## **SAFETY DATA SHEET**



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

Version 5 Date of issue	1 July 2014 Format	Germany Language	ENGLISH
· · · · · · · · · · · · · · · · · · ·			
fastenings Product name Olistamoly 2 LN	584 LO	Product code 460916-DE03	Page: 1/9
Special packaging requirement Containers to be fitted with child-resistant	Not applicable.		
elements			
Supplemental label	Safety data sheet available on request.		
Disposal	Not applicable.		
Storage	Not applicable.		
Response	Not applicable.		
Prevention	Not applicable.		
Precautionary statements	<u> </u>		
Hazard statements	No known significant effects or critical haza	rds.	
2.2 Label elements Signal word	No signal word.		
See sections 11 and 12 for mo	re detailed information on health effects and sy	mptoms and environmental hazards	
•	dangerous according to Directive 1999/45/EC		
Classification according to D	Directive 1999/45/EC [DPD]		
Not classified.	<u>Acgulation (LC) NO. 12/2/2000 [CLF/GH3]</u>		
	Regulation (EC) No. 1272/2008 [CLP/GHS]		
Product definition	Mixture		
2.1 Classification of the subst			
SECTION 2: Hazards	identification		
EMERGENCY TELEPHONE NUMBER	Carechem: +44 (0) 1235 239 670 (24 hours	)	
1.4 Emergency telephone nur			
E-mail address	MSDSadvice@bp.com		
	Telefax: +49 (0) 2161 909 400		
	Telefon: +49 (0) 2161 909 30		
	Germany		
	Erkelenzer Straße 20 D-41179 Mönchengladbach		
Cabbioi	Geschäftsbereich Industrieschmierstoffe		
1.3 Details of the supplier of t Supplier	the safety data sheet BP Europa SE		
mixture	For specific application advice see appropri representative.	ate Technical Data Sheet or consult	our company
Use of the substance/	Grease for industrial applications	-	
1.2 Relevant identified uses of	f the substance or mixture and uses advise	d against	
Product type	Grease		
SDS no.	460916		
	83 19 0 477 919		
Trouder code	83 19 1 225 051		
Product code	460916-DE03		
Product name	Olistamoly 2 LN 584 LO		

### **SECTION 2: Hazards identification**

Tactile warning of danger	Not applicable.

2.3 Other hazards	
Other hazards which do not result in classification	Defatting to the skin. Note: High Pressure Applications Injections through the skin resulting from contact with the product at high pressure constitute a major medical emergency. See 'Notes to physician' under First-Aid Measures, Section 4 of this Safety Data Sheet.

# **SECTION 3: Composition/information on ingredients**

Substance/mixture Mixture

Highly refined mineral oil and additives. Thickening agent.

This product does not contain any hazardous ingredients at or above regulated thresholds.

### **SECTION 4: First aid measures**

4.1 Description of first aid me	easures	
Eye contact	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Check for and remove any contact lenses. Get medical attention.	
Skin contact	Wash skin thoroughly with soap and water or use recognised skin cleanser. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if irritation develops.	
Inhalation	If inhaled, remove to fresh air. Get medical attention if symptoms appear.	
Ingestion	Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.	
Protection of first-aiders	No action shall be taken involving any personal risk or without suitable training.	

#### 4.2 Most important symptoms and effects, both acute and delayed

See Section 11 for more detailed information on health effects and symptoms.

