CONTROLS

Measures of a technical nature:

Provide adequate ventilation, which can be achieved by using good local exhaust-ventilation and a good general exhaust system.

<b>Concentration:</b>	<b>100%</b>	
<b>Uses:</b>	<b>Coating</b>	
<b>Breathing Protection:</b>		
PPE: Characteristics: CEN Standards: Maintenance: Observations: Filter Type needed	Filter mask for protection against gases and particles. <CE> marking, category III. The mask must have a wide field of vision and an anatomically designed form in order to be sealed and watertight. EN 136, EN 140, EN 405 Should not be stored in places exposed to high temperatures and damp environments before used. Special attention should be paid to the stated of the inhalation and exhalation valves in the face adaptor. Read carefully the manufacturer's instructions regarding the equipment's use and maintenance. Attach the necessary filters to the equipment according to the specific nature of the risk (Particles and aerosols: P1-P2-P3, Gases and vapours: A-B-E-K-AX), changing them as advised by the manufacturer. A2	
<b>Hand protection:</b>		
PPE: Characteristics: CEN Standards: Maintenance: Observations: Material:	Protective gloves against chemicals. <CE> marking, category III. EN 374-1, EN 374-2, EN374-3, EN 420 Keep in a dry place, away from any sources of heat, and avoid exposure to sunlight as much as possible. Do not make any changes to the gloves that may alter their resistance, or apply paints, solvents or adhesives Gloves should be of the appropriate size and fit the users hand well, not being too loose or too tight. Always use with clean, dry hands. PVC (polyvinyl chloride) Breakthrough time > 480(min). Material thickness – 0.35mm	
<b>Eye protection:</b>		
PPE: Characteristics: CEN Standards: Maintenance: Observations:	Protective goggles with built-in frame. <CE> marking, category II. Eye protector with built-in frame for protection against dust, smoke, fog and vapour. EN 165, EN 166, EN 167, EN 168 Visibility through lenses should be ideal. Therefore, these parts should be cleaned daily. Protectors should be disinfected periodically following the manufacturer's instructions. Some signs of wear and tear include: yellow colouring of the lenses, superficial scratching of the lenses, scraping, etc.	
<b>Skin protection:</b>		
PPE: Characteristics: CEN Standards: Maintenance: Observations:	Anti-static protective clothing <CE> marking, category II. Protective clothing should not be too tight or loose in order not to obstruct the users movement. EN 340, EN 1149-1, EN 1149-2, EN 1149-3, EN 1149-5 In order to guarantee uniform protection, follow the washing and maintenance instructions provided by the manufacturer. The protective clothing should offer a level of comfort in line with the level of protection provided in terms of hazard against which it protects, bearing in mind environmental conditions, the users level of activity and the expected time of use.	
<b>Footwear:</b>		
PPE: Characteristics: CEN Standards: Maintenance: Observations:	Anti-static safety footwear. <CE> marking, category II. EN ISO 13287, EN ISO 20344, EN ISO 20346 The footwear should be checked regularly The level of comfort during use and acceptability are factors that are assessed very differently depending on the user. Therefore, it is advisable to try on different footwear models and, if possible, different widths.	

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Liquid with characteristic odour
<b>Colour:</b>	Depending on pigmentation
<b>Odour:</b>	Solvent
<b>Odour threshold:</b>	N.A./N.A.
<b>pH:</b>	n.a
<b>Melting Point:</b>	Not determined °C
<b>Boiling Point:</b>	238 °C
<b>Flash Point:</b>	45 °C
<b>Evaporation rate:</b>	Not determined
<b>Inflammability (solid, gas):</b>	Flammable
<b>Lower Explosive Limit:</b>	Not determined
<b>Upper Explosive Limit:</b>	N.A./N.A.

N.A./N.A. = Not available / Not Available due to the nature of the product.

<b>Vapour pressure:</b>	Not determined
<b>Vapour density:</b>	Not determined
<b>Relative density:</b>	1,3 g/cm <sup>3</sup>
<b>Solubility:</b>	Organic solvents
<b>Liposolubility:</b>	Not determined
<b>Hydrosolubility:</b>	Not soluble
<b>Partition coefficient (n-octanol/water):</b>	Not determined
<b>Auto-ignition temperature:</b>	N.A./N.A.
<b>Decomposition temperature:</b>	N.A./N.A.
<b>Viscosity:</b>	5000-10000 cps 25°C
<b>Explosive properties:</b>	Non explosive
<b>Oxidising properties:</b>	Non Oxidant



## 9.2 OTHER INFORMATION

Volatile organic compound (VOC)

Product Subcategory:

Phase I\* (from 01/01/2007)

Phase II\* (from 01/01/2010)

(\*) g/l ready to use

**One-pack performance coatings, solvent-borne****600 g/l****500 g/l**

VOC content (p/p

15%

VOC content

**184 g/l**

Pour Point:

Not determined

Blink

Not determined

Kinematic viscosity:

Not determined

**10. STABILITY/REACTIVITY**

10.1 REACTIVITY: If the storage conditions are satisfied, does not product dangerous reactions.

10.2 CHEMICAL STABILITY: Stable under the recommended handling and storage conditions (see section 7)

10.3 POSSIBILITY OF HAZARDOUS REACTIONS. Flammable liquid and vapour.

10.4 CONDITIONS TO AVOID: Avoid the following conditions:  
- High temperature  
- Static discharge  
- Contact with incompatible materials  
- Avoid temperatures near or above the flash point. Do not heat closed containers. Avoid direct sunlight and heat, as these may cause a risk of fire.10.5 INCOMPATIBLE MATERIALS: Avoid the following materials:  
- Explosive materials  
- Toxic materials  
- Oxidising materials

10.6 HAZARDOUS DECOMPOSITION PRODUCTS: In case of fire, dangerous decomposition products can be generated, such as carbon monoxide and dioxide and nitrogen fumes and oxides.

**11. TOXICOLOGICAL INFORMATION**

## 11.1 INFORMATION ON TOXICOLOGICAL EFFECTS.

Repeated or prolonged contact with the product can cause the elimination of oil from the skin, giving rise to non-allergic contact dermatitis and absorption of the product through the skin.

