

## 1. Identification of the substance/preparation and company/undertaking

### 1.1 Identification of the substance or preparation

**Product name** Sintolin TLM/X

**SDS no.** 463111

**1.2 Use of the substance/preparation** Metalworking fluid - soluble.  
For specific application advice see appropriate Technical Data Sheet or consult our company representative.

### 1.3 Company/undertaking identification

**Supplier** BP Petrolleri A.Ş.  
Sarı Kanarya Sokak No:14 K2 Plaza  
34742 Kozyatağı, İstanbul  
TURKEY

Telephone: 0216 5712800

Fax: 0216 5712950

**E-mail address** MSDSadvise@bp.com

### 1.4 Emergency telephone number

**EMERGENCY TELEPHONE NUMBER** CASTROL DIRECT 0212 473 77 37  
Carechem: +44 (0) 208 762 8322 (24 hours)

## 2. Composition/information on ingredients

### Substance/preparation

Corrosion inhibitors and additives in aqueous solution.

Chemical name	CAS no.	%	EINECS / ELINCS.	Classification
Amine neutralised carboxylic acids	Not available.	5 - 10		Xi; R36/38 [1]
Ethanolamine; 2-Aminoethanol	141-43-5	5 - 10	205-483-3	Xn; R20/21/22 [1] [2] C; R34
Fatty acid alkanolamide	68604-35-3	5 - 10	271-686-9	Xi; R41, R38 [1]
Fatty acid alkanolamide	94247-01-5	1 - 5	304-176-2	Xi; R41, R38 [1]
2-(2-butoxyethoxy)ethanol	112-34-5	1 - 5	203-961-6	Xi; R36 [1] [2]
Diethanolamine; 2,2'-Iminodiethanol	111-42-2	1 - 5	203-868-0	Xn; R22, R48/22 [1] Xi; R41, R38

See section 16 for the full text of the R-phrases declared above

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] PBT-substance

[4] vPvB-substance

Occupational exposure limits, if available, are listed in section 8.

## 3. Hazards identification

This preparation is classified as dangerous according to Directive 1999/45/EC as amended and adapted.

**Human health hazards** Risk of serious damage to eyes. Irritating to respiratory system and skin.

**Additional hazards** Not classified as dangerous when diluted below 30%.

See sections 11 and 12 for more detailed information on health effects and symptoms and environmental hazards.

## 4. First-aid measures

**Eye contact** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

**Skin contact** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.

**Inhalation** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Conforms to the regulation on preparation and distribution of safety data sheets on hazardous materials and preparations 26.12.2008 – 27092.

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<b>Ingestion</b>	Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Wash out mouth with water if person is conscious. If potentially dangerous quantities of this material have been swallowed, call a physician immediately.
<b>Notes to physician</b>	Treatment should in general be symptomatic and directed to relieving any effects.

## 5 . Fire-fighting measures

<b>Extinguishing media</b>	
<b>Suitable</b>	In case of fire, use water fog, foam, dry chemical or carbon dioxide extinguisher or spray.
<b>Not suitable</b>	Do not use water jet.
<b>Hazardous decomposition products</b>	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides
<b>Unusual fire/explosion hazards</b>	This material is not explosive as defined by established regulatory criteria.
<b>Special fire-fighting procedures</b>	None identified.
<b>Protection of fire-fighters</b>	Fire-fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

## 6 . Accidental release measures

<b>Personal precautions</b>	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. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).
<b>Environmental precautions</b>	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).
<b>Large spill</b>	Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. Note: see section 1 for emergency contact information and section 13 for waste disposal.
<b>Small spill</b>	Stop leak if without risk. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

## 7 . Handling and storage

<b>7.1 Handling</b>	Do not get in eyes. Avoid contact with skin and clothing. Avoid breathing vapour or mist. Use only with adequate ventilation. Wash thoroughly after handling.
<b>7.2 Storage</b>	Keep container tightly closed. Keep container in a cool, well-ventilated area. Protect from freezing.
<b>7.3 Specific uses</b>	For specific application advice see appropriate Technical Data Sheet or consult our company representative.

