

# Safety Data Sheet

according to UK REACH Regulation

**Boge 3000 HT plus**

Revision date: 01.01.2022

Product code: 599017

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Boge 3000 HT plus

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

Compressor and vacuum pump oil

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

Company name:	BOGE KOMPRESSOREN	
	Otto Boge GmbH & Co. KG	
Street:	Otto-Boge-Straße 1-7	
Place:	33739 Bielefeld	
Telephone:	+49 5206 601-0	Telefax: +49 5206 601-200
e-mail:	info@boge.com	
Internet:	www.boge.com	

**1.4. Emergency telephone number:** Emergency telephone number (24h) + 44 1235 239670 (en)

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****GB CLP Regulation**

This mixture is not classified as hazardous in accordance with GB CLP Regulation.

The preparation is not dangerous in the sense of Directive 1999/45/EC.

**2.2. Label elements****Additional advice on labelling**

Enthält Alkarylcarbonsäurederivat  
Kann allergische Reaktionen hervorrufen

**2.3. Other hazards**

Not expected to be a health hazard when used under normal conditions. Prolonged or repeated skin contact without proper cleaning can clog the pores of the skin resulting in disorders such as oil acne/folliculitis. Used oil may contain harmful impurities.

Oil acne/folliculitis signs and symptoms may include formation of black pustules and spots on the skin of exposed areas. Ingestion may result in nausea, vomiting and/or diarrhoea.

Diese Mischung enthält keine REACH-registrierten Stoffe, die als PBT oder vPvB klassifiziert sind.

Altöl kann schädliche Verunreinigungen enthalten.

Nicht als entzündlich eingestuft, aber brennbar

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Chemical characterization**

Highly refined mineral oils and additives

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**Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
	Highly refined, low viscosity mineral oils/hydrocarbons (Viscosity >7 - <20.5 cSt @40°C)			86-90 %
	Asp. Tox. 1; H304 EUH066			
68411-46-1	Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene			1-3 %
	270-128-1		01-2119491299-23	
	Aquatic Chronic 3; H412			

Full text of H and EUH statements: see section 16.

**Specific Conc. Limits, M-factors and ATE**

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
		Highly refined, low viscosity mineral oils/hydrocarbons (Viscosity >7 - <20.5 cSt @40°C)	86-90 %
		inhalation: Data lacking (gases); dermal: LD50 = >2000 mg/kg; oral: LD50 = >2000 mg/kg	
68411-46-1	270-128-1	Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	1-3 %
		dermal: LD50 = >2000 mg/kg; oral: LD50 = >5000 mg/kg	

**Further Information**

The highly refined mineral oil contains <3% (w/w) DMSOextract, according to IP346.  
umfasst eine oder mehrere der folgenden CAS-Nummern (REACH-Registrierungsnummern): 64742-53-6 (01-2119480375-34), 64742-54-7 (01-2119484627-25), 64742-55-8 (01-2119487077-29), 64742-56-9 (01-2119480132-48), 64742-65-0 (01-2119471299-27), 68037-01-4 (01-2119486452-34), 72623-86-0 (01-2119474878-16), 72623-87-1 (01-2119474889-13), 8042-47-5 (01-2119487078-27), 848301-69-9 (01-0000020163-82).

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

Not expected to be a health hazard when used under normal conditions. Seek medical attention if problems persist. No administration in cases of unconsciousness or cramps.

**After inhalation**

No treatment necessary under normal conditions of use. If symptoms persist, obtain medical advice.

**After contact with skin**

Verschmutzte Kleidung entfernen. Den exponierten Bereich mit Wasser spülen und dann mit Seife waschen, falls diese vorhanden.

Bei anhaltender Reizung Arzt aufsuchen.

**After contact with eyes**

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Consult an ophthalmologist.

**After ingestion**

In general no treatment is necessary unless large quantities are swallowed, however, get medical advice. Do NOT induce vomiting.

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

Zu den Anzeichen und Symptomen der Ölakne/Follikulitis kann die Entstehung von Mitessern und Pickeln in den exponierten Hautpartien zählen.

Das Verschlucken kann zu Übelkeit, Erbrechen und/oder Durchfall führen.

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

Treat symptomatically

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**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Löschmaßnahmen auf die Umgebung abstimmen  
Water fog. Extinguishing powder. Carbon dioxide. Foam.

**Unsuitable extinguishing media**

High power water jet.

**5.2. Special hazards arising from the substance or mixture**

Hazardous combustion products may include: A complex mixture of airborne solid and liquid particulates and gases (smoke). Carbon monoxide may be evolved if incomplete combustion occurs. Unidentified organic and inorganic compounds.