Exposure to concentrations of solvent fumes above the work exposure limit can have negative effects (for example, irritation of the mucous membranes and respiratory system, adverse effects on the kidneys, liver, and the central nervous system). Among the symptoms are headaches, vertigo, fatigue, muscular weakness, drowsiness and in extreme cases, unconsciousness.

Based on the properties of isocyanates and taking into account existing technical data on similar products, it appears that this product may cause irritation and / or acute awareness of the respiratory system, leading to an asthmatic condition, a wheezing and chest pressure. Therefore, sensitised individuals may show asthmatic symptoms when exposed to atmospheres containing concentrations below the level of exposure. Repeated exposure can lead to chronic respiratory diseases.

**Toxicological information about the substances present in the composition.**

Name	Acute toxicity			
	Type	Test	Kind	Value
Xylene (Mixture of isomers)	Oral	LD50	Rata/Rat	4300 mg/kg bw [1]
	Dermal			[1] AMA Archives of Industrial Health. Vol. 14, Pg. 387, 1956
		LD50	Rabbit/Cone Jo	> 1700 mg/kg bw [1]
CAS No: 1330-20-7 EC No: 215-535-7	Inhalation			[1] Raw material Data Handbook, Vol.1: Organic Solvents, 1974. Vol. 1, Pg. 123, 1974
		LC50	Rata/Rat	21,7 mg/l/4 h [1]
				[1] Raw Material Data Handbook, Vol.1: Organic Solvents, 1974. Vol. 1, Pg. 123, 1974





- a) Acute toxicity: Not conclusive data for classification  
Acute Toxicity Estimate (ATE):  
Mixtures:  
ATE (Dermal) = 12421 mg/kg
- b) Skin Corrosion/irritation; Based on available data, the classification criteria are not met.
- c) Serious eye damage/irritation: Based on available data, the classification criteria are not met.
- d) Respiratory or skin sensitisation:  
Product classified:  
Respiratory Sensitiser, Category 1:  
Skin Sensitiser, Category 1: May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
May cause an allergic skin reaction.
- e) Germ cell mutagenicity; Not conclusive data for classification
- f) Carcinogenicity; Based on available data, the classification criteria are not met.
- g) Reproductive toxicity; Not conclusive data for classification
- h) STOT-single exposure; Based on available data, the classification criteria are not met.
- i) STOT-repeated exposure; Based on available data, the classification criteria are not met.
- j) Aspiration hazard; Based on available data, the classification criteria are not met.

## 12. ECOLOGICAL INFORMATION

### 12.1 TOXICITY

Name	Ecotoxicity			
	Type	Test	Kind	Value
Xylene (Mixture of isomers)  CAS No: 1330-20-7 EC No: 215-535-7	Fish	LC50	Fish/Pez	15,7 mg/l (96 h) [1]
	Aquatic Invertebrates	LC50	Crustacean	8,5 mg/l (48 h) [1]
	Aquatic Plants			

12.2 PERSISTENCE AND DEGRADABILITY No information is available about persistence and degradability of the product.

12.3 BIOACCUMULATIVE POTENCIAL No information is available regarding the bioaccumulation of the substances present.

12.4 MOBILITY IN SOIL No information is available about the mobility in soil.  
The product must not be allowed to go into sewers or waterways.  
Prevent penetration into the ground.

12.5 RESULTS OF PBT AND vPvb ASSESSMENT No information is available about the results of PBT and vPvb assessment of the product.

12.6 OTHER ADVERSE EFFECTS No information is available about other adverse effects for the environment.



## 13. DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS Do not dump into sewers or waterways. Waste and empty containers must be handled and eliminated according to current, local/national legislation.  
Follow the provisions of Directive 2008/98/EC regarding waste management.

## 14. TRANSPORT INFORMATION

Transport following ADR rules for road transport, RID rules for railway, ADN for inner waterways, IMDG for sea, and ICAO/IATA for air transport.

**Land:** Transport by road: ADR, Transport by rail: RID  
Transport documentation: Consignment note and written instructions

**Sea:** Transport by ship: IMDG  
Transport documentation: Bill of lading

**Air:** Transport by plane: ICAO/IATA

Transport by plane: ICAO/IATA  
Transport document: Airway bill

14.1 UN NUMBER	UN No: UN1866
14.2 UN PROPER SHIPPING NAME	Description: UN 1866, RESIN SOLUTION, 3, PG III, (D/E)
14.3 TRANSPORT HAZARD CLASS(ES)	Class(es): 3
14.4 PACKING GROUP	Packing group: III
14.5 ENVIRONMENTAL HAZARDS	Marine pollutant: No
14.6 SPECIAL PRECAUTIONS FOR USER	Labels: 3



Hazard number: 30  
ADR LQ: 5 L

Provisions concerning carriage in bulk ADR: Not authorised carriage in bulk in accordance with ADR.  
Transport by ship, FEm – Emergency sheets (F – Fire, S – Spills): F-E, S-E  
Proceed in accordance with point 6.

14.7 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL AND THE IBC CODE. This product is not transported in bulk.

## 15. REGULATORY INFORMATION

### 15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS / LEGISLATION SPECIFIC FOR THE MIXTURE

The product is not affected by the Regulation (EC) No. 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer.

See Annex I of the Directive 96/82/EC of 9 December 1996 on the control of major –accident hazards involving dangerous substances. The provisions of Directive 2004/42/EC on VOC apply to this product. Refer to the product label and / or technical data sheet for further information.

Product classification according to Annex I of Directive 2012/18/EU (SEVESO III): E2

The product is not affected by Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products.

The product is not affected by the procedure established Regulation (EU) No 649/2012, concerning the export and import of dangerous chemicals.

Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles.





