

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

### 1.1. Product identifier

Trade name or designation of the mixture	CRUDE METHYL P-TOLUATE
Registration number	-
Synonyms	Metol, Crude MpT
Issue date	17-September-2013
Version number	1,0
Revision date	17-September-2013

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

Identified uses	Chemical intermediate.
Uses advised against	None known.

### 1.3. Details of the supplier of the safety data sheet

Company name	INVISTA Textiles (U.K.) Ltd
Address	Wilton Centre Redcar TS10 4RF
General Information	+44-1642-57-2200
Email	SDS@INVISTA.COM
Emergency	+44-1235-239-670 (24 hrs)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification according to Directive 67/548/EEC or 1999/45/EC as amended

Classification Xi;R36/37/38

Classification according to Regulation (EC) No 1272/2008 as amended

#### Health hazards

Skin corrosion/irritation	Category 2	H315 - Causes skin irritation.
Serious eye damage/eye irritation	Category 2	H319 - Causes serious eye irritation.
Specific target organ toxicity - single exposure	Category 3 respiratory tract irritation	H335 - May cause respiratory irritation.

### 2.2. Label elements

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

Contains: DIMETHYL TEREPHTHALATE, METHYL BENZOATE, METHYL P-TOLUATE

#### Hazard pictograms



Signal word Warning

#### Hazard statements

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

### Precautionary statements

#### Prevention

P280	Wear protective gloves.
P280	Wear eye/face protection.

#### Response

P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P304 + P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTRE or doctor/physician if you feel unwell.

<b>Storage</b>	Not available.
<b>Disposal</b>	Not available.
<b>Supplemental label information</b>	Not applicable.
<b>2.3. Other hazards</b>	Not assigned.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
METHYL P-TOLUATE	> 70%	99-75-2 202-784-1	-	-	
<b>Classification:</b>		<b>DSD:</b> Xi;R36/37/38			
		<b>CLP:</b> Skin Irrit. 2;H315, Eye Irrit. 2;H319, STOT SE 3;H335			
DIMETHYL TEREPHTHALATE	< 20%	120-61-6 204-411-8	01-2119472299-26-0006	-	
<b>Classification:</b>		<b>DSD:</b> -			
		<b>CLP:</b> -			
METHYL BENZOATE	< 10%	93-58-3 202-259-7	01-2119969653-24-0000	-	
<b>Classification:</b>		<b>DSD:</b> Xn;R22			
		<b>CLP:</b> Acute Tox. 4;H302			
METHYL-4-FORMYLBENZOATE	< 5%	1571-08-0 216-385-5	-	-	
<b>Classification:</b>		<b>DSD:</b> -			
		<b>CLP:</b> -			
P-TOLUIC ACID	< 5%	99-94-5 202-803-3	-	-	
<b>Classification:</b>		<b>DSD:</b> Xn;R22			
		<b>CLP:</b> Acute Tox. 4;H302			
P-TOLUALDEHYDE	< 1%	104-87-0 203-246-9	-	-	
<b>Classification:</b>		<b>DSD:</b> Xn;R22, Xi;R36			
		<b>CLP:</b> Acute Tox. 4;H302, Eye Irrit. 2;H319			

## SECTION 4: First aid measures

#### General information

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

#### 4.1. Description of first aid measures

<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If the affected person is not breathing, apply artificial respiration. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If breathing is difficult, give oxygen. Call a physician or Poison Control Centre immediately.
<b>Skin contact</b>	Wash off immediately with plenty of water for at least 15 minutes. For minor skin contact, avoid spreading material on unaffected skin. Wash clothing separately before reuse. Get medical attention.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists get medical attention.
<b>Ingestion</b>	Have victim rinse mouth thoroughly with water. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth to a victim who is unconscious or is having convulsions. If swallowed, do NOT induce vomiting. Call a physician.

**4.2. Most important symptoms and effects, both acute and delayed**

Eyes:  
Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Skin:  
Symptoms may include redness, drying of skin, itching and pain.

Inhalation:  
Inhalation of vapors/fumes causes respiratory irritation with throat discomfort, coughing or difficulty breathing.

Treat symptomatically.

**4.3. Indication of any immediate medical attention and special treatment needed**

**SECTION 5: Firefighting measures**

**General fire hazards** Irritating and toxic gases or fumes may be released during a fire.

**5.1. Extinguishing media**

**Suitable extinguishing media** Dry chemical, CO<sub>2</sub>, water spray or regular foam.

**Unsuitable extinguishing media** Do not use a solid water stream as it may scatter and spread fire.

**5.2. Special hazards arising from the substance or mixture** Fire may produce irritating, corrosive and/or toxic gases.

**5.3. Advice for firefighters**

**Special protective equipment for firefighters** Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. Structural firefighters protective clothing will only provide limited protection.