**5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus. Full protective suit.

**Additional information**

Wenn die Gefahr großflächigen Kontakts durch verschüttetes Material besteht, muss ein Chemieschutzanzug getragen werden. In der Nähe von Feuer in engen Räumen muss ein umluftunabhängiges Atemschutzgerät getragen werden. Wählen Sie Brandschutzkleidung, die entsprechenden Normen entspricht (z. B. in Europa: EN 469).

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures****General advice**

Wear personal protection equipment. Do not breathe gas/fumes/vapour/spray. Provide adequate ventilation.

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers). Treat the recovered material as prescribed in the section on waste disposal.  
Collect in closed containers for disposal.

**6.3. Methods and material for containment and cleaning up****Other information**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).  
Large quantities remove mechanically  
Clean contaminated articles and floor according to the environmental legislation.  
Clean with detergents. Avoid solvent cleaners.

**6.4. Reference to other sections**

Für Hinweise zur Auswahl der persönlichen Schutzausrüstung siehe Abschnitt 8 dieses Sicherheitsdatenblattes., Für Hinweise zur Entsorgung siehe Abschnitt 13 dieses Sicherheitsdatenblattes.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

Avoid oil mist  
Use only in well-ventilated areas.  
Direct contact with skins avoid.  
When using do not eat, drink or smoke.

**Advice on protection against fire and explosion**

Prevent access by unauthorised personnel.

**Advice on general occupational hygiene**

Personal protective equipment (PPE) should meet recommended national standards. Check with PPE

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suppliers. Use personal protection equipment as per Directive 89/686/EEC.

**Further information on handling**

Längeren oder wiederholten Hautkontakt vermeiden.

Einatmen von Dampf und/oder Nebel vermeiden.

Beim Umgang mit dem Produkt in Fässern Sicherheitsschuhe tragen und geeignete Arbeitsgeräte verwenden.

Ordnungsgemäße Entsorgung von kontaminierten Lappen oder Reinigungsutensilien, um Feuer zu verhindern.

High slip hazard because of leaking or spilled product.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

Recommended storage temperature: 0-50 °C // 32 - 122°F

Unsuitable Materials: PVC

Polyethylenbehälter dürfen höheren Temperaturen aufgrund der Gefahr einer möglichen Verformung nicht ausgesetzt werden.

**Further information on storage conditions**

Protect from sunlight. Store in a well-ventilated place.

**7.3. Specific end use(s)**

Nicht anwendbar

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****DNEL/DMEL values**

CAS No	Substance			
DNEL type	Exposure route	Effect	Value	
	Highly refined, low viscosity mineral oils/hydrocarbons (Viscosity >7 - <20.5 cSt @40°C)			

**Additional advice on limit values**

Überwachung der Konzentration der Stoffe im Atemschutzbereich von Beschäftigten oder allgemein am Arbeitsplatz kann erforderlich sein, um die Einhaltung eines Arbeitsplatzgrenzwertes und die Eignung von Expositionsbegrenzungen zu bestätigen. Bei einigen Stoffen kann auch biologische Überwachung geeignet sein.

Validierte Methoden zur Expositionsmessung müssen durch eine qualifizierte Person durchgeführt werden und die Proben müssen in einem zugelassenen Labor analysiert werden.

**8.2. Exposure controls****Appropriate engineering controls**

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 ventilation to control airborne concentrations. Where material is heated, sprayed or mist formed, there is greater potential for airborne concentrations to be generated.

**Individual protection measures, such as personal protective equipment****Eye/face protection**

Wear safety glasses or full face shield if splashes are likely to occur. Approved to EU Standard EN166. Use glasses or face shield if there is a risk of splashing.

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**Hand protection**

Where hand contact with the product may occur the use of gloves approved to relevant standards (e.g. Europe: EN374, US: F739) made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. 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.

**Skin protection**

Chemically resistant safety shoes. Take off immediately all contaminated clothing.  
Thorough skin-cleansing after handling the product. Set out skin protection guidelines.

**Respiratory protection**

No respiratory protection is ordinarily required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid breathing of material. 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 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)] meeting EN14387. If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

**Environmental exposure controls**

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.