Designation of the substance, of the group of substances or of the mixture	Conditions of restriction
<p>28. Substances which appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 classified as carcinogen category 1A or 1B (Table 3.1) or carcinogen category 1 or 2 (Table 3.2) and listed as follows:</p> <ul style="list-style-type: none"><li>- Carcinogen category 1A (Table 3.1)/Carcinogen category 1 (Table 3.2) listed in Appendix 1</li><li>- Carcinogen category 1B (Table 3.1)/carcinogen category 2 (Table 3.2) listed in Appendix 2</li></ul>	<p>1. Shall not be placed on the market, or used,</p> <ul style="list-style-type: none"><li>- as substances,</li><li>- as constituents of other substances, or,</li><li>- in mixtures,</li></ul> <p>For supply to the general public when the individual concentration in the substance or mixture is equal to or greater than:</p> <ul style="list-style-type: none"><li>- either the relevant specific concentration limit specified in Part 3 of Annex VI to regulation (EC) No 1272/2008, or,</li><li>- the relevant concentration specified in Directive 1999/45/EC where no specific concentration limit is set out in Part 3 of Annex VI to Regulation (EC) No 1272/2008</li></ul> <p>Without prejudice to the implementation of other Community provisions relating to the classification, packaging and labelling of substances and mixtures, suppliers shall ensure before the placing on the market that the packaging of such substances and mixtures is marked visibly, legibly and indelibly as follows:</p> <p>'Restricted to professional users'</p> <p>2. By way of derogation, paragraph 1 shall not apply to:</p> <ul style="list-style-type: none"><li>(a) Medicinal or veterinary products as defines by Directive 2001/82/EC and Directive 2001/83/EC;</li><li>(b) cosmetic products as defined by Directive 76/768/EEC;</li><li>(c) the following fuels and oil products:<ul style="list-style-type: none"><li>- motor fuels which are covered by Directive 98/70/EC,</li><li>- mineral oil products intended for use as fuel in mobile or fixed combustion plants,</li><li>- fuels sold in closed systems (e.g. liquid gas bottles);</li></ul></li><li>(d) artists' paints covered by Directive 1999/45/EC;</li><li>(e) the substances listed in Appendix 11, column 1, for the applications or uses listed in Appendix 11, column 2. Where a date is specified in column 2 of Appendix 11, the derogation shall apply until the said date.</li></ul>
<p>29. Substances which appear in Part 3 of Annex VI to regulation (EC) No 1272/2008 classified as germ cell mutagen category 1A or 1B (Table 3.1) or mutagen category 1 or 2 (Table 3.2) and listed as follows:</p> <ul style="list-style-type: none"><li>- Mutagen category 1A (Table 3.1)/mutagen category 1 (Table 3.2) listed in Appendix 3</li><li>- Mutagen category 1B (Table 3.1)/mutagen category 2 (Table 3.2) listed in Appendix 4</li></ul>	<p>1. Shall not be placed on the market, or used,</p> <ul style="list-style-type: none"><li>- as substances,</li><li>- as constituents of other substances, or,</li><li>- in mixtures,</li></ul> <p>For supply to the general public when the individual concentration in the substance or mixture is equal to or greater than:</p> <ul style="list-style-type: none"><li>- either the relevant specific concentration limit specified in Part 3 of Annex VI to Regulation (EC) No 1272/2008, or,</li><li>- the relevant concentration specified in Directive 1999/45/EC where no specific concentration limit is set out in Part 3 of Annex VI to Regulation (EC) No 1272/2008.</li></ul> <p>Without prejudice to the implementation of other Community provision relating to the classification, packaging and labelling of substances and mixtures, suppliers shall ensure before placing on the market that the packaging of such substances and mixtures is marked visibly, legibly and indelibly as follows:</p> <p>'Restricted to professional users'.</p> <p>2. By way of derogation, paragraph 1 shall not apply to:</p> <ul style="list-style-type: none"><li>(a) Medicinal or veterinary products as defines by Directive 2001/82/EC and Directive 2001/83/EC;</li><li>(b) cosmetic products as defined by Directive 76/768/EEC;</li><li>(c) the following fuels and oil products:<ul style="list-style-type: none"><li>- motor fuels which are covered by Directive 98/70/EC,</li><li>- mineral oil products intended for use as fuel in mobile or fixed combustion plants,</li><li>- fuels sold in closed systems (e.g. liquid gas bottles);</li></ul></li><li>(d) artists' paints covered by Directive 1999/45/EC;</li><li>(e) the substances listed in Appendix 11, column 1, for the applications or uses listed in Appendix 11, column 2. Where a date is specified in column 2 of Appendix 11, the derogation shall apply until the said date.</li></ul>
<p>30. Substances which appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 classified as toxic to reproduction category 1A or 1B (Table 3.1) or toxic to reproduction category 1 or 2 (Table 3.2) and listed as follows:</p> <ul style="list-style-type: none"><li>- Reproductive toxicant category 1A adverse effects on sexual function and fertility or on development (Table 3.1) or reproductive toxicant category 1 with R60 (May impair fertility) or R61 (May cause harm to the unborn child) (Table 3.2) listed in Appendix 5</li><li>- Reproductive toxicant category 1B adverse effects on sexual function and fertility or on development (Table 3.1) or reproductive toxicant category 2 with R60 (May impair fertility) or R61 (May cause have to the unborn child) (Table 3.2) listed in Appendix 6</li></ul>	<p>1. Shall not be placed on the market, or used,</p> <ul style="list-style-type: none"><li>- as substances,</li><li>- as constituents of other substances, or,</li><li>- in mixtures,</li></ul> <p>For supply to the general public when the individual concentration in the substance or mixture is equal to or greater than:</p> <ul style="list-style-type: none"><li>- either the relevant specific concentration limit specified in Part 3 of Annex VI to Regulation (EC) No 1272/2008, or,</li><li>- the relevant concentration specified in Directive 1999/45/EC where no specific concentration limit is set out in Part 3 of Annex VI to Regulation (EC) No 1272/2008.</li></ul> <p>Without prejudice to the implementation of other Community provision relating to the classification, packaging and labelling of substances and mixtures, suppliers shall ensure before placing on the market that the packaging of such substances and mixtures is marked visibly, legibly and indelibly as follows:</p> <p>'Restricted to professional users'.</p> <p>2. By way of derogation, paragraph 1 shall not apply to:</p> <ul style="list-style-type: none"><li>(a) Medicinal or veterinary products as defines by Directive 2001/82/EC and Directive 2001/83/EC;</li><li>(b) cosmetic products as defined by Directive 76/768/EEC;</li><li>(c) the following fuels and oil products:<ul style="list-style-type: none"><li>- motor fuels which are covered by Directive 98/70/EC,</li><li>- mineral oil products intended for use as fuel in mobile or fixed combustion plants,</li><li>- fuels sold in closed systems (e.g. liquid gas bottles);</li></ul></li><li>(d) artists' paints covered by Directive 1999/45/EC;</li><li>(e) the substances listed in Appendix 11, column 1, for the applications or uses listed in Appendix 11, column 2. Where a date is specified in column 2 of Appendix 11, the derogation shall apply until the said date.</li></ul>

15.2 CHEMICAL SAFETY ASSESSMENT

There has been no evaluation a chemical safety assessment of the product.

