

**Safety Data Sheet**

---

**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1 Product Identifier**

**Material Name** : ShellSol D70  
**Product Code** : Q7712  
**REACH Registration No.** : 01-2119456620-43-0002

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

**Product use** : Please refer to Ch16 for the registered uses under REACH.

**1.3 Details of the Supplier of the safety data sheet**

**Manufacturer/Supplier** : Shell Chemicals Europe B.V.  
PO Box 2334  
3000 CH Rotterdam  
Netherlands

**Telephone** : +31 (0)10 441 5137 / +31 (0)10 441 5191  
**Fax** : +31 (0)20 716 8316 / +31 (0)20 713 9230  
**Email contact for MSDS** : sccmsds@shell.com

**1.4 Emergency Telephone Number**

: +44 (0) 1235 239 670

**Other Information** : ShellSol is a trademark owned by Shell Trademark Management B.V. and Shell Brands Inc. and used by affiliates of Royal Dutch Shell plc.

---

**2. HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture**

<b>Regulation (EC) No 1272/2008 (CLP)</b>	
<b>Hazard Class &amp; Category</b>	<b>Hazard statement</b>
Aspiration hazard, Category 1	H304
Supplemental Hazard Information:	EUH066

<b>67/548/EEC or 1999/45/EC</b>	
<b>Hazard characteristics</b>	<b>R-phrase(s)</b>
Harmful.	R65, R66

**2.2 Label Elements**

**Safety Data Sheet**

Label Name : Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics  
EC Number : 926-141-6  
EC Annex I Number : 649-422-00-2

**Labeling according to Regulation (EC) No 1272/2008**

Symbol(s) :



Signal Words : Danger

CLP Hazard statements : PHYSICAL HAZARDS:  
Not classified as a physical hazard under CLP criteria.  
HEALTH HAZARDS:  
H304: May be fatal if swallowed and enters airways.  
EUH066: Repeated exposure may cause skin dryness or cracking.  
ENVIRONMENTAL HAZARDS:  
Not classified as environmental hazard according to CLP criteria.

**CLP Precautionary statements**

Response : P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
P331: Do NOT induce vomiting.

Storage : P405: Store locked up.

Disposal : P501: Dispose of contents and container to appropriate waste site or reclaimer in accordance with local and national regulations.

**Labeling according to Directive 1999/45/EC**

EC Symbols : Xn Harmful.

EC Classification : Harmful.  
EC Risk Phrases : R65 Harmful: may cause lung damage if swallowed.  
R66 Repeated exposure may cause skin dryness or cracking.  
EC Safety Phrases : S23 Do not breathe vapour.  
S24 Avoid contact with skin.  
S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

**Safety Data Sheet****2.3 Other Hazards**

**Health Hazards** : May cause moderate irritation to skin. Repeated exposure may cause skin dryness or cracking. Harmful: may cause lung damage if swallowed.

**Safety Hazards** : Combustible liquid. In use, may form flammable/explosive vapour-air mixture. Electrostatic charges may be generated during pumping. Electrostatic discharge may cause fire.

**Other Information** : This product is classified as R65 (Harmful: may cause lung damage if swallowed) respectively H304 (May be fatal if swallowed and enters airways). The risk relates to potential for aspiration. The risk arising from aspiration hazard is solely related to the physico-chemical properties of the substance. The risk can therefore be controlled by implementing risk management measures tailored to this specific hazard and included within Chapter 8 of the SDS. An exposure scenario is not presented.

This product is classified as R66 / EUH066 (Repeated exposure may cause skin dryness or cracking). The risk relates to the potential for repeated or prolonged dermal contact. The risk arising from contact is solely related to the physico-chemical properties of the substance. The risk can therefore be controlled by implementing risk management measures tailored to this specific hazard and included within Chapter 8 of the SDS. An exposure scenario is not presented.