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

Physical state:	liquid
Colour:	light brown
Odour:	characteristic

**Test method****Changes in the physical state**

Boiling point or initial boiling point and boiling range:	> 280 °C	estimated
Pour point:	-30 °C	ISO 3016
Flash point:	248 °C	ISO 2592
Lower explosion limits:	1 vol. %	
Upper explosion limits:	10 vol. %	
Auto-ignition temperature:	>320 °C	
pH-Value:	not applicable	
Viscosity / kinematic: (at 40 °C)	68 mm <sup>2</sup> /s	ASTM D 7042
Partition coefficient n-octanol/water:	> 6	
Vapour pressure:	< 0,5 hPa	
Density (at 15 °C):	0,880 g/cm <sup>3</sup>	EN ISO 12185
Relative vapour density:	>1	

**9.2. Other information****Other safety characteristics**

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Es wird nicht erwartet, dass es sich bei diesem Material um einen statischen Akkumulator handelt

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Neben den in folgendem Unterabsatz aufgelisteten Gefahren durch Reaktivität gehen keine weiteren derartigen Gefahren vom Produkt aus.

### 10.2. Chemical stability

Stable . Wenn Material vorschriftsgemäß gehandhabt und gelagert wird, ist keine gefährliche Reaktion zu erwarten.

### 10.3. Possibility of hazardous reactions

Reagiert mit starken Oxidationsmitteln.

### 10.4. Conditions to avoid

Protect against: heat.

Protect from direct sunlight.

### 10.5. Incompatible materials

The following must be prevented: Oxidizing agents, strong. acid.

### 10.6. Hazardous decomposition products

Hazardous decomposition products: none

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in GB CLP Regulation

#### Toxicocinetics, metabolism and distribution

There are no data available on the preparation/mixture itself.

Data apply to the main component.

#### ATEmix tested

	Dose	Species	Source
LD50, oral	> 5000 mg/kg	Ratte	
LD50, dermal	> 5000 mg/kg	Kaninchen	

#### Acute toxicity

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
	Highly refined, low viscosity mineral oils/hydrocarbons (Viscosity >7 - <20.5 cSt @40°C)				
	oral	LD50 >2000 mg/kg	RAT		
	dermal	LD50 >2000 mg/kg	RABBIT		
	inhalation	Data lacking			
68411-46-1	Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene				
	oral	LD50 >5000 mg/kg	Rat	OECD 401	
	dermal	LD50 >2000 mg/kg	Rat		

#### Irritation and corrosivity

Anmerkungen: Leicht hautreizend., Eine längere oder wiederholte Berührung mit der Haut ohne ordnungsgemäße Reinigung kann die Hautporen verstopfen und zu Störungen wie Ölakne/Follikulitis führen., Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Anmerkungen: Leicht augenreizend., Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

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**Sensitising effects**

(4-Nonylphenoxy)essigsäure:

Anmerkungen: Kann eine allergische Hautreaktion bei empfindlichen Personen verursachen.

**Carcinogenic/mutagenic/toxic effects for reproduction**

Product contains mineral oils of types shown to be non- carcinogenic in animal skin-painting studies. Highly refined mineral oils are not classified as carcinogenic by the International Agency for Research on Cancer (IARC). Other components are not known to be associated with carcinogenic effects.

**Additional information on tests**

No risks worthy of mention. Practical experience.

The statement is derived from the properties of the single components.

The classification was undertaken in accordance with the calculation method governed by the Preparations Directive (1999/45/EC).

**Further information**

Used oils may contain harmful impurities that have accumulated during use. The concentration of such impurities will depend on use and they may present risks to health and the environment on disposal. ALL used oil should be handled with caution and skin contact avoided as far as possible.

**SECTION 12: Ecological information****12.1. Toxicity**

Ökotoxikologische Daten wurden speziell für dieses Produkt nicht ermittelt. Die bereitgestellten Informationen basieren auf dem Wissen über die Komponenten und der Ökotoxikologie ähnlicher Erzeugnisse. Sofern nicht anders angegeben, gelten die vorliegenden Daten für das Produkt als Ganzes und nicht für einzelne Bestandteile. (LL/EL/IL50 ausgedrückt als die nominale Menge des Produkts, die zur Zubereitung eines wässrigen Versuchsextrakts benötigt wird).

Anmerkungen zum Produkt: LL/EL/IL50 &gt;100 mg/l

Praktisch nicht giftig:

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
68411-46-1	Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene					
	Acute fish toxicity	LC50 > 71 mg/l	96 h	Fish	OECD 203	
	Acute algae toxicity	ErC50 > 100 mg/l		Algae	OECD 201	
	Acute crustacea toxicity	EC50 51 mg/l	48 h	Daphnia	OECD 202	
	Acute bacteria toxicity	(EC50 > 100 mg/l)		Bacteria	OECD 209	

**12.2. Persistence and degradability**

Expected to be not readily biodegradable. Major constituents are expected to be inherently biodegradable, but the product contains components that may persist in the environment.