## 16. OTHER INFORMATION

COMPLETE TEXT OF THE H PHRASES THAT APPEAR IN SECTION 3:

H225	Highly flammable liquid and vapour
H226	Flammable liquid and vapour
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin.
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H332	Harmful if inhaled
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335/H336	
H351	Suspected of causing cancer
H373	May cause damage to organs through prolonged or repeated exposure
H373	May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>. (órganosdeaudición)

CLASSIFICATION CODES:

Acute Tox. 4 [Dermal]:	Acute toxicity (Dermal), Category 4
Acute Tox. 4 [Inhalation]:	Acute toxicity (Inhalation), Category 4
Asp. Tox. 1:	Aspiration toxicity, Category 1
Carc. 2:	Carcinogen, Category 2
Eye Irrit. 2:	Eye Irritation, Category 2
Flam. Liq. 2:	Flammable liquid, Category 2
Flam. Liq. 3	Flammable liquid, Category 3
Resp. Sens. 1:	Respiratory Sensitiser, Category 1
Skin. Irrit. 2:	Skin Irritant, Category 2
Skin Sens. 1:	Skin Sensitiser, Category 1
Skin Sens. 1B:	Skin Sensitiser, Category 1B
STOT RE 2:	Specific target organ toxicity following a repeated exposure, Category 2
STOT SE 3:	Specific target organ toxicity following a single exposure, Category 3

It is advisable to carry our basic training with regard to health and safety at work in order to handle this product correctly.

LABELLING IN ACCORDANCE WITH DIRECTIVE 1999/45/EC:

SYMBOLS:



Harmful

R Phrases

R10	Flammable
R20	Harmful by inhalation
R42/43	May cause sensitisation by inhalation and skin contact
R36/37/38	Irritating to eyes, respiratory system and skin

S Phrases

S23	Do not breathe gas/fumes/vapour/spray
S24	Avoid contact with skin
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S37	Wear suitable gloves
S40	To clean the floor and all objects contaminated by this material, use .... (with solvent).
S45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S60	This material and its container must be disposed of as hazardous waste.

Other Phrases:

Contains isocyanates. See the information provided by the manufacturer.

Restricted to professional uses: Attention – avoid exposure – ask for special instructions prior to use.

Restricted to professional users.



Contains: Aromatic polyurethane polymer

Abbreviations and acronyms used:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
CEN: European Committee for Standardization  
DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum  
DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated  
EC50: Half maximal effective concentration  
PPE: Personal protection equipment  
IATA: International Air Transport Association  
IMDG: International Maritime Code for Dangerous Goods  
LC50: Lethal concentration, 50%  
LD50: Lethal dose, 50%  
PNEC: Predicted No Effect Concentration, concentration of the substance below which adverse effects are not expected in the environmental compartment.  
RID: Regulations Concerning the International Transport of Dangerous Goods by Rail.

Key literature references and sources for data:

<http://eur-lex.europa.eu/homepage.html>

<http://echa.europa.eu/>

Regulation (EU) 2015/830

Regulation (EC) No 1907/2006

Regulation (EU) No 1272/2008

The information given in this Safety Data Sheet has been drafted in accordance with COMMISSION REGULATION (EU) 2015/830 of May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

*The information in this Safety Data Sheet on the Preparation is based on current knowledge and on current EC and national laws, as far as the working conditions of the users is beyond our knowledge and control. The product must not be used for purposes other than those that are specified without first having written instructions on how to handle. It is always the responsibility of the user to take the appropriate measures in order to comply with the requirements established by current legislation. The information contained in this Safety Sheet only states a description of the safety requirements for the preparation, and it must not be considered as a guarantee of its properties.*

### Triton Systems

Units 3-5 Crayford Commercial Centre, Greyhound Way  
Crayford, Kent DA1 4HF

Tel: 01322 318830 Fax: 01322 524017

[www.tritonsystems.co.uk](http://www.tritonsystems.co.uk)

[info@tritonsystems.co.uk](mailto:info@tritonsystems.co.uk)

MSDS Ref:

Publication date  
07/2016

Revision date  
07/2016

## 1. PRODUCT NAME:

# TRITON TWS-POLY H – COMP B

## 2. HAZARD IDENTIFICATION

### 2.1 CLASSIFICATION OF THE MIXTURE

In accordance with Regulation (EU) No. 1272/2008

Acute Tox. 4:	Harmful if swallowed
Acute Tox. 4:	Harmful if swallowed or if inhaled.
Aquatic Acute 1:	Very toxic to aquatic life.
Aquatic Chronic 1:	Very toxic to aquatic life with long lasting effects.
Asp. Tox. 1:	May be fatal if swallowed and enters airways.
Skin Irrit. 2:	Causes skin irritation.
Skins Sens. 1:	May cause an allergic skin reaction.
STOT RE 2:	May cause damage to organs through prolonged or repeated exposure.

### 2.2 LABEL ELEMENTS

Labelling in accordance with Regulation (EU) No 1272/2008

#### Pictograms



Signal Word

**Danger**

H statements

H302+H332

H304

H315

H317

H373

H410

Harmful if swallowed or if inhaled

May be fatal if swallowed and enters airways.

Causes skin irritation

May cause an allergic skin reaction

May cause damage to organs through prolonged or repeated exposure

Very toxic to aquatic life with long lasting effects

P statements

P260

Do not breathe dust/fume/gas/mist/vapours/spray.