For a list of REACH registered uses, please refer to:  
[www.shell.com/chemicals/reachuses](http://www.shell.com/chemicals/reachuses)

For Industry guidance and tools on REACH please visit the CEFIC website at <http://cefic.org/Industry-support>.

---

**3. COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Substance**

**Material Formal Name** : Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics

**CAS No.** : 64742-47-8

**INDEX No.** : 649-422-00-2

**EC Number** : 926-141-6

**3.2 Mixtures**

**Mixture Description** : Product is not a mixture according to regulation 1907/2006/EC.

---

**4. FIRST AID MEASURES****4.1 Description of first aid measures**

**Safety Data Sheet**

- Inhalation** : Remove to fresh air. If rapid recovery does not occur, transport to nearest medical facility for additional treatment.
- Skin Contact** : Remove contaminated clothing. Flush exposed area with water and follow by washing with soap if available.
- Eye Contact** : Flush eye with copious quantities of water. If persistent irritation occurs, obtain medical attention.
- Ingestion** : If swallowed, do not induce vomiting: transport to nearest medical facility for additional treatment. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. If any of the following delayed signs and symptoms appear within the next 6 hours, transport to the nearest medical facility: fever greater than 101° F (38.3° C), shortness of breath, chest congestion or continued coughing or wheezing.
- 4.2 Most important symptoms and effects, both acute and delayed** : Defatting dermatitis signs and symptoms may include a burning sensation and/or a dried/cracked appearance. Skin irritation signs and symptoms may include a burning sensation, redness, swelling, and/or blisters. If material enters lungs, signs and symptoms may include coughing, choking, wheezing, difficulty in breathing, chest congestion, shortness of breath, and/or fever.
- 4.3 Indication of any immediate medical attention and special treatment needed** : Potential for chemical pneumonitis. Call a doctor or poison control center for guidance.

---

**5. FIRE FIGHTING MEASURES**

Clear fire area of all non-emergency personnel.

- 5.1 Extinguishing Media** : Foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only. Do not discharge extinguishing waters into the aquatic environment.
- Unsuitable Extinguishing Media** : Do not use water in a jet.
- 5.2 Special hazards arising from the substance or mixture** : Carbon monoxide may be evolved if incomplete combustion occurs. Will float and can be reignited on surface water. The vapour is heavier than air, spreads along the ground and distant ignition is possible.
- 5.3 Advice for fire-fighters** : Wear full protective clothing and self-contained breathing apparatus.
- Additional Information** : Keep adjacent containers cool by spraying with water.

---

**6. ACCIDENTAL RELEASE MEASURES**

Observe all relevant local and international regulations.

- 6.1 Personal Precautions, Protective Equipment and Emergency Procedures** : Avoid contact with spilled or released material. Immediately remove all contaminated clothing. For guidance on selection of personal protective equipment see Chapter 8 of this Material Safety Data Sheet. For guidance on disposal of spilled material see Chapter 13 of this Material Safety Data Sheet.
- 6.2 Environmental Precautions** : Shut off leaks, if possible without personal risks. Remove all possible sources of ignition in the surrounding area. Use

**Safety Data Sheet**

- appropriate containment (of product and fire fighting water) to avoid environmental contamination. Prevent from spreading or entering drains, ditches or rivers by using sand, earth, or other appropriate barriers. Attempt to disperse the vapour or to direct its flow to a safe location for example by using fog sprays. Take precautionary measures against static discharge. Ensure electrical continuity by bonding and grounding (earthing) all equipment. Monitor area with combustible gas indicator.
- 6.3 Methods and Material for Containment and Cleaning up** : For small liquid spills (< 1 drum), transfer by mechanical means to a labelled, sealable container for product recovery or safe disposal. Allow residues to evaporate or soak up with an appropriate absorbent material and dispose of safely. Remove contaminated soil and dispose of safely.  
For large liquid spills (> 1 drum), transfer by mechanical means such as vacuum truck to a salvage tank for recovery or safe disposal. Do not flush away residues with water. Retain as contaminated waste. Allow residues to evaporate or soak up with an appropriate absorbent material and dispose of safely. Remove contaminated soil and dispose of safely.
- Additional Advice** : See Chapter 13 for information on disposal. Notify authorities if any exposure to the general public or the environment occurs or is likely to occur.