#### 4.3 Indication of any immediate medical attention and special treatment needed

	Treatment should in general be symptomatic and directed to relieving any effects. Note: High Pressure Applications Injections through the skin resulting from contact with the product at high pressure constitute a major medical emergency. Injuries may not appear serious at first but within a few hours tissue becomes swollen, discoloured and extremely painful with extensive subcutaneous necrosis. Surgical exploration should be undertaken without delay. Thorough and extensive debridement of the wound and underlying tissue is necessary to minimise tissue loss and prevent or limit permanent damage. Note that high pressure may force the product considerable distances along tissue planes.
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## **SECTION 5: Firefighting measures**

5.1 Extinguishing media	
Suitable extinguishing media	In case of fire, use water fog, alcohol resistant foam, dry chemical or carbon dioxide extinguisher or spray.
Unsuitable extinguishing media	Do not use water jet.
5.2 Special hazards arising fro	m the substance or mixture
Hazards from the substance or mixture	In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous combustion products	Combustion products may include the following: carbon oxides (CO, CO <sub>2</sub> ) (carbon monoxide, carbon dioxide) metal oxide/oxides sulphur oxides (SO, SO <sub>2</sub> , etc.)

#### 5.3 Advice for firefighters

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## SECTION 5: Firefighting measures

Special precautions for fire-fighters	Fromptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

## **SECTION 6: Accidental release measures**

6.1 Personal precautions, prot	ective equipment and emergency procedures	
For non-emergency personnel	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. Floors may be slippery; use care to avoid falling. Put on appropriate personal protective equipment.	
For emergency responders	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".	
6.2 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).	
6.3 Methods and materials for	containment and cleaning up	
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.	
Large spill	Stop leak if without risk. Move containers from spill area. 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. If emergency personnel are unavailable, contain spilt material. Suction or scoop the spill into appropriate disposal or recycling vessels, then cover spill area with oil absorbent. Dispose of via a licensed waste disposal contractor.	
6.4 Reference to other sections	See Section 1 for emergency contact information. See Section 5 for firefighting measures. See Section 8 for information on appropriate personal protective equipment. See Section 12 for environmental precautions. See Section 13 for additional waste treatment information.	

## **SECTION 7: Handling and storage**

7.1 Precautions for safe hand	dling
Protective measures	Put on appropriate personal protective equipment.
Advice on general occupational hygiene	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Wash thoroughly after handling. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
7.2 Conditions for safe storage, including any incompatibilities	Store in accordance with local regulations. Store in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10). Keep away from heat and direct sunlight. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Store and use only in equipment/ containers designed for use with this product. Do not store in unlabelled containers.
Germany - Storage code	11
7.3 Specific end use(s)	
Decomposedations	Can applied 4.0 and European approximation in approximation in a

Recommendations

See section 1.2 and Exposure scenarios in annex, if applicable.

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

#### 8.1 Control parameters

**Occupational exposure limits** 

No exposure limit value known.

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# SECTION 8: Exposure controls/personal protection

Recommended monitoring procedures	If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.
Derived No Effect Level	
No DNELs/DMELs available.	
Predicted No Effect Concentr	ation
No PNECs available	
8.2 Exposure controls	
Appropriate engineering controls	<ul> <li>Frovide exhaust ventilation or other engineering controls to keep the relevant airborne concentrations below their respective occupational exposure limits.</li> <li>All activities involving chemicals should be assessed for their risks to health, to ensure exposures are adequately controlled. Personal protective equipment should only be considered after other forms of control measures (e.g. engineering controls) have been suitably evaluated. Personal protective equipment should conform to appropriate standards, be suitable for use, be kept in good condition and properly maintained.</li> <li>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.</li> </ul>
Individual protection measure	—
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. Ensure that eyewash stations and safety showers are close to the workstation location.
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. 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.
Eye/face protection	Safety glasses with side shields.
Skin protection	
Hand protection	General Information:
	Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. The correct choice of protective gloves depends upon the chemicals being handled, and the conditions of work and use. Most gloves provide protection for only a limited time before they must be discarded and replaced (even the best chemically resistant gloves will break down after repeated chemical exposures).
	Gloves should be chosen in consultation with the supplier / manufacturer and taking account of a full assessment of the working conditions.
	Recommended: Nitrile gloves. Breakthrough time:
	Breakthrough time data are generated by glove manufacturers under laboratory test conditions and represent how long a glove can be expected to provide effective permeation resistance. It is important when following breakthrough time recommendations that actual workplace conditions are taken into account. Always consult with your glove supplier for up-to-date technical information on breakthrough times for the recommended glove type. Our recommendations on the selection of gloves are as follows:
	Continuous contact:
	Gloves with a minimum breakthrough time of 240 minutes, or >480 minutes if suitable gloves can be obtained.
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### SECTION 8: Exposure controls/personal protection

If suitable gloves are not available to offer that level of protection, gloves with shorter breakthrough times may be acceptable as long as appropriate glove maintenance and replacement regimes are determined and adhered to.