P270

Do not eat, drink or smoke when using this product.

P273

Avoid release to the environment.

P280

Wear protective gloves/protective clothing/eye protection/face protection.

P405

Store locked up.

P501

Dispose of contents/container to ...

P302+P352

IF ON SKIN: Wash with plenty of water

Contains:

ethylbenzene

6-methyl-2,4-bis(methylthio) phenylene-1,3-diamine

Xylene (Mixture of isomers)

### 2.3 OTHER HAZARDS

In normal use conditions and in its original form, the product itself does not involve any other risk for health and the environment.

## 3. COMPOSITION

### 3.1 SUBSTANCES:

Not applicable.

### 3.2 MIXTURES

Substances posing a danger to health or the environment in accordance with the Regulation (EC) No. 1272/2008, assigned a Community exposure limit in the workplace, and classified as PBT/vPvB or included in the Candidate List:

Identifiers	Name	Concentrate	(*) Classification – Regulation (EC) No 1272 / 2008	
			Classification	Specific concentration limit
Index No: 615-113-00-8 CAS No: 106264-79-3 EC No: 403-240-8 Registration No: 01-0000015292-76-0000	6-methyl-2,4-bis(methylthio)phenylene-1,3-diamine	25 – 50%	Acute Tox. 4* H302 – Aquatic Acute 1, H400 – Aquatic Chronic 1, H410 – Skin Sens. 1, H317	-
Index No: 601-022-00-9 CAS No: 1330-20-7 EC No: 215-535-7 Registration No: 01-2119488216-32-XXXX	[1] xylene (Mixture of isomers)	42 – 50%	Flam. Liq. 3, H226	-
Index No: 601-023-00-4 CAS No: 100-41-4 EC No: 202-849-4 Registration No: 01-2119489370-35-XXXX	[1] ethylbenzene	11 - 25%	Acute Tox. 4*, H332 – Asp. Tox. 1, H304-Flam. Liq. 2, H225 – STOT RE 2, H373(órganos de audición)	-

(\*) The complete text of the H phrases is given in section 16 of this Safety Data Sheet.

\* See Regulation (EC) No. 1272/2008, Annex VI, section 1.2.

[1] Substance with a Community workplace exposure limit (see section 8.1).

## 4. FIRST AID

**IRRITANT PREPARATION.** Its repeated or prolonged contact with the skin or mucous membranes can cause irritant symptoms such as reddening of the skin, blisters or dermatitis. Some of the symptoms may not be immediate. They can cause allergic reactions on the skin.

### 4.1 DESCRIPTION OF FIRST AID MEASURES:

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

#### INHALATION:

If wearing contact lenses, remove them. If breathing is irregular or stops, perform artificial respiration. Do not administer anything orally. If unconscious, place them in a suitable position and seek medical assistance.

#### EYE CONTACT:

If wearing contact lenses, remove them. Wash eyes with plenty of clean and cool water for at least 10 minutes while pulling eyelids up, and seek medical assistance.

#### SKIN CONTACT:

Remove contaminated clothing. Wash skin vigorously with water and soap or a suitable skin cleaner. **NEVER** use solvents or thinners.

#### INGESTION:

If accidentally ingested, seek immediate medical attention. Keep calm. **NEVER** induce vomiting.

### 4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Harmful Product, prolonged exposure due to inhalation may cause anaesthetic effects and the need for immediate medical assistance.

### 4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.



## 5. FIRE-FIGHTING MEASURES

Flammable product, the necessary prevention measures should be taken in order to avoid risks. In case of fire, the following measures are recommended.

### 5.1 EXTINGUISHING MEDIA:

Recommended extinguishing methods: Extinguisher powder or CO<sup>2</sup>. In case of more serious fires, also alcohol-resistant foam and water spray. Do not use a direct stream of water to extinguish.

### 5.2 SPECIAL HAZARDS ARISING FROM THE MIXTURE

Special Risks: Fire can cause thick, black smoke. As a result of thermal decomposition, dangerous products can form: carbon monoxide, carbon dioxide. Exposure to combustion or decomposition products can be harmful to your health.

### 5.3 ADVICE TO FIREFIGHTERS:

Use water to cool tanks, cisterns, or containers close to the heat source or fire. Take wind direction into account. Prevent the products used to fight the fire from going into drains, sewers or waterways.

### FIRE PROTECTION EQUIPMENT:

According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, protective goggles or facemasks and gloves.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

Eliminate possible ignition points and ventilate the area. Avoid breathing fumes. For exposure control and individual protection measures, see section 8.

### 6.2 ENVIRONMENTAL PRECAUTIONS:

Product dangerous for the environment, in case of large spills or if the product contaminates lakes, rivers or sewers, inform the responsible authorities according to local legislation. Prevent the contamination of drains, surface or subterranean waters, and the ground.

### 6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:

Pick up the spill with non-combustible absorbent materials (soil, sand, vermiculite, diatomite, etc). Pour the product and the absorbent in an appropriate container. The contaminated area should be immediately cleaned with an appropriate decontaminator. Pore the decontaminator on the remains in an opened container and let it act various days until no further reaction is produced.

### 6.4 REFERENCE TO OTHER SECTIONS:

For exposure control and individual protection measures, see section 8. For later elimination of waste, follow the recommendations under section 13.

## 7. HANDLING AND STORAGE

### 7.1 PRECAUTIONS FOR SAFE HANDLING:

The fumes are heavier than air and can spread across the ground. They can form explosive mixtures with air. Prevent the creation of flammable or explosive fume concentrations in the air: prevent fume concentrations above work exposure limits. The product must only be used in areas where all unprotected flames and other ignition points have been eliminated. Electrical equipment has to be protected according to applicable standards.

The product can be electrostatically charged: always use earth grounds when transferring the product. Operators must use anti-static footwear and clothing, and floors must be conductors.

Keep the container tightly closed and isolated from heat sources, sparks and fire. Do not use tools that can cause sparks. For personal protection, see section 8. Never use pressure to empty the containers. They are not pressure-resistant containers.

In the application area, smoking, eating and drinking must be prohibited.

Follow legislation on occupational health and safety.