---

**7. HANDLING AND STORAGE**

- General Precautions** : Avoid breathing vapours or contact with material. Only use in well ventilated areas. Wash thoroughly after handling. On guidance on selection of personal protective equipment see Chapter 8 of this Material Safety Data Sheet. Use the information in this data sheet as input to a risk assessment of local circumstances to help determine appropriate controls for safe handling, storage and disposal of this material.
- 7.1 Precautions for Safe Handling** : Extinguish any naked flames. Do not smoke. Remove ignition sources. Avoid sparks. Avoid contact with skin, eyes, and clothing. Electrostatic charges may be generated during pumping. Electrostatic discharge may cause fire. Ensure electrical continuity by bonding and grounding (earthing) all equipment. Restrict line velocity during pumping in order to avoid generation of electrostatic discharge ( $\leq 1$  m/sec until fill pipe submerged to twice its diameter, then  $\leq 7$  m/sec). Avoid splash filling. Do NOT use compressed air for filling, discharging, or handling operations.
- 7.2 Conditions for safe storage, including any incompatibilities** : Must be stored in a diked (bunded) area. Bulk storage tanks should be diked (bunded). Storage Temperature: Ambient.
- 7.3 Specific end use(s) Product Transfer** : Please refer to Ch16 for the registered uses under REACH.  
: Electrostatic charges may be generated during pumping. Electrostatic discharge may cause fire. If positive displacement pumps are used, these must be fitted with a non-integral pressure relief valve.
- Recommended Materials** : For containers, or container linings use mild steel, stainless steel. For container paints, use epoxy paint, zinc silicate paint.

**Safety Data Sheet**

- Unsuitable Materials** : Avoid prolonged contact with natural, butyl or nitrile rubbers.  
**Container Advice** : Containers, even those that have been emptied, can contain explosive vapours. Do not cut, drill, grind, weld or perform similar operations on or near containers.

---

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

If the American Conference of Governmental Industrial Hygienists (ACGIH) value is provided on this document, it is provided for information only.

**8.1 Control Parameters****Occupational Exposure Limits**

UK Workplace Exposure Limits

In the absence of occupational exposure standards for this product, it is recommended that the following are adopted.

Material	Source	Type	ppm	mg/m3	Notation
RCP Aliphatic dearom. solvents 200 - 250	UK SIA	TWA (8 h)	150 ppm	1,000 mg/m3	

- Additional Information** : Wash hands before eating, drinking, smoking and using the toilet.

**Biological Exposure Index (BEI)**

No biological limit allocated.

- Derived No Effect Levels (DNEL/DMEL) Table** : No DNEL value has been established.

- PNEC related information** : Substance is a hydrocarbon with a complex, unknown or variable composition. Conventional methods of deriving PNECs are not appropriate and it is not possible to identify a single representative PNEC for such substances.

**8.2 Exposure Controls**

- General Information** : The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Select controls based on a risk assessment of local circumstances. Appropriate measures include: Adequate explosion-proof ventilation to control airborne concentrations below the exposure guidelines/limits. Eye washes and showers for emergency use.