Short-term / splash protection:

Recommended breakthrough times as above. It is recognised that for short-term, transient exposures, gloves with shorter breakthrough times may commonly be used. Therefore, appropriate maintenance and replacement regimes must be determined and rigorously followed. **Glove Thickness:** For general applications, we recommend gloves with a thickness typically greater than 0.35 mm. It should be emphasised that glove thickness is not necessarily a good predictor of glove resistance to a specific chemical, as the permeation efficiency of the glove will be dependent on the exact composition of the glove material. Therefore, glove selection should also be based on consideration of the task requirements and knowledge of breakthrough times. Glove thickness may also vary depending on the glove manufacturer, the glove type and the glove model. Therefore, the manufacturers' technical data should always be taken into account to ensure selection of the most appropriate glove for the task. Note: Depending on the activity being conducted, gloves of varying thickness may be required for specific tasks. For example: Thinner gloves (down to 0.1 mm or less) may be required where a high degree of manual dexterity is needed. However, these gloves are only likely to give short duration protection and would normally be just for single use applications, then disposed of. Thicker gloves (up to 3 mm or more) may be required where there is a mechanical (as well as a chemical) risk i.e. where there is abrasion or puncture potential. Skin and body Use of protective clothing is good industrial practice. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

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. **Environmental exposure** Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume

scrubbers, filters or engineering modifications to the process equipment will be necessary to

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

controls

Appearance	
Physical state	Grease
Colour	Black. [Dark]
Odour	Mild.
Odour threshold	Not available.
рН	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Drop Point	>180 °C
Flash point	pen cup: 220°C (428°F) [Estimated. Based on Highly refined base oil]
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	Not available.
Vapour pressure	Not available.
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reduce emissions to acceptable levels.

## **SECTION 9: Physical and chemical properties**

Vapour density	Not available.
Relative density	Not available.
Density	<1000 kg/m³ (<1 g/cm³) at 20°C
Solubility(ies)	insoluble in water.
Partition coefficient: n-octanol/ water	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Explosive properties	Not available.
Oxidising properties	Not available.

### 9.2 Other information

No additional information.

SECTION 10: Stability	SECTION 10: Stability and reactivity			
10.1 Reactivity	No specific test data available for this product. Refer to Conditions to avoid and Incompatible materials for additional information.			
10.2 Chemical stability	The product is stable.			
10.3 Possibility of hazardous reactions	Inder normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous polymerisation will not occur.			
10.4 Conditions to avoid	No specific data.			
10.5 Incompatible materials	Reactive or incompatible with the following materials: oxidising materials.			
10.6 Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.			
SECTION 44. Taxiaal	a signal information			