**Special fire fighting procedures** In the event of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do it without risk. In the event of fire, cool tanks with water spray.

**SECTION 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

**For non-emergency personnel** Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unnecessary personnel away. Ensure adequate ventilation. Do not touch or walk through spilled material.

**For emergency responders** Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Local authorities should be advised if significant spillages cannot be contained. Wear appropriate personal protective equipment.

**6.2. Environmental precautions** Do not flush into surface water or sanitary sewer system.

**6.3. Methods and material for containment and cleaning up** Stop leak if you can do so without risk. Dike the spilled material, where this is possible.

Large Spills: Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Keep in suitable, closed containers for disposal. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean contaminated surface thoroughly.

**6.4. Reference to other sections** Not available.

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling** Avoid breathing vapors from this product. Avoid contact with skin, eyes and clothing. Wash hands after handling and before eating.  
Do not enter storage area unless adequately ventilated.

**7.2. Conditions for safe storage, including any incompatibilities** Keep containers tightly closed in a dry, cool and well-ventilated place.

**7.3. Specific end use(s)** Not established.

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**Occupational exposure limits**

**Bulgaria. OELs. Regulation No 13 on protection of workers against risks of exposure to chemical agents at work**

Components	Type	Value
DIMETHYL TEREPHTHALATE (CAS 120-61-6)	TWA	1 mg/m <sup>3</sup>

**Latvia. OELs. Occupational exposure limit values of chemical substances in work environment**

Components	Type	Value
DIMETHYL TEREPHTHALATE (CAS 120-61-6)	TWA	0,1 mg/m <sup>3</sup>

**Romania. OELs. Protection of workers from exposure to chemical agents at the workplace**

Components	Type	Value
DIMETHYL TEREPHTHALATE (CAS 120-61-6)	STEL	30 mg/m <sup>3</sup>
	TWA	2 mg/m <sup>3</sup>

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Recommended monitoring procedures** Not available.

**Derived no-effect level (DNEL)** Not available.

**Predicted no effect concentrations (PNECs)** Not available.

**8.2. Exposure controls**

**Appropriate engineering controls** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Attempts should be made to eliminate all contact with skin and eyes, and to limit inhalation exposure.

**Individual protection measures, such as personal protective equipment**

**General information** Wear suitable protective equipment.

**Eye/face protection** Wear chemical goggles.

**Skin protection**

- **Hand protection** Wear protective gloves.

- **Other** Wear appropriate chemical resistant clothing.

**Respiratory protection** Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.

**Thermal hazards** None known.

**Hygiene measures** Wash hands before breaks and immediately after handling the product. Use good industrial hygiene practices in handling this material. When using, do not eat, drink or smoke.

**Environmental exposure controls** Should not be released into the environment.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

<b>Appearance</b>	Liquid.
<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>Colour</b>	light yellow
<b>Odour</b>	Sweet.
<b>Odour threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point</b>	Not available.
<b>Boiling point</b>	Not available.
<b>Flash point</b>	94 °C (201 °F)
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Vapour pressure</b>	Not available.
<b>Vapour density</b>	Not available.
<b>Relative density</b>	Not available.

<b>Solubility(ies)</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Explosive properties</b>	Not available.
<b>Oxidizing properties</b>	Not available.
<b>9.2. Other information</b>	No relevant additional information available.

## SECTION 10: Stability and reactivity

<b>10.1. Reactivity</b>	None known.
<b>10.2. Chemical stability</b>	Stable under normal conditions.
<b>10.3. Possibility of hazardous reactions</b>	Not expected to occur.
<b>10.4. Conditions to avoid</b>	Heat, flames and sparks. Avoid high temperatures.
<b>10.5. Incompatible materials</b>	Incompatible with strong bases and oxidizing agents.
<b>10.6. Hazardous decomposition products</b>	Irritating and/or toxic fumes and gases may be emitted upon the products decomposition. Possible decomposition product in case of hydrolysis is methanol.

## SECTION 11: Toxicological information

**General information** The product itself has not been tested. Information given is based on data on the components and the toxicology of similar products.

### Information on likely routes of exposure

<b>Ingestion</b>	Based on available data, the classification criteria are not met.
<b>Inhalation</b>	May cause irritation to the respiratory system.
<b>Skin contact</b>	Causes skin irritation.
<b>Eye contact</b>	Causes eye irritation.

**Symptoms** Skin:  
Symptoms may include redness, drying of skin, itching and pain.

Eyes:  
Symptoms include itching, burning, redness and tearing.

Inhalation:  
Inhalation of vapors/fumes causes respiratory irritation with throat discomfort, coughing or difficulty breathing.