Do not ingest. If swallowed then seek immediate medical assistance. If repeated and/or prolonged skin exposure to the substance is likely, then wear suitable gloves tested to EN374 and provide employee skin care programmes

**Occupational Exposure Controls**

**Safety Data Sheet**

- Personal Protective Equipment** : Personal protective equipment (PPE) should meet recommended national standards. Check with PPE suppliers.
- Eye Protection** : Monogoggles (EN166)  
Chemical splash goggles (chemical monogoggles).
- Hand Protection** : Where hand contact with the product may occur the use of gloves approved to relevant standards (e.g. Europe: EN374, US: F739, AS/NZS:2161) made from the following materials may provide suitable chemical protection:  
Longer term protection: Nitrile rubber gloves  
Incidental contact/Splash protection: PVC or neoprene rubber gloves  
Personal hygiene is a key element of effective hand care.  
Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly. Application of a non-perfumed moisturizer is recommended.
- Body protection** : Use protective clothing which is chemical resistant to this material. Safety shoes and boots should also be chemical resistant.
- Respiratory Protection** : If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, select respiratory protection equipment suitable for the specific conditions of use and meeting relevant legislation. Check with respiratory protective equipment suppliers. Where air-filtering respirators are unsuitable (e.g., airborne concentrations are high, risk of oxygen deficiency, confined space) use appropriate positive pressure breathing apparatus. Where air-filtering respirators are suitable, select an appropriate combination of mask and filter. Select a filter suitable for combined particulate/organic gases and vapours [boiling point >65 °C (149 °F)].
- Thermal hazards** : Not applicable
- Monitoring Methods** : Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls. For some substances biological monitoring may also be appropriate. Examples of sources of recommended air monitoring methods are given below or contact supplier. Further national methods may be available. National Institute of Occupational Safety and Health (NIOSH), USA: Manual of Analytical Methods, <http://www.cdc.gov/niosh/nmam/nmammenu.html>.  
Occupational Safety and Health Administration (OSHA), USA: Sampling and Analytical Methods <http://www.osha.gov/dts/sltc/methods/toc.html>  
Health and Safety Executive (HSE), UK: Methods for the Determination of Hazardous Substances, <http://www.hsl.gov.uk/publications/mdhs.aspx>.  
Institut für Arbeitsschutz der Deutschen Gesetzlichen Unfallversicherung (IFA), <http://www.dguv.de/ifa/de/index.jsp>  
L'Institut National de Recherche et de Sécurité, (INRS), France [http://www.inrs.fr/securite/hygiene\\_securite\\_travail.html](http://www.inrs.fr/securite/hygiene_securite_travail.html).

**Environmental Exposure Controls**

- Environmental exposure** : Local guidelines on emission limits for volatile substances must

**Safety Data Sheet****control measures**

be observed for the discharge of exhaust air containing vapour.

---

**9. PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties**

Appearance	: Colourless. Liquid.
Odour	: Paraffinic. Sweet.
Odour threshold	: Data not available.
pH	: Not applicable
Boiling point	: Typical 193 - 245 °C / 379 - 473 °F
Pour point	: -50 °C / -58 °F
Melting / freezing point	: Data not available.
Flash point	: Typical 73 °C / 163 °F (ASTM D-93 / PMCC)
Explosion / Flammability limits in air	: 0.6 - 5.5 %(V)
Auto-ignition temperature	: 236 °C / 457 °F (ASTM E-659)
Vapour pressure	: Typical 19 - 25 Pa at 20 °C / 68 °F Typical 20 Pa at 0 °C / 32 °F Typical 400 Pa at 50 °C / 122 °F
Density	: Typical 792 kg/m <sup>3</sup> at 20 °C / 68 °F (ASTM D-4052) Typical 787 kg/m <sup>3</sup> at 15 °C / 59 °F
Water solubility	: Insoluble.
Solubility in other solvents	: Hydrocarbon solvent(s) Soluble.
n-octanol/water partition coefficient (log Pow)	: 6 - 8.2
Dynamic viscosity	: Data not available.
Kinematic viscosity	: Typical 1.97 mm <sup>2</sup> /s at 25 °C / 77 °F
Vapour density (air=1)	: Data not available.
Electrical conductivity	: < 0.09 pS/m at 20 °C / 68 °F (ASTM D-4308)
Evaporation rate (nBuAc=1)	: 800 (DIN 53170, di-ethyl ether=1) 0.01 (ASTM D 3539, nBuAc=1)
Surface tension	: Typical 26 mN/m at 20 °C / 68 °F (ASTM D-971)
Molecular weight	: 174 g/mol
Decomposition temperature	: Data not available.