Keep the product in containers made of a material identical to the original.

### 7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

Store according to local legislation. Observe indications on the label. Store the containers between 5 and 35° C, in a dry and well-ventilated place, far from sources of heat and direct solar light. Keep far away from ignition points. Keep away from oxidising agents and from highly acidic or alkaline materials. Do not smoke. Prevent the entry of non-authorized persons. Once the containers are open, they must be carefully closed and place vertically to prevent spills.

Classification and threshold amount of storage in accordance with Annex I to Directive 2012/18/EU (SEVESO III)::

Code	Description	Qualifying quantity (tonnes) for the application of	
		Lower-tier requirements	Upper-tier requirements
E1	ENVIRONMENTAL HAZARDS – Hazardous to the Aquatic Environment in Category Acute 1 or Chronic 1	100	200

### 7.3 SPECIFIC END USE(S)

According to 93/112EC



## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 CONTROL PARAMETERS

Work exposure limit for:

Name	CAS No.	Country	Limit value	ppm	Mg/m <sup>3</sup>
Xylene (Mixture of isomers)	1330-20-7	European Union [1]	Eight hours	50 (skin)	221 (skin)
			Short term	100 (skin)	442 (skin)
		United Kingdom [2]	Eight hours	50	220
			Short Term	100	441
ethylbenzene	100-41-4	European Union [1]	Eight hours	100 (skin)	442 (skin)
			Short Term	200 (skin)	884 (skin)
		United Kingdom [2]	Eight hours	100	441
			Short Term	125	552

[1] According both Binding Occupational Exposure Limits (BOELVs) and Indicative Occupational Exposure Limits (IOELVs) adopted by Scientific Committee for Occupational Exposure Limits to Chemical Agents (SCOEL).

[2] According Limit Value (IOELV) list in 2<sup>nd</sup> Indicative Occupational Exposure adopted by Health and Safety Executive.

The product does NOT contain substances with Biological Limit Values.

Concentration levels DNEL/DMEL:

Name	DNEL/DMEL	Type	Value
6-methoxy-2,4-bis(methylthio)phenylene-1,3-diamine N. CAS: 106264-79-3 N. CE: 403-240-8	DNEL (Workers)	Inhalation, Long-term, Systemic effects	3,4 (mg/m <sup>3</sup> )
Xylene (Mixtures of isomers) N.CAS: 1330-20-7 N. CE: 215-535-7	DNEL (Workers)	Inhalation, Long-term, Systemic effects	77 (mg/m <sup>3</sup> )
Ethylbenzene N.CAS: 100-41-4 N. CE: 202-849-4	DNEL (Workers)	Inhalation, Long-term, Systemic effects	77 (mg/m <sup>3</sup> )

DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated.



DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum.

### 8.2 EXPOSURE CONTROLS

Measures of a technical nature:

Provide adequate ventilation, which can be achieved by using good local exhaust-ventilation and a good general exhaust system.

<b>Concentration:</b>	<b>100%</b>	
<b>Uses:</b>	<b>Coating</b>	
<b>Breathing Protection:</b>		
PPE:	Filter mask for protection against gases and particles.	
Characteristics:	<CE> marking, category III. The mask must have a wide field of vision and an anatomically designed form in order to be sealed and watertight.	
CEN Standards:	EN 136, EN 140, EN 405	
Maintenance:	Should not be stored in places exposed to high temperatures and damp environments before used. Special attention should be paid to the stated of the inhalation and exhalation valves in the face adaptor.	
Observations:	Read carefully the manufacturer's instructions regarding the equipment's use and maintenance. Attach the necessary filters to the equipment according to the specific nature of the risk (Particles and aerosols: P1-P2-P3, Gases and vapours: A-B-E-K-AX), changing them as advised by the manufacturer.	
Filter Type needed	A2	
<b>Hand protection:</b>		
PPE:	Protective gloves against chemicals.	
Characteristics:	<CE> marking, category III.	
CEN Standards:	EN 374-1, EN 374-2, EN374-3, EN 420	
Maintenance:	Keep in a dry place, away from any sources of heat, and avoid exposure to sunlight as much as possible. Do not make any changes to the gloves that may alter their resistance, or apply paints, solvents or adhesives	
Observations:	Gloves should be of the appropriate size and fit the users hand well, not being too loose or too tight. Always use with clean, dry hands.	
Material:	PVC (polyvinyl chloride) Breakthrough time > 480(min). Material thickness – 0.35mm	
<b>Eye protection:</b>		
PPE:	Protective goggles with built-in frame.	
Characteristics:	<CE> marking, category II. Eye protector with built-in frame for protection against dust, smoke, fog and vapour.	
CEN Standards:	EN 165, EN 166, EN 167, EN 168	
Maintenance:	Visibility through lenses should be ideal. Therefore, these parts should be cleaned daily. Protectors should be disinfected periodically following the manufacturer's instructions.	
Observations:	Some signs of wear and tear include: yellow colouring of the lenses, superficial scratching of the lenses, scraping, etc.	

Skin protection:	
PPE: Characteristics:	Anti-static protective clothing <CE> marking, category II. Protective clothing should not be too tight or loose in order not to obstruct the users movement. EN 340, EN 1149-1, EN 1149-2, EN 1149-3, EN 1149-5
CEN Standards:	In order to guarantee uniform protection, follow the washing and maintenance instructions provided by the manufacturer.
Maintenance:	The protective clothing should offer a level of comfort in line with the level of protection provided in terms of hazard against which it protects, bearing in mind environmental conditions, the users level of activity and the expected time of use.
Observations:	
	
Footwear:	
PPE: Characteristics:	Anti-static safety footwear. <CE> marking, category II. EN ISO 13287, EN ISO 20344, EN ISO 20346
CEN Standards:	The footwear should be checked regularly
Maintenance:	The level of comfort during use and acceptability are factors that are assessed very differently depending on the user. Therefore, it is advisable to try on different footwear models and, if possible, different widths.
Observations:	
	

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Liquid with characteristic odour and colour
<b>Colour:</b>	Yellowish
<b>Odour:</b>	Characteristic
<b>Odour threshold:</b>	N.A./N.A.
<b>pH:</b>	n.a
<b>Melting Point:</b>	Not determined °C
<b>Boiling Point:</b>	202 °C
<b>Flash Point:</b>	26 °C
<b>Evaporation rate:</b>	Not determined
<b>Inflammability (solid, gas):</b>	Flammable
<b>Lower Explosive Limit:</b>	Not determined
<b>Upper Explosive Limit:</b>	N.A./N.A.