### 11.1. Information on toxicological effects

Components	Species	Test results
METHYL BENZOATE (CAS 93-58-3)		
<b>Acute</b>		
<i>Oral</i>		
LD50	Rat	3200 mg/kg
METHYL P-TOLUATE (CAS 99-75-2)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	> 5000 mg/kg
<i>Oral</i>		
LD50	Rat	3300 mg/kg
P-TOLUIC ACID (CAS 99-94-5)		
<b>Acute</b>		
<i>Oral</i>		
LD50	Mouse	2340 mg/kg
<b>Skin corrosion/irritation</b>	Contact with skin may cause irritation.	
<b>Serious eye damage/eye irritation</b>	Causes serious eye irritation.	
<b>Respiratory sensitisation</b>	Due to lack of data the classification is not possible.	

<b>Skin sensitisation</b>	Based on available data, the classification criteria are not met.
<b>Germ cell mutagenicity</b>	Due to lack of data the classification is not possible.
<b>Carcinogenicity</b>	Due to lack of data the classification is not possible.
<b>Reproductive toxicity</b>	Due to lack of data the classification is not possible.
<b>Specific target organ toxicity - single exposure</b>	Respiratory tract irritation.
<b>Specific target organ toxicity - repeated exposure</b>	Due to lack of data the classification is not possible.
<b>Aspiration hazard</b>	Due to lack of data the classification is not possible.
<b>Mixture versus substance information</b>	Not available.
<b>Other information</b>	Not available.

## SECTION 12: Ecological information

### 12.1. Toxicity

Components		Species	Test results	
DIMETHYL TEREPHTHALATE (CAS 120-61-6)	LC50	Brachydanio rerio	18,8 mg/l, 48 Hours, Static	
			13 mg/l, 96 Hours, Semi-static	
	Algae	EC50	Algae	27,6 mg/l, 72 Hours
	Crustacea	EC50	Daphnia	30,4 mg/l, 48 Hours
METHYL BENZOATE (CAS 93-58-3)	LC50	Danio rerio	35 mg/l, 96 hr	

**12.2. Persistence and degradability** Information given is based on data on the components and the ecotoxicology of similar products.

**12.3. Bioaccumulative potential** Based on the physical properties of this product, significant environmental persistence and bioaccumulation would not be expected.

#### Partition coefficient

##### n-octanol/water (log Kow)

DIMETHYL TEREPHTHALATE	2,25
METHYL BENZOATE	2,12

**Bioconcentration factor (BCF)** Not available.

**12.4. Mobility in soil** Not available.

**12.5. Results of PBT and vPvB assessment** Not a PBT or vPvB substance or mixture.

#### assessment

**12.6. Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**Residual waste** Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging** Do not re-use empty containers. Can be offered for recycling, re-conditioning or puncture.

**EU waste code** Waste codes should be assigned by the user based on the application for which the product was used.

**Disposal methods/information** Dispose in accordance with all applicable regulations. Do not dispose of waste into sewer.

## SECTION 14: Transport information

### ADR

Not regulated as dangerous goods.

### RID

Not regulated as dangerous goods.

### ADN

Not regulated as dangerous goods.

### IATA

Not regulated as dangerous goods.

## IMDG

Not regulated as dangerous goods.

## SECTION 15: Regulatory information

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

#### EU regulations

**Regulation (EC) No. 2037/2000 on substances that deplete the ozone layer, Annex II**

Not listed.

**Regulation (EC) No. 850/2004 on persistent organic pollutants, Annex I**

Not listed.

**Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1**

Not listed.

**Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2**

Not listed.

**Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3**

Not listed.

**Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V**

Not listed.

**Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry**

Not listed.

**Regulation (EC) No. 1907/2006, Article 59(1). Candidate List**

Not listed.

#### Authorisations

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

Not listed.

#### Restrictions on use

**Regulation (EC) No. 1907/2006 Annex XVII Substances subject to restriction on marketing and use**

Not regulated.

**Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work**

Not listed.

**Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding**

Not listed.

#### Other EU regulations

**Directive 96/82/EC (Seveso II) on the control of major-accident hazards involving dangerous substances**

Not listed.

**Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work**

Not listed.

**Directive 94/33/EC on the protection of young people at work**

Not listed.

**National regulations** Not available.

#### Germany

**Water Hazard Class** WGK2

**15.2. Chemical safety assessment** Not available.

## SECTION 16: Other information

**List of abbreviations** Not available.

**References** Not available.

**Information on evaluation method leading to the classification of mixture** Not available.

**Full text of any statements or R-phrases and H-statements under Sections 2 to 15**

R22 Harmful if swallowed.

R36 Irritating to eyes.

R36/37/38 Irritating to eyes, respiratory system and skin.

H302 Harmful if swallowed.

H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.

**Revision information**

This document has undergone significant changes and should be reviewed in its entirety.

**Training information**

Not available.

**Issued by**

INVISTA Product Safety

**Disclaimer**

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