**9.2 Other Information**

Coefficient of expansion	: Typical 0.0008 / °C
Dielectric constant	: Typical 2.15 at 20 °C / 68 °F
Refractive index	: Typical 1.437 at 20 °C / 68 °F (ASTM D-1218)
Reaction with water	: Not applicable
Saturated Vapour concentration (in air)	: 4 g/m <sup>3</sup> (estimated value(s))
Volatile organic carbon content	: 85 % (EC/1999/13)
Explosive Properties	: Data not available.
Oxidizing Properties	: Data not available.

---

**10. STABILITY AND REACTIVITY**

<b>10.1 Reactivity</b>	: Not applicable.
------------------------	-------------------



**Safety Data Sheet**

- 10.2 Stability** : Stable under normal conditions of use.  
**10.3 Possibility of Hazardous Reactions** : Data not available.  
**10.4 Conditions to Avoid** : Avoid heat, sparks, open flames and other ignition sources.  
**10.5 Incompatible Materials** : Strong oxidising agents.  
**10.6 Hazardous Decomposition Products** : Thermal decomposition is highly dependent on conditions. A complex mixture of airborne solids, liquids and gases, including carbon monoxide, carbon dioxide and other organic compounds will be evolved when this material undergoes combustion or thermal or oxidative degradation.

**Other Information**

- Sensitivity to Static Discharge** : Data not available.

---

**11. TOXICOLOGICAL INFORMATION****11.1 Information on Toxicological effects**

- Basis for Assessment** : Information given is based on product testing, and/or similar products, and/or components.  
**Routes of Exposure** : Exposure may occur via inhalation, ingestion, skin absorption, skin or eye contact, and accidental ingestion.  
**Acute Oral Toxicity** : Low toxicity: LD50 >5000 mg/kg , Rat  
**Acute Dermal Toxicity** : Low toxicity: LD50 >5000 mg/kg , Rabbit  
**Acute Inhalation Toxicity** : Low toxicity: LC50 greater than near-saturated vapour concentration. / 4 hours, Rat  
**Skin Irritation** : Causes mild skin irritation.  
**Eye Irritation** : Not irritating to eye.  
**Respiratory Irritation** : Not expected to be a respiratory irritant.  
**Sensitisation** : Not a skin sensitiser.
- Aspiration hazard** : Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.  
**Mutagenicity** : Not mutagenic.  
**Carcinogenicity** : Not expected to be carcinogenic.  
Tumours produced in animals are not considered relevant to humans.  
**Reproductive and Developmental Toxicity** : Not expected to be a developmental toxicant.  
Not expected to impair fertility.  
**Specific target organ toxicity - single exposure** : Not applicable  
**Specific target organ toxicity - repeated exposure** : Prolonged/repeated contact may cause defatting of the skin which can lead to dermatitis. Kidney: caused kidney effects in male rats which are not considered relevant to humans

