



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

<b>Product name</b>	<b>Transclean 801</b>
<b>SDS no.</b>	02666
<b>Use of the substance/preparation</b>	Detergent Heat-Transfer System Cleaner. For specific application advice see appropriate Technical Data Sheet or consult our company representative.
<b>Supplier</b>	BP France Immeuble LE CERVIER 12, Avenue des Béguines Cergy Saint Christophe 95866 CERGY PONTOISE Cedex Tel 0 (1) 34 22 40 00
<b>EMERGENCY TELEPHONE NUMBER</b>	Tél 01 45 42 59 59 : ORFILA Tél 01 40 05 48 48 - Centre Anti-Poisons Hôpital Fernand Widal - 200, Rue de Faubourg Saint-Denis - 75475 Paris Cedex 10 Tél 04 72 11 69 11 - Centre Anti-Poisons de Lyon, Hôpital Edouard Herriot, 5, Place d'Arsonval - 69437 Lyon Cedex 3 Tél 04 91 75 25 25 - Centre Anti-Poisons de Marseille, Hôpital Salvador, 249, Boulevard Sainte-Marguerite - 13274 Marseille Cedex 9  Tél: 01 30 30 49 99 / 01 30 73 13 15 - Permanence BP France 24/24
<b>E-mail address</b>	Carechem: +44 (0) 208 762 8322 MSDSadvice@bp.com

## 2. Hazards identification

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

<b>Human health hazards</b>	Harmful if swallowed. -
<b>Environmental hazards</b>	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. -

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

## 3. Composition/information on ingredients

Highly refined base oil (IP 346 DMSO extract < 3%). Proprietary performance additives.

Chemical name -	CAS no.	%	EINECS / ELINCS.	Classification
Barium long chain alkaryl sulphonate	Proprietary	50 - 100		Xn; R22
Alkyl phenol sulphide	Proprietary	1 - 5		Xi; R38
nonylphenol	25154-52-3	0.1 - 1	246-672-0	Repr. Cat. 3; R62, R63 Xn; R22 C; R34 N; R50/53

See section 16 for the full text of the R-phrases declared above  
Occupational exposure limits, if available, are listed in section 8.

## 4. First-aid measures

<b>Eye contact -</b>	Cold product - Wash eye thoroughly with copious quantities of water, ensuring eyelids are held open. Obtain medical advice if any pain or redness develops or persists. Hot product - Flood with water to dissipate heat. In the event of any product remaining, do not try to remove it other than by continued irrigation with water. Obtain medical attention immediately.
<b>Skin contact -</b>	Cold Product - Wash contaminated skin with soap and water. Remove contaminated clothing and wash underlying skin as soon as reasonably practicable. Hot Product - Flood skin with cold water to dissipate heat, cover with clean cotton or gauze, obtain medical advice immediately.
<b>Inhalation -</b>	If inhaled, remove to fresh air. Get medical attention if symptoms appear.
<b>Ingestion -</b>	Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. 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.

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## 5 . Fire-fighting measures

### Extinguishing media

#### Suitable

In case of fire, use foam, dry chemical or carbon dioxide extinguisher or spray.

#### Not suitable

Do not use water jet.

### Hazardous decomposition products

Decomposition products may include the following materials:  
carbon oxides

### Unusual fire/explosion hazards

None identified.

### Special fire-fighting procedures

None identified.

### Protection of fire-fighters

Fire-fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

### Fire hazards in the presence of various substances

Oil soaked lagging may spontaneously ignite and should be replaced by fresh lagging as soon as possible.

During use heat transfer oils may be thermally degraded leading to the formation of volatile hydrocarbons with flash points considerably lower than the original product. It is therefore essential that the system is not drained while hot unless an inert gas system is used to displace flammable gaseous residues.

Adequate ventilation is essential during draining operations as hot oil will fume.

The temperature at which spent product is drained is a compromise between the need to have the oil sufficiently hot to facilitate drainage, the need to avoid fuming and the dangers of fire from degraded oil with a low flash point. It is recommended therefore that spent oil is drained at a temperature of less than 100°C.

During system filling and venting, care should be taken to ensure that hot oil is not pumped through the expansion tank. A failure to prevent this could, under certain conditions, lead to the creation of a flammable atmosphere in the expansion tank. As the expansion tank is being filled it is essential that the gases and vapours formed should be free to vent to an open atmosphere where they can quickly disperse.

Product contaminated rags, paper or material used to absorb spillages, represent a fire hazard, and should not be allowed to accumulate. Dispose of safely immediately after use.

## 6 . Accidental release measures

### Personal precautions

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).

### Environmental precautions

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). Water polluting material.

### Large spill

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. 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.