N.A./N.A. = Not available / Not Available due to the nature of the product.

<b>Vapour pressure:</b>	Not determined
<b>Vapour density:</b>	Not determined
<b>Relative density:</b>	0,9 g/cm <sup>3</sup>
<b>Solubility:</b>	Soluble in Organic solvents
<b>Liposolubility:</b>	Soluble
<b>Hydrosolubility:</b>	Not soluble
<b>Partition coefficient (n-octanol/water):</b>	Not determined
<b>Auto-ignition temperature:</b>	N.A./N.A.
<b>Decomposition temperature:</b>	N.A./N.A.
<b>Viscosity:</b>	5 approx
<b>Explosive properties:</b>	Not determined
<b>Oxidising properties:</b>	Not determined

### 9.2 OTHER INFORMATION

VOC content (p/p)	55,6 %
VOC content	<b>500,4 g/l</b>
Pour Point:	Not determined
Blink	Not determined
Kinematic viscosity:	Not determined

## 10. STABILITY/REACTIVITY

10.1 REACTIVITY:	The product does not present hazards by their reactivity.
10.2 CHEMICAL STABILITY:	Stable under the recommended handling and storage conditions (see section 7)
10.3 POSSIBILITY OF HAZARDOUS REACTIONS.	The product does not present possibility of hazardous reactions.
10.4 CONDITIONS TO AVOID:	Avoid any improper handling.
10.5 INCOMPATIBLE MATERIALS:	Keep away from oxidising agents and from highly alkaline or acidic materials in order to prevent exothermic reactions.
10.6 HAZARDOUS DECOMPOSITION PRODUCTS:	No decomposition if used for the intended uses.

## 11. TOXICOLOGICAL INFORMATION

**IRRITANT PREPARATION.** Its repeated or prolonged contact with the skin or mucous membranes can cause irritant symptoms such as reddening of the skin, blisters or dermatitis. Some of the symptoms may not be immediate. They can cause allergic reactions on the skin.

### 11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

Repeated or prolonged contact with the product can cause the elimination of oil from the skin, giving rise to non-allergic contact dermatitis and absorption of the product through the skin.

Splatters in the eyes can cause irritation and reversible damage.

#### Toxicological information about the substances present in the composition.

Name	Acute toxicity			
	Type	Test	Kind	Value
Xylene (Mixture of isomers)  CAS No: 1330-20-7    EC No: 215-535-7	Oral	LD50	Rata/Rat	4300 mg/kg bw [1]
				[1] AMA Archives of Industrial Health. Vol. 14, Pg. 387, 1956
	Dermal	LD50	Rabbit/Cone Jo	> 1700 mg/kg bw [1]
			[1] Raw material Data Handbook, Vol.1: Organic Solvents, 1974. Vol. 1, Pg. 123, 1974	
Inhalation	LC50	Rata/Rat	21,7 mg/l/4 h [1]	
			[1] Raw Material Data Handbook, Vol.1: Organic Solvents, 1974. Vol. 1, Pg. 123, 1974	

- a) Acute toxicity:  
Product classified:  
Acute toxicity (Inhalation), Category 4: Harmful if inhaled.  
Acute toxicity (Oral), Category 4: Harmful if swallowed.
- Acute Toxicity Estimate (ATE):  
Mixtures:  
ATE (Dermal) = 2536 mg/kg  
ATE (Inhalation) = 8094 mg/l/4 h (Gases)  
ATE (Oral) = 1149 mg/kg
- b) Skin Corrosion/irritation;  
Product classified:  
Skin irritant, Category 2: Causes skin irritation.
- c) Serious eye damage/irritation: Not conclusive data for classification.
- d) Respiratory or skin sensitisation:  
Product classified:  
Skin Sensitiser: Category 1: May cause an allergic skin reaction.
- e) Germ cell mutagenicity; Not conclusive data for classification
- f) Carcinogenicity; Not conclusive data for classification
- g) Reproductive toxicity; Not conclusive data for classification
- h) STOT-single exposure; Not conclusive data for classification
- i) STOT-repeated exposure; Product classified  
Specific target organ toxicity following a repeated exposure, Category 2: May cause damage to organs through prolonged or repeated exposure.
- j) Aspiration hazard;  
Product classified: Aspiration toxicity, Category 1: May be fatal if swallowed and enters airways.



## 12. ECOLOGICAL INFORMATION

### 12.1 TOXICITY

Name	Ecotoxicity			
	Type	Test	Kind	Value
Xylene (Mixture of isomers)  CAS No: 1330-20-7 EC No: 215-535-7	Fish	LC50	Fish/Pez	15,7 mg/l (96 h) [1]
		[1] Bailey, H.C., D.H.W. Liu, and H.A. Javitz 1985, Time/Toxicity Relationships in Short-Term Static, Dynamic, and Plug-Flow Bioassays. In: R.c.Bahner and D.J.Hansen (Eds.), Aquatic Toxicology and Hazard Assessment, 8th Symposium, ASTM STP 891, Philadelphia, PA :193-212		
	Aquatic Invertebrates	LC50	Crustacean	8,5 mg/l (48 h) [1]
			Aquatic Plants	

### 12.2 PERSISTENCE AND DEGRADABILITY

No information is available about persistence and degradability of the product.

### 12.3 BIOACCUMULATIVE POTENCIAL

No information is available regarding the bioaccumulation of the substances present.

### 12.4 MOBILITY IN SOIL

No information is available about the mobility in soil.  
The product must not be allowed to go into sewers or waterways.  
Prevent penetration into the ground.

### 12.5 RESULTS OF PBT AND vPvb ASSESSMENT

No information is available about the results of PBT and vPvB assessment of the product.

### 12.6 OTHER ADVERSE EFFECTS

No information is available about other adverse effects for the environment.