## **SECTION 11: Toxicological information**

### 11.1 Information on toxicological effects

Acute 1	toxicit	y estimates	

	Route	ATE value
Not available.		
nformation on the likely outes of exposure	Routes of entry anticipated: Dermal, Inhalation	n.
Potential acute health effec	<u>ts</u>	
Inhalation	Vapour inhalation under ambient conditions is pressure.	s not normally a problem due to low vapour
Ingestion	No known significant effects or critical hazards	ls.
Skin contact	Pefatting to the skin. May cause skin dryness	s and irritation.
Eye contact	No known significant effects or critical hazards	ls.
Symptoms related to the ph	ysical, chemical and toxicological characterist	<u>itics</u>
Inhalation No specific data.		
Ingestion No specific data.		
Skin contact Adverse symptoms may include the following: irritation dryness cracking		
Eye contact	No specific data.	
Delayed and immediate effe	ects and also chronic effects from short and lo	ong term exposure
Inhalation	Inhalation of oil mist or vapours at elevated te	emperatures may cause respiratory irritation.
Ingestion	Ingestion of large quantities may cause nause	ea and diarrhoea.
Skin contact	Prolonged or repeated contact can defat the s	skin and lead to irritation and/or dermatitis.
Eye contact	Potential risk of transient stinging or redness i	if accidental eye contact occurs.
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## **SECTION 11: Toxicological information**

Potential chronic health effe	<u>ects</u>
General	No known significant effects or critical hazards.
Carcinogenicity	No known significant effects or critical hazards.
Mutagenicity	No known significant effects or critical hazards.
Developmental effects	No known significant effects or critical hazards.
Fertility effects	No known significant effects or critical hazards.
SECTION 12: Ecolog	ical information
12.1 Toxicity	
Environmental hazards	Not classified as dangerous
12.2 Persistence and degrad	ability
Expected to be biodegradable.	
12.3 Bioaccumulative potent	al
Not available.	
12.4 Mobility in soil	
Soil/water partition coefficient (Koc)	Not available.
Mobility	Non-volatile. Grease. insoluble in water.
12.5 Results of PBT and vPvI	3 assessment
PBT	Not applicable.
vPvB	Not applicable.
12.6 Other adverse effects	No known significant effects or critical hazards.
SECTION 13: Dispos	al considerations
13.1 Waste treatment method	ls
Product	
Methods of disposal	Where possible, arrange for product to be recycled. Dispose of via an authorised person/ licensed waste disposal contractor in accordance with local regulations.
Hazardous waste	Yes.
European waste catalogue	<u>• (EWC)</u>
Waste code	Waste designation
12 01 12*	spent waxes and fats
However, deviation from the disposal code to be assigned	e intended use and/or the presence of any potential contaminants may require an alternative waste ed by the end user.
Packaging	
Methods of disposal	Where possible, arrange for product to be recycled. Dispose of via an authorised person/ licensed waste disposal contractor in accordance with local regulations.
Waste code	European waste catalogue (EWC)
15 01 10*	packaging containing residues of or contaminated by dangerous substances
Special precautions	This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with

# **SECTION 14: Transport information**

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SECTION 14: 1	Fransport inform	ation					
ADR/RID ADN IMDG IATA							
14.1 UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.			
14.2 UN proper shipping name	-	-	-	-			
14.3 Transport hazard class(es)	-	-	-	-			
14.4 Packing group	-	-	-	-			
14.5 Environmental hazards	No.	No.	No.	No.			
Additional information	-	-	-	-			

14.6 Special precautions for Not available. user

# SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture				
EU Regulation (EC) No. 1907/2006 (REACH)				
Annex XIV - List of substances subject to authorisation				
Substances of very high co	ncern			
None of the components are	e listed.			
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	Not applicable.			
Other regulations				
REACH Status	The company, as identified in Section 1, sells this product in the EU in compliance with the current requirements of REACH.			
United States inventory (TSCA 8b)	All components are listed or exempted.			
Australia inventory (AICS)	All components are listed or exempted.			
Canada inventory	At least one component is not listed.			
China inventory (IECSC)	All components are listed or exempted.			
Japan inventory (ENCS)	At least one component is not listed.			
Korea inventory (KECI)	All components are listed or exempted.			
Philippines inventory (PICCS)	At least one component is not listed.			
National regulations				
Hazard class for water	1 Appendix No. 4 (classified according VwVwS)			
15.2 Chemical Safety Assessment	This product contains substances for which Chemical Safety Assessments are still required.			