**Safety Data Sheet**

---

**12. ECOLOGICAL INFORMATION**

<b>Basis for Assessment</b>	Incomplete ecotoxicological data are available for this product. The information given below is based partly on a knowledge of the components and the ecotoxicology of similar products.
<b>12.1 Toxicity</b>	
<b>Acute Toxicity</b>	
<b>Fish</b>	: Practically non toxic: LL/EL/IL50 > 100 mg/l
<b>Aquatic crustacea</b>	: Practically non toxic: LL/EL/IL50 > 100 mg/l
<b>Algae/aquatic plants</b>	: Practically non toxic: LL/EL/IL50 > 100 mg/l
<b>Microorganisms</b>	: Practically non toxic: LL/EL/IL50 > 100 mg/l
<b>Chronic Toxicity</b>	
<b>Fish</b>	: NOEC/NOEL expected to be > 0.1 - <= 1.0 mg/l (based on modeled data)
<b>Aquatic crustacea</b>	: NOEC/NOEL expected to be > 1.0 - <= 10 mg/l (based on modeled data)
<b>12.2 Persistence and degradability</b>	: Readily biodegradable.
<b>12.3 Bioaccumulative Potential</b>	: Oxidises rapidly by photo-chemical reactions in air. : Has the potential to bioaccumulate.
<b>12.4 Mobility</b>	: Adsorbs to soil and has low mobility. : Floats on water.
<b>12.5 Result of the PBT and vPvB assessment</b>	: The substance does not fulfill all screening criteria for persistence, bioaccumulation and toxicity and hence is not considered to be PBT or vPvB.
<b>12.6 Other Adverse Effects</b>	: In view of the high rate of loss from solution, the product is unlikely to pose a significant hazard to aquatic life.

---

**13. DISPOSAL CONSIDERATIONS****13.1 Waste Treatment Methods**

<b>Material Disposal</b>	: Recover or recycle if possible. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations. Do not dispose into the environment, in drains or in water courses. Waste product should not be allowed to contaminate soil or water.
<b>Container Disposal</b>	: Drain container thoroughly. After draining, vent in a safe place away from sparks and fire. Refer to Section 7 before handling the product or containers. Residues may cause an explosion hazard if heated above the flash point. Do not puncture, cut or weld uncleaned drums. Send to drum recoverer or metal reclaimer.
<b>Local Legislation</b>	: Disposal should be in accordance with applicable regional, national, and local laws and regulations. Local regulations may be more stringent than regional or national requirements and must be complied with.

**Safety Data Sheet**

---

**14. TRANSPORT INFORMATION****ADR**

This material is not classified as dangerous under ADR regulations.

**RID**

This material is not classified as dangerous under RID regulations.

**Sea transport (IMDG Code):**

This material is not classified as dangerous under IMDG regulations.

**Air transport (IATA):**

This material is either not classified as dangerous under IATA regulations or needs to follow country specific requirements.

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Pollution Category : Annex I  
Ship Type : 2  
Product Name : Petroleum naphtha  
Special Precaution : Refer to Chapter 7, Handling & Storage, for special precautions which a user needs to be aware of or needs to comply with in connection with transport.

---

**15. REGULATORY INFORMATION**

The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****Other regulatory Information****Chemical Inventory Status**

AICS : Listed.  
DSL : Listed.  
INV (CN) : Listed.  
EINECS : Listed. 265-149-8  
KECI (KR) : Listed. KE-12550  
TSCA : Listed.  
ENCS (JP) : Listed. (9)-1700  
ISHL (JP) : Listed. (9)-1700  
PICCS (PH) : Listed.

**National Legislation**

OE\_HP V : Listed.

**Safety Data Sheet**

Other Information : 94/69/EC (21st ATP). The benzene content of this product is less than 0.1%. Nota P applies. Classification and labelling as carcinogen (R45) is not required.

**15.2 Chemical Safety Assessment** : A Chemical Safety Assessment was performed for this substance.

---

**16. OTHER INFORMATION****R-phrases**

R65 Harmful: may cause lung damage if swallowed.  
R66 Repeated exposure may cause skin dryness or cracking.

**CLP Hazard statements**

EUH066 Repeated exposure may cause skin dryness or cracking.  
H304 May be fatal if swallowed and enters airways.