### Small spill

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

### Handling

Do not ingest. Avoid contact of spilt material and runoff with soil and surface waterways. Wash thoroughly after handling.

### Storage

Keep container tightly closed. Keep container in a cool, well-ventilated area.

## 8 . Exposure controls/personal protection

### Ingredient name

Base oil - unspecified

### Occupational exposure limits

#### INRS (France).

VLE: 10 mg/m<sup>3</sup> 15 minute(s). Form: Oil mist, mineral

VME: 5 mg/m<sup>3</sup> 8 hour(s). Form: Oil mist, mineral

### ACGIH TLVs

Base oil - unspecified

#### ACGIH (United States).

STEL: 10 mg/m<sup>3</sup> 15 minute(s). Form: Oil mist, mineral

TWA: 5 mg/m<sup>3</sup> 8 hour(s). Form: Oil mist, mineral

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. -

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## Occupational exposure controls

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective occupational exposure limits.

All chemicals should be assessed for their risks to health and appropriate control measures put in place to prevent or adequately control exposure. A hierarchy of control measures exists (e.g. elimination, substitution, general ventilation, containment, systems of work, changing the process or activity) that must be considered before use of personal protective equipment. Personal protective equipment should conform to appropriate standards, be suitable for use, be kept in good condition and properly maintained. Your supplier of personal protective equipment should be consulted for advice on selection and appropriate standards. For further information contact your national organisation for standards.

The final choice of protective equipment will depend upon a risk assessment. It is important to ensure that all items of personal protective equipment are compatible.

## 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.

## Personal protective equipment

### Respiratory protection

Respiratory protective equipment is not normally required where there is adequate natural or local exhaust ventilation to control exposure.

In case of insufficient ventilation, wear suitable respiratory equipment.

Respiratory protective equipment must be checked to ensure it fits correctly each time it is worn.

Approved air-supplied breathing apparatus must be worn where there is a risk of exceeding the exposure limit of carbon monoxide.

Approved air-supplied breathing apparatus must be worn where there is a risk of exposure to hazardous combustion and thermal decomposition products..

Entry into a confined space or poorly ventilated area contaminated with vapour, mist or fume is extremely hazardous without the correct respiratory protective equipment and a safe system of work..

Air-filtering respirators, also called air-purifying respirators, will not be adequate under conditions of oxygen deficiency (i.e. low oxygen concentration), and would not be considered suitable where airborne concentrations of chemicals with a significant hazard are present. In these cases air-supplied breathing apparatus will be required.

Provided an air-filtering/air-purifying respirator is suitable, a filter for particulates can be used for mist or fume. Use filter type P or comparable standard. A combination filter for particles and organic gases and vapours (boiling point >65°C) may be required if vapour or abnormal odour is also present due to high product temperature. Use filter type AP or comparable standard.

### Hand protection

Cold material: Wear chemical resistant gloves. Recommended: nitrile gloves.

Hot material: to prevent thermal burns wear heat resistant and impervious gauntlets/gloves.

Protective gloves will deteriorate over time due to physical and chemical damage. Inspect and replace gloves on a regular basis. The frequency of replacement will depend upon the circumstances of use.

### Eye protection

Cold material: wear safety glasses with side shields.

Hot material: to prevent thermal burns wear a helmet, full face visor and heat resistant neck flap / apron.

### Skin and body

Wear impervious overalls covering full body and limbs, with legs worn over protective boots.

Cotton or polyester/cotton overalls will only provide protection against light superficial contamination that will not soak through to the skin. Overalls should be laundered on a regular basis. When the risk of skin exposure is high (e.g. when cleaning up spillages or if there is a risk of splashing) then chemical resistant aprons and/or impervious chemical suits and boots will be required.

Thermal resistant clothing will be required when handling hot products.

## 9 . Physical and chemical properties

### General information

#### Appearance

Physical state

Liquid.

Colour

Brown.

Odour

Oily.

### Important health, safety and environmental information

Flash point

Open cup: >170°C (>338°F) [Cleveland.]

Viscosity

Kinematic: 255 mm<sup>2</sup>/s (255 cSt) at 40°C

Density

85 kg/m<sup>3</sup> (0.985 g/cm<sup>3</sup>) at 15°C

Solubility

Insoluble in water.