## 13. DISPOSAL CONSIDERATIONS

### 13.1 WASTE TREATMENT METHODS

Do not dump into sewers or waterways. Waste and empty containers must be handled and eliminated according to current, local/national legislation.  
Follow the provisions of Directive 2008/98/EC regarding waste management.

## 14. TRANSPORT INFORMATION

Transport following ADR rules for road transport, RID rules for railway, ADN for inner waterways, IMDG for sea, and ICAO/IATA for air transport.

**Land:** Transport by road: ADR, Transport by rail: RID

Transport documentation: Consignment note and written instructions

**Sea:** Transport by ship: IMDG

Transport documentation: Bill of lading

**Air:** Transport by plane: ICAO/IATA

Transport by plane: ICAO/IATA

Transport document: Airway bill

### 14.1 UN NUMBER

UN No: UN1993

### 14.2 UN PROPER SHIPPING NAME

Description: UN 1993, FLAMMABLE LIQUID, N.O.S. (CONTAINS XYLENE (MIXTURE OF ISOMERS) / ETHYLBENZENE), 3, PG III, (D/E)

### 14.3 TRANSPORT HAZARD CLASS(ES)

Class(es): 3

### 14.4 PACKING GROUP

Packing group: III

### 14.5 ENVIRONMENTAL HAZARDS

Marine pollutant: Yes

14.6 SPECIAL PRECAUTIONS FOR USER

Labels: 3



Hazard number: 30  
ADR LQ: 5 L

Provisions concerning carriage in bulk ADR: Not authorised carriage in bulk in accordance with ADR.  
Transport by ship, FEm – Emergency sheets (F – Fire, S – Spills): F-E,S-E  
Proceed in accordance with point 6.

14.7 TRANSPORT IN BULK ACCORDING TO  
ANNEX II OF MARPOL AND THE IBC CODE.

This product is not transported in bulk.

## 15. REGULATORY INFORMATION

### 15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS / LEGISLATION SPECIFIC FOR THE MIXTURE

The product is not affected by the Regulation (EC) No. 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer.

See Annex I of the Directive 96/82/EC of 9 December 1996 on the control of major –accident hazards involving dangerous substances. The provisions of Directive 2004/42/EC on VOC apply to this product. Refer to the product label and / or technical data sheet for further information.

Product classification according to Annex I of Directive 2012/18/EU (SEVESO III): E1

The product is not affected by Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products.

The product is not affected by the procedure established Regulation (EU) No 649/2012, concerning the export and import of dangerous chemicals.

Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles.

### 15.2 CHEMICAL SAFETY ASSESSMENT

There has been no evaluation a chemical safety assessment of the product.

## 16. OTHER INFORMATION

COMPLETE TEXT OF THE H PHRASES THAT APPEAR IN SECTION 3:

H225	Highly flammable liquid and vapour
H226	Flammable liquid and vapour
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin.
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H332	Harmful if inhaled
H373	May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>. (órganosdeaudición)
H400	Very toxic to aquatic
H410	Very toxic to aquatic life with long lasting effects.

CLASSIFICATION CODES:

Acute Tox. 4 [Dermal]:	Acute toxicity (Dermal), Category 4
Acute Tox. 4 [Inhalation]:	Acute toxicity (Inhalation), Category 4
Acute Tox. 4 [Oral]:	Acute toxicity (Oral), Category 4
Aquatic Acute 1:	Acute toxicity to the aquatic environment, Category 1
Aquatic Chronic 1:	Chronic effect to the aquatic environment, Category 1
Asp. Tox. 1:	Aspiration toxicity, Category 1
Flam. Liq. 2:	Flammable liquid, Category 2
Flam. Liq. 3:	Flammable liquid, Category 3
Skin. Irrit. 2:	Skin Irritant, Category 2
Skin Sens. 1:	Skin Sensitiser, Category 1
STOT RE 2:	Specific target organ toxicity following a repeated exposure, Category 2

It is advisable to carry our basic training with regard to health and safety at work in order to handle this product correctly.

LABELLING IN ACCORDANCE WITH DIRECTIVE 1999/45/EC:

SYMBOLS:



Harmful



Dangerous for the environment

R Phrases

R10	Flammable
R38	Irritation to skin
R43	May cause sensitisation by skin contact
R65	Harmful: may cause lung damage if swallowed
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation
R40/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed

S Phrases

S23	Do not breathe gas/fumes/vapour/spray
S28	After contact with skin, wash immediately with plenty of water
S40	To clean the floor and all objects contaminated by this material, use .... (with solvent).
S57	Use appropriate container to avoid environmental contamination
S61	Avoid release to the environment. Refer to special instructions/safety data sheets
S62	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
S36/37	Wear suitable protective clothing and gloves.

Contains:

ethylbenzene  
6-methyl-2,4-bis(methylthio)phenylene-1,3-diamine  
Xylene (Mixture of isomers)

Abbreviations and acronyms used:

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
CEN:	European Committee for Standardization
DMEL:	Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum
DNEL:	Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated
EC50:	Half maximal effective concentration
PPE:	Personal protection equipment
IATA:	International Air Transport Association
IMDG:	International Maritime Code for Dangerous Goods
LC50:	Lethal concentration, 50%
LD50:	Lethal dose, 50%
RID:	Regulations Concerning the International Transport of Dangerous Goods by Rail.

Key literature references and sources for data:

<http://eur-lex.europa.eu/homepage.html>

<http://echa.europa.eu/>

Regulation (EU) 2015/830

Regulation (EC) No1907/2006

Regulation (EU) No 1272/2008

The information given in this Safety Data Sheet has been drafted in accordance with COMMISSION REGULATION (EU) 2015/830 of May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

*The information in this Safety Data Sheet on the Preparation is based on current knowledge and on current EC and national laws, as far as the working conditions of the users is beyond our knowledge and control. The product must not be used for purposes other than those that are specified without first having written instructions on how to handle. It is always the responsibility of the user to take the appropriate measures in order to comply with the requirements established by current legislation. The information contained in this Safety Sheet only states a description of the safety requirements for the preparation, and it must not be considered as a guarantee of its properties.*