**Identified Uses according to the Use Descriptor System****Uses - Worker**

Title : - Industrial  
Manufacture of substance  
Distribution of substance  
Formulation & (re)packing of substances and mixtures  
Uses in Coatings  
Use in Cleaning Agents  
Use in Oil and Gas field drilling and production operations  
Lubricants  
Metal working fluids / rolling oils  
Use as binders and release agents  
Use as a fuel  
Functional Fluids  
Use in laboratories  
Water treatment chemicals  
Mining chemicals

**Uses - Worker**

Title : - Professional  
Uses in Coatings  
Use in Cleaning Agents  
Lubricants  
Metal working fluids / rolling oils  
Use as binders and release agents  
Use as a fuel  
Functional Fluids  
Road and construction applications  
Use in laboratories  
Water treatment chemicals

**Uses - Consumer**

Title : - Consumer

**Safety Data Sheet**

Uses in Coatings  
Use in Cleaning Agents  
Lubricants  
Use as a fuel  
Functional Fluids  
Other Consumer Uses

**Additional Information** : This material safety data sheet refers to the regulatory requirements for the EU and does not contain any country specific legislation. The information contained herein is based on our current knowledge of the underlying data and is intended to describe the product for the purpose of health, safety and environmental requirements only. No warranty or guarantee is expressed or implied regarding the accuracy of these data or the results to be obtained from the use of the product. For further information, contact your local Shell company or agent.

**Other Information**  
**Further information** : This product is classified as R65 (Harmful: may cause lung damage if swallowed) respectively H304 (May be fatal if swallowed and enters airways). The risk relates to potential for aspiration. The risk arising from aspiration hazard is solely related to the physico-chemical properties of the substance. The risk can therefore be controlled by implementing risk management measures tailored to this specific hazard and included within Chapter 8 of the SDS. An exposure scenario is not presented.  
This product is classified as R66 / EUH066 (Repeated exposure may cause skin dryness or cracking). The risk relates to the potential for repeated or prolonged dermal contact. The risk arising from contact is solely related to the physico-chemical properties of the substance. The risk can therefore be controlled by implementing risk management measures tailored to this specific hazard and included within Chapter 8 of the SDS. An exposure scenario is not presented.  
For a list of REACH registered uses, please refer to:  
[www.shell.com/chemicals/reachuses](http://www.shell.com/chemicals/reachuses)

For Industry guidance and tools on REACH please visit the CEFIC website at <http://cefic.org/Industry-support>.

**MSDS Version Number** : 3.1  
**MSDS Effective Date** : 15.03.2012  
**MSDS Revisions** : A vertical bar (|) in the left margin indicates an amendment from the previous version.  
**MSDS Regulation** : The content and format of this safety data sheet is in accordance with Regulation 1907/2006/EC.  
**MSDS Distribution** : The information in this document should be made available to all who may handle the product  
**Disclaimer** : This information is based on our current knowledge and is

**Safety Data Sheet**

intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

<b>COMPANY INFORMATION DISTRIBUTOR</b>		
<b>name</b>	<b>BRENNTAG N.V.</b>	<b>BRENNTAG Nederland B.V.</b>
address	Nijverheidslaan 38 8540 Deerlijk	Donker Duyvisweg 44 3316 BM Dordrecht
country	Belgium	The Netherlands
phone number	+32 (0)56 77 69 44	+31 (0)78 65 44 944
fax number	+32 (0)56 77 57 11	+31 (0)78 65 44 919
website	www.brenntag.be	www.brenntag.nl
e-mail	info@brenntag.be	info@brenntag.nl
activities	Distribution and export of chemicals and raw materials	
VAT number	BE0405317567	NL001375945B01
recall procedure available	Yes	
emergency number (24/365)	+32 (0)56 77 69 44	+31 (0)78 6544 944
<b>QUALITY SYSTEMS</b>		
ISO 9001	Yes	Yes
ISO 14001	Yes	Yes
ISO 22000	Yes	Yes
FSSC 22000	Yes	Yes
GMP+ -feed	Yes	Yes
OHSAS18001	-	Yes
ESAD	Yes	Yes
other	-	AEO