## 8 . Exposure controls/personal protection

<b>8.1 Occupational exposure limits</b>	
<b>Ingredient name</b>	<b>Occupational exposure limits</b>
Ethanolamine; 2-Aminoethanol	<b>TR ISGGM OEL (Turkey). Absorbed through skin.</b> TWA: 2.5 mg/m <sup>3</sup> 8 hour(s). Issued/Revised: 3/2008 TWA: 1 ppm 8 hour(s). Issued/Revised: 3/2008 STEL: 7.6 mg/m <sup>3</sup> 15 minute(s). Issued/Revised: 3/2008 STEL: 3 ppm 15 minute(s). Issued/Revised: 3/2008
2-(2-butoxyethoxy)ethanol	<b>TR ISGGM OEL (Turkey).</b> TWA: 67.5 mg/m <sup>3</sup> 8 hour(s). Issued/Revised: 3/2008 TWA: 10 ppm 8 hour(s). Issued/Revised: 3/2008 STEL: 101.2 mg/m <sup>3</sup> 15 minute(s). Issued/Revised: 3/2008 STEL: 15 ppm 15 minute(s). Issued/Revised: 3/2008
Diethanolamine; 2,2'-Iminodiethanol	<b>NIOSH REL (United States).</b> TWA: 15 mg/m <sup>3</sup> 10 hour(s). Issued/Revised: 6/1994 TWA: 3 ppm 10 hour(s). Issued/Revised: 6/1994
<b>ACGIH TLVs</b>	

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Ethanolamine; 2-Aminoethanol

**ACGIH TLV (United States).**

STEL: 15 mg/m<sup>3</sup> 15 minute(s). Issued/Revised: 9/1994

STEL: 6 ppm 15 minute(s). Issued/Revised: 9/1994

TWA: 7.5 mg/m<sup>3</sup> 8 hour(s). Issued/Revised: 9/1994

TWA: 3 ppm 8 hour(s). Issued/Revised: 9/1994

Triethanolamine

**ACGIH TLV (United States).**

TWA: 5 mg/m<sup>3</sup> 8 hour(s). Issued/Revised: 9/1994

Diethanolamine; 2,2'-Iminodiethanol

**ACGIH TLV (United States). Absorbed through skin.**

TWA: 1 mg/m<sup>3</sup> 8 hour(s). Issued/Revised: 11/2008 Form: Inhalable fraction and vapor

For information and guidance, the ACGIH values are included. For further information on these please consult your supplier.

Whilst specific OELs for certain components may be shown in this section, other components may be present in any mist, vapour or dust produced. Therefore, the specific OELs may not be applicable to the product as a whole and are provided for guidance only.

## 8.2 Exposure controls

### 8.2.1 Occupational exposure controls

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective occupational exposure limits. Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

#### 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.

#### 8.2.1.1 Respiratory protection

Use only with adequate ventilation.

In case of insufficient ventilation, wear suitable respiratory equipment.

Recommended: half-face mask - organic vapour filter (Type A) - particulate filter.

The correct choice of respiratory protection depends upon the chemicals being handled, the conditions of work and use, and the condition of the respiratory equipment. Safety procedures should be developed for each intended application. Respiratory protection equipment should therefore be chosen in consultation with the supplier/manufacturer and with a full assessment of the working conditions.

#### 8.2.1.2 Hand protection

Wear suitable gloves. Chemical-resistant gloves. Recommended: nitrile gloves

The correct choice of protective gloves depends upon the chemicals being handled, the conditions of work and use, and the condition of the gloves (even the best chemically resistant glove will break down after repeated chemical exposures). Most gloves provide only a short time of protection before they must be discarded and replaced. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. Gloves should therefore be chosen in consultation with the supplier/manufacturer and with a full assessment of the working conditions.

#### 8.2.1.3 Eye protection

Do not get in eyes. Chemical splash goggles.

#### 8.2.1.4 Skin protection

Avoid contact with skin and clothing. Wear suitable protective clothing.

### 8.2.2 Environmental exposure controls

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective occupational exposure limits. Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

## 9. Physical and chemical properties

### 9.1 General information

#### 9.1.1 Appearance

Physical state Liquid.

Colour Yellow.

9.1.2 Odour Mild

### 9.2 Important health, safety and environmental information

Flash point Closed cup: >100°C (>212°F)

pH 10 [Conc. (% w/w): 3%]

Boiling point / range >100°C (>212°F)

Pour point <0 °C

Density >1000 kg/m<sup>3</sup> (>1 g/cm<sup>3</sup>) at 20°C

Solubility Soluble in water.