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### **SECTION 16: Other information**

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor CAS = Chemical Astracts Service CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008] CSA = Chemical Safety Assessment CSR = Chemical Safety Assessment CSR = Chemical Safety Assessment DNEL = Derived Minimal Effect Level DNEL = Derived No Effect Level DPD = Dangerous Preparations Directive [199/45/EC] DSD = Dangerous Substances Directive [67/548/EEC] EINECS = European Inventory of Existing Commercial chemical Substances ES = Exposure Scenario EUH statement = CLP-specific Hazard statement EWC = European Waste Catalogue GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Internediate Bulk Container IMDG = International Air Transport Association BC = Unternediate Bulk Container IMDG = International Air International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) OECD = Organistation for Economic Co-operation and Development PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicet No Effect Concentration RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail RRN = REACH Registration Number SADT = Self-Accelerating Decomposition Temperature SVHC = Substances of Very High Concern STOT-RE = Specific Target Organ Toxicity - Repeated Exposure STOT-RE = Specific Target Organ Toxicity - Repeated Exposure STOT-SE = Specific Target Organ Toxicity - Single Exposure STOT-SE = Specific Target Organ Toxic	Abbreviations and acronyms	ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ATE = Actute Toxicity Estimate         BCF = Bioconcentration Factor         CAS = Chemical Abstracts Service         CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]         CSA = Chemical Safely Assessment         CSR = Chemical Safely Assessment         CSR = Chemical Safely Report         DMEL = Derived Minimal Effect Level         DMEL = Derived No Effect Level         DPD = Dangerous Substances         ES = European Inventory of Existing Commercial chemical Substances         ES = European Inventory of Existing Commercial chemical Substances         ES = European Inventory of Existing Commercial chemical Substances         ES = European Inventory of Existing Commercial chemical Substances         ES = European Inventory of Existing Commercial chemical Substances         ES = European Inventory of Existing Commercial chemicals         IATA = International Air Transport Association         IBC = Intermediate Bilk Container         IBO = International Maritime Dangerous Goods         LogPow = Logarithm of the octanol/Water partition of Pollution From Ships, 1973 as         modified by the Protocol of 1978. ("Margon" = marine pollution)         OEC = Organisation for Economic Co-operation and Development         PET = Persistent, Bioaccumulative and Toxic         PNE = Self-Acceleration Number         SADT = Self-Acceleration D		ADR = The European Agreement concerning the International Carriage of Dangerous Goods by
BCF = Bioconcentration Factor         CAS = Chemical Asteriats Service         CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]         CSA = Chemical Safety Report         DMEL = Derived Minimal Effect Level         DNEL = Derived Minimal Effect Level         DNEL = Derived Minimal Effect Level         DNE = Dangerous Substances Directive [07/540/EEC]         BINEOS = European Inventory of Existing Commercial chemical Substances         ES = Exposure Scenario         EUH statement = CLP-specific Hazard statement         EWC = European Wastonces Directive [07/540/EEC]         BINEOS = European Inventory of Existing Commercial chemical Substances         ES = Exposure Scenario         EWC = European Wastonces Directive [07/540/EEC]         BINEOS = Derive Data Martime Dangerous Scociation         BID = Thermational Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ('Marpol' = marine pollution) </td <td></td> <td></td>		