Partition coefficient (LogKow)

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## 10 . Stability and reactivity

<b>Stability</b>	<input checked="" type="checkbox"/> The product is stable. Under normal conditions of storage and use, hazardous polymerisation will not occur.
<b>Conditions to avoid</b>	<input checked="" type="checkbox"/> No specific data.
<b>Materials to avoid</b>	<input checked="" type="checkbox"/> Reactive or incompatible with the following materials: oxidizing materials.
<b>Hazardous decomposition products</b>	<input checked="" type="checkbox"/> Combustion products may include the following: carbon oxides <input checked="" type="checkbox"/> Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11 . Toxicological information

<b>Acute toxicity</b>	<input checked="" type="checkbox"/> Unlikely to cause more than transient stinging or redness if accidental eye contact occurs. Will cause burns if hot material contacts eyes.  Unlikely to cause harm to the skin on brief or occasional contact but prolonged or repeated exposure may lead to dermatitis. Will cause burns if hot material contacts skin.  Harmful if swallowed.  At normal ambient temperatures this product will be unlikely to present an inhalation hazard because of its low volatility. May be harmful by inhalation if exposure to vapour, mists or fumes resulting from thermal decomposition products occurs.
<b>Chronic toxicity</b>	
<b>Chronic effects</b>	<input checked="" type="checkbox"/> No known significant effects or critical hazards.
<b>Effects and symptoms</b>	
<b>Eyes</b>	No significant health hazards identified.
<b>Skin</b>	No significant health hazards identified.
<b>Inhalation</b>	No significant health hazards identified.
<b>Ingestion</b>	<input checked="" type="checkbox"/> Harmful if swallowed.

## 12 . Ecological information

<b>Persistence/degradability</b>	<input checked="" type="checkbox"/> Inherently biodegradable -
<b>Mobility</b>	<input checked="" type="checkbox"/> Spillages may penetrate the soil causing ground water contamination. -
<b>Bioaccumulative potential</b>	<input checked="" type="checkbox"/> This product is not expected to bioaccumulate through food chains in the environment. -
<b>Environmental hazards</b>	<input checked="" type="checkbox"/> Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. -
<b>Other ecological information</b>	<input checked="" type="checkbox"/> Spills may form a film on water surfaces causing physical damage to organisms. Oxygen transfer could - also be impaired. -

## 13 . Disposal considerations

<b>Disposal considerations / - Waste information -</b>	<input checked="" type="checkbox"/> The generation of waste should be avoided or minimised wherever possible. 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.
<b>Unused product</b>	
<b>European waste catalogue (EWC)</b>	<input checked="" type="checkbox"/> 02 05* mineral-based non-chlorinated engine, gear and lubricating oils  However, deviation from the intended use and/or the presence of any potential contaminants may require an alternative waste disposal code to be assigned by the end user.

## 14 . Transport information

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

## 15 . Regulatory information

Classification and labelling have been performed according to EU directives 1999/45/EC and 67/548/EEC as amended and adapted.

### Label requirements

**Hazard symbol or symbols**  
**Indication of danger**



### Risk phrases

R22- Harmful if swallowed.  
 R52/53- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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<b>Safety phrases</b>	<input checked="" type="checkbox"/> H46- If swallowed, seek medical advice immediately and show this container or label. S61- Avoid release to the environment. Refer to special instructions/safety data sheet.
<b>Contains</b>	<input checked="" type="checkbox"/> Barium long chain alkaryl sulphonate
<b>Other regulations</b>	
<b>Inventories</b>	<input checked="" type="checkbox"/> <b>Europe inventory:</b> All components are listed or exempted. <input checked="" type="checkbox"/> <b>United States inventory (TSCA 8b):</b> All components are listed or exempted. - <input checked="" type="checkbox"/> <b>Australia inventory (AICS):</b> All components are listed or exempted. - <input checked="" type="checkbox"/> <b>Canada inventory:</b> All components are listed or exempted. - <input checked="" type="checkbox"/> <b>China inventory (IECSC):</b> All components are listed or exempted. - <input checked="" type="checkbox"/> <b>Japan inventory (ENCS):</b> All components are listed or exempted. - <input checked="" type="checkbox"/> <b>Korea inventory (KECI):</b> All components are listed or exempted. - <input checked="" type="checkbox"/> <b>Philippines inventory (PICCS):</b> At least one component is not listed. -
<b>Social Security Code, Articles L 461-1 to L 461-7</b>	<input checked="" type="checkbox"/> Sécurité sociale : tableau 36
<b>Medical surveillance</b>	<input checked="" type="checkbox"/> Not classified.

## 16 . Other information

<b>Full text of R-phrases referred to in sections 2 and 3</b>	<input checked="" type="checkbox"/> R62- Possible risk of impaired fertility. R63- Possible risk of harm to the unborn child. R22- Harmful if swallowed. R34- Causes burns. R38- Irritating to skin. R50/53- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R52/53- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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<b>History</b>	
<b>Date of issue</b>	06/05/2008.
<b>Date of previous issue</b>	03/08/2004.
<b>Prepared by</b>	Product Stewardship Group
<b>Notice to reader</b>	

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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