9.3 Other information Not available.

## 10. Stability and reactivity

Stability The product is stable.

10.1 Conditions to avoid High temperatures

Possibility of hazardous reactions Under normal conditions of storage and use, hazardous reactions will not occur.

10.2 Materials to avoid Reactive or incompatible with the following materials: oxidizing materials.  
Slightly reactive or incompatible with the following materials: acids.

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### 10.3 Hazardous decomposition products

Combustion products may include the following:  
carbon oxides  
nitrogen oxides

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11 . Toxicological information

### Chronic toxicity

**Chronic effects** No known significant effects or critical hazards.

### Effects and symptoms

**Eyes** Causes severe eye irritation.

**Skin** Causes skin irritation. Prolonged or repeated contact can defat the skin and lead to irritation and/or dermatitis.

**Inhalation** Causes respiratory tract irritation.

**Ingestion** Ingestion may cause gastrointestinal irritation and diarrhoea.

## 12 . Ecological information

### 12.1 Ecotoxicity

**Environmental hazards** Not classified as dangerous.

**12.2 Mobility** Liquid. Soluble in water.

**12.3 Persistence/degradability** Inherently biodegradable

**12.4 Bioaccumulative potential** Not available.

**12.5 Other ecological information** Not available.

## 13 . Disposal considerations

### Disposal considerations / Waste information

The generation of waste should be avoided or minimised wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. 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. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

**Refer to all national, regional, and local regulations for disposal requirements**

## 14 . Transport information

Not classified as hazardous for transport (ADR/RID, ADN, IMDG, ICAO/IATA)

## 15 . Regulatory information

Classification and labelling have been performed according to EU directive 1999/45/EC as amended and adapted and Regulation on classification, packaging and labelling of Hazardous materials and preparations 26.12.2008-27092

### Label requirements

#### Hazard symbol or symbols



Irritant

#### Indication of danger

**Risk phrases** R41- Risk of serious damage to eyes.  
R37/38- Irritating to respiratory system and skin.

**Safety phrases** S23- Do not breathe vapour or spray.  
S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S28- After contact with skin, wash immediately with plenty of soap and water.  
S36/37/39- Wear suitable protective clothing, gloves and eye/face protection.  
S51- Use only in well-ventilated areas.

### Other regulations

**Europe inventory** All components are listed or exempted.

**United States inventory (TSCA 8b)** At least one component is not listed.

**Australia inventory (AICS)** At least one component is not listed.

**Canada inventory** At least one component is not listed.

**China inventory (IECSC)** Not determined.

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Japan inventory (ENCS)	At least one component is not listed.
Korea inventory (KECI)	At least one component is not listed.
Philippines inventory (PICCS)	At least one component is not listed.

Additional information

16 . Other information

Full text of R-phrases referred to in sections 2 and 3	R22- Harmful if swallowed. R20/21/22- Harmful by inhalation, in contact with skin and if swallowed. R48/22- Harmful: danger of serious damage to health by prolonged exposure if swallowed. R34- Causes burns. R41- Risk of serious damage to eyes. R36- Irritating to eyes. R38- Irritating to skin. R36/38- Irritating to eyes and skin. R37/38- Irritating to respiratory system and skin.
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History

Date of issue/ Date of revision01/12/2009.

Date of previous issueNo previous validation

Prepared byProduct Stewardship

Notice to reader

▣ Indicates information that has changed from previously issued version.

All reasonably practicable steps have been taken to ensure this data sheet and the health, safety and environmental information contained in it is accurate as of the date specified below. No warranty or representation, express or implied is made as to the accuracy or completeness of the data and information in this data sheet.

The data and advice given apply when the product is sold for the stated application or applications. You should not use the product other than for the stated application or applications without seeking advice from us.

It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. The BP Group shall not be responsible for any damage or injury resulting from use, other than the stated product use of the material, from any failure to adhere to recommendations, or from any hazards inherent in the nature of the material. Purchasers of the product for supply to a third party for use at work, have a duty to take all necessary steps to ensure that any person handling or using the product is provided with the information in this sheet. Employers have a duty to tell employees and others who may be affected of any hazards described in this sheet and of any precautions that should be taken.

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