CAS = Chemical Abstracts Service         CLP = Classification. Labeling and Packaging Regulation [Regulation (EC) No. 1272/2008]         CSA = Chemical Safety Assessment         CSR = Chemical Safety Assessment         CSR = Chemical Safety Assessment         DMEL = Derived Minimal Effect Level         DNEL = Derived Minimal Effect Level         DPD = Dangerous Preparations Directive [1999/45/EC]         DSD = Dangerous Preparations Directive [1999/45/EC]         DSD = Competen Inventory of Existing Commercial chemical Substances         ES = Exposure Scenario         EUH statement = CLP-specific Hazard statement         EWC = European Waste Catalogue         GHS = Clobally Harmonized System of Classification and Labelling of Chemicals         IATA = International Air Transport Association         IBC = Internediate Bulk Container         IMDG = International Maritime Dangerous Goods         LogPow = logarithm of the octanol/water partition coefficient         MARPOL = Organisation for Economic Co-operation and Development         PBT = Persistent, Bioaccumulative and Toxic         PNEC = Predicted ND Effect Concentration         RD1 = The Regulations concerning the International Carriage of Dangerous Goods by Rail         RRN = REACH Registration Number         SADT = Self-Accelerating Decomposition Temperature         SVHC = Substances of Very High Concern     <		
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]         CSA = Chemical Safety Report         DMEL = Derived Minimal Effect Level         DNEL = Derived Minimal Effect Level         DPD = Dangerous Substances Directive [79/94/JEC]         DBS = Dangerous Substances Directive [77/94/JEC]         EVE = Caropean Wast Catalogue         GHS = Globally Harmonized System of Classification and Labelling of Chemicals         LAT = International AD mathitme Dangerous Scoots         LogPow = loganithm of the octanol/water partition coefficient         MARPOL 1/27/87 a International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ('Marpol' = marine pollution)         OEC = Organisation for Economic Co-operation and Development         PBT = Persistent, Bloaccumulative and Toxic         PNEC = Predicted No Effect Concentration		
CSA = Chemical Safety Report DMEL = Derived Minimal Effect Level DMEL = Derived Minimal Effect Level DPD = Dangerous Substances Directive [1999/45/EC] DSD = Eurocean Inventory of Existing Commercial chemical Substances ES = Exposure Scenario EUH statement = CLP-specific Hazard statement EWC = European Waste Catalogue GKS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Ari Transport Association IBC = Internetional Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL 73/78 = International Maritime Congerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. (Marpol <sup>1</sup> = marine pollution) DECD = Organisation for Economic Co-operation and Development PBT = Presistent, Bioaccumulative and Toxic PNEC = Prediced No Effect Concentration RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail RRN = REACH Registration Number SADT = Self-Accelerating Decomposition Temperature SVHC = Substances of Very High Concern STOT-RE = Specific Target Organ Toxicity - Repeated Exposure STOT-RE = Specific Target Organ Toxicity - Single Exposure TVA = Time weighted average UW = United Nations UVCB = Complex hydrocarbon substance VOC = Volatile Organic Compound vPWB = Very Persistent and Very Bioaccumulative Full text of classifications Not applicable. Full text of classifications PUT text of classifications Date of revolus issue 14/03/2014.		
CSR = Chemical Safety Report         DMEL = Derived Minimal Effect Level         DPD = Dangerous Substances Directive [1999)45/EC]         DSD = Dangerous Substances Directive [67/548/EEC]         EINECS = European Inventory of Existing Commercial chemical Substances         ES = Exposure Scenario         EUH statement = CLP-specific Hazard statement         EWC = Globally Harmonized System of Classification and Labelling of Chemicals         ATA = International Maritime Dangerous Goods         LogFow = logaritim of the octanol/water partition coefficient         MARPOL 73/78 = International Maritime Dangerous Goods         LogFow = logaritim of the octanol/water partition of Pollution From Ships, 1973 as modified by the Protocol of 1978. (Warpof = marine pollution)         OECD = Organisation for Economic Co-operation and Development         PBT = Persistent, Bioaccumulative and Toxic         PNEC = Predicted No Effect Concentration         RID = Substances of Very High Concern         STOT-RE = Specific Target Organ Toxicity - Repeated Exposure         STOT-RE = Specific Target Organ Toxicity - Single Exposure         VWA = Time weighted average         UN = United Nations         UVCB = Complex hydrocarbon substance         VOC = Volatile Organic Compound         vPus Persistent, Bioccumulative         Full text of abbreviated R       Not applicable. <t< th=""><th></th><th></th></t<>		
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Prepared by Product Stewardship	Date of previous issue	14/03/2014.
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✓ Indicates information that has changed from previously issued version.

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