**12.3. Bioaccumulative potential**

Contains components with the potential to bioaccumulate.

log Pow: &gt; 6 Anmerkungen: (bezogen auf Informationen über vergleichbare Produkte)

**12.4. Mobility in soil**

Liquid under most environmental conditions. Floats on water. If it enters soil, it will adsorb to soil particles and will not be mobile.

**12.5. Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

Diese Mischung enthält keine REACH-registrierten Stoffe, die als PBT oder vPvB klassifiziert sind.

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#### **12.6. Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

#### **12.7. Other adverse effects**

Product is a mixture of non-volatile components, which are not expected to be released to air in any significant quantities. Not expected to have ozone depletion potential, photochemical ozone creation potential or global warming potential.

### SECTION 13: Disposal considerations

#### **13.1. Waste treatment methods**

##### **Disposal recommendations**

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.

##### **List of Wastes Code - residues/unused products**

130205 OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN CHAPTERS 05, 12 AND 19); waste engine, gear and lubricating oils; mineral-based non-chlorinated engine, gear and lubricating oils; hazardous waste

##### **List of Wastes Code - used product**

130205 OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN CHAPTERS 05, 12 AND 19); waste engine, gear and lubricating oils; mineral-based non-chlorinated engine, gear and lubricating oils; hazardous waste

##### **Contaminated packaging**

In Übereinstimmung mit den bestehenden behördlichen Vorschriften durch einen zugelassenen Abfallsammler oder -Verwerter entsorgen, von dessen Eignung man sich vorher überzeugt hat.  
Entsorgung entsprechend der regionalen, nationalen und lokalen Gesetze und Vorschriften.

### SECTION 14: Transport information

#### **Land transport (ADR/RID)**

**14.1. UN number or ID number:** No dangerous good in sense of these transport regulations.  
**14.2. UN proper shipping name:** No dangerous good in sense of these transport regulations.  
**14.3. Transport hazard class(es):** No dangerous good in sense of these transport regulations.  
**14.4. Packing group:** No dangerous good in sense of these transport regulations.

##### **Other applicable information (land transport)**

Not restricted

#### **Inland waterways transport (ADN)**

**14.1. UN number or ID number:** No dangerous good in sense of these transport regulations.  
**14.2. UN proper shipping name:** No dangerous good in sense of these transport regulations.  
**14.3. Transport hazard class(es):** No dangerous good in sense of these transport regulations.  
**14.4. Packing group:** No dangerous good in sense of these transport regulations.

##### **Other applicable information (inland waterways transport)**

Not restricted

#### **Marine transport (IMDG)**

**14.1. UN number or ID number:** No dangerous good in sense of these transport regulations.  
**14.2. UN proper shipping name:** No dangerous good in sense of these transport regulations.  
**14.3. Transport hazard class(es):** No dangerous good in sense of these transport regulations.

##### **Other applicable information (marine transport)**

Not restricted

#### **Air transport (ICAO-TI/IATA-DGR)**

**14.1. UN number or ID number:** No dangerous good in sense of these transport regulations.



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**14.2. UN proper shipping name:** No dangerous good in sense of these transport regulations.**14.3. Transport hazard class(es):** No dangerous good in sense of these transport regulations.**Other applicable information (air transport)**

Not restricted

Danger releasing substance: No dangerous good in sense of these transport regulations.

**14.6. Special precautions for user**

Siehe auch Abschnitt 7, Handhabung und Lagerung, für spezielle Vorsichtsmaßnahmen, welche Anwender wissen, bzw. im Rahmen von Transportvorschriften erfüllen müssen.

**14.7. Maritime transport in bulk according to IMO instruments**

Auf Produkt im Lieferzustand nicht zutreffend. Für Bulk-Transporte auf Seewegen sind die MARPOL Anhang 1 Regeln zu beachten.

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 75

2010/75/EU (VOC): 0,0

2004/42/EC (VOC): 0,0

**Additional information**

Produkt unterliegt keiner Zulassung laut REACH.

**National regulatory information**

Water hazard class (D): 1 - slightly hazardous to water

**15.2. Chemical safety assessment**

For this substance a chemical safety assessment has not been carried out.

**SECTION 16: Other information****Changes**

This data sheet contains changes from the previous version in section(s): 2,4,5,6,7,8,9,10,11,12,13,14,15,16.

AICS (Australien), DSL (Kanada), IECSC (China), REACH (Europäische Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (Neuseeland), PICCS (Philippinen), TSCA (USA)

**Abbreviations and acronyms**

Acute Tox.: Akute Toxizität

Aquatic Chronic: Langfristig (chronisch) gewässergefährdend

Asp. Tox.: Aspirationsgefahr

Repr.: Reproduktionstoxizität

Skin Corr.: Ätzwirkung auf die Haut

Skin Sens.: Sensibilisierung durch Hautkontakt

Legende zu Abkürzungen in diesem Sicherheitsdatenblatt:

Die in diesem Dokument verwendeten Standard-Abkürzungen und -Akronyme können in einschlägiger Referenzliteratur (z. B. wissenschaftlichen Wörterbüchern) bzw. auf Webseiten nachgeschlagen werden.

ACGIH = Amerikanische Konferenz der staatlich-industriellen Hygieniker

ADR = Europäisches Übereinkommen über die internationale Beförderung gefährlicher Güter auf der Straße

AICS = Australisches Verzeichnis chemischer Substanzen

ASTM = Amerikanische Gesellschaft für Werkstoffprüfung

BEL = Biologische Expositionsgrenze

BTEX = Benzol, Toluol, Ethylbenzol, Xylole

CAS = Chemical Abstracts Service

CEFIC = Wirtschaftsverband der europäischen chemischen Industrie

CLP = Einstufung, Verpackung und Kennzeichnung

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COC = Flammpunktprüfer nach Cleveland  
 DIN = Deutsches Institut für Normung  
 DMEL = Abgeleitetes Minimal-Effekt Niveau  
 DNEL = Expositionskonzentration ohne Auswirkungen  
 DSL = Kanadisches Verzeichnis inländischer Substanzen  
 EC = Europäische Kommission  
 EC50 = Effektive Konzentration 50  
 ECHA = Europäische Chemikalien Agentur  
 EINECS = Europäisches Altstoffverzeichnis  
 EL50 = Effektives Niveau 50  
 ENCS = Japanisches Verzeichnis bestehender und neuer Chemikalien  
 EWC = Europäischer Abfall-Code  
 GHS = Global Harmonisiertes System zur Einstufung und Kennzeichnung von Chemikalien  
 IARC = Internationales Krebsforschungszentrum  
 IATA = Internationale Flug-Transport-Vereinigung  
 IC50 = Hemmkonzentration 50  
 IL50 = Hemmniveau 50  
 IMDG = Internationale Maritime Gefahrgüter  
 INV = Chinesisches Chemikalien-Verzeichnis  
 IP346 = "Institute of Petroleum" (IP) Testmethode Nr. 346 zur Bestimmung von polyzyklischen Aromaten  
 DMSO-extrahierbar  
 KECI = Koreanisches Verzeichnis bestehender Chemikalien  
 LC50 = Letale Konzentration 50  
 LD50 = Letale Dosis 50  
 LL/EL/IL = Letale Belastung / Expositionsgrenze / Inhibitionsgrenze  
 LL50 = Letales Niveau 50  
 MARPOL = Übereinkommen zur Verhütung der Meeres-Verschmutzung durch Schiffe  
 NOEC/NOEL = Höchste Dosis oder Expositionskonzentration einer Substanz ohne beobachtete Auswirkungen  
 OE\_HPVS = Occupational Exposure – High Production Volume (Berufliche Exposition – hohes Produktionsvolumen)  
 PBT = Persistent, bioakkumulierbar, toxisch  
 PICCS = Philippinisches Verzeichnis von Chemikalien und chemischen Substanzen  
 PNEC = Abgeschätzte Nicht-Effekt Konzentration  
 REACH = Registrierung, Bewertung, Zulassung und Beschränkung von Chemikalien  
 RID = Regulations Relating to International Carriage of Dangerous Goods by Rail (Regelung zur internationalen Beförderung gefährlicher Güter im Schienenverkehr)  
 SKIN\_DES = Skin Designation (Kennzeichnung, dass Hautabsorption vermieden werden soll)  
 STEL = Kurzzeit Expositionsgrenze  
 TRA = Gezielte Risiko-Bewertung  
 TSCA = US-Amerikanisches Gesetz zur Chemikalienkontrolle  
 TWA = Zeitgewichteter Durchschnitt  
 vPvB = Sehr persistent und sehr bioakkumulierbar

**Relevant H and EUH statements (number and full text)**

H304	May be fatal if swallowed and enters airways.
H412	Harmful to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

**Further Information**

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights.

Abkürzungen und Akronyme siehe Verzeichnis unter <http://abk.esdscom.eu>

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*