1. Product Identifier         Mixture           Product Name         Sodium Dodecyl Sulphate (SDS) 20% Solution         American Solution           Product Code         L23100         CAS           CAS Number         Other Names         UPAC           Other Names         UPAC         MECD Number           EC/EINECS         Index-No         Index-No           2. Relevant identified uses of the substance or mixture and uses advised against         For research and laboratory use only.         Index-No           3. Dictails of the supplier of the safety data sheet         Meford Laboratories Ld         Buideston Road Chelsworth         Ipawich           Sufficient in the supplier of the safety data sheet         01449 741178         Index-No           Sufficient in the supplier of the safety data sheet         01449 741178         Index-No           Sufficient in the supplier of the safety data sheet         Index-No         Index-No           Reservery telephone number         Index-No         Index-No         Index-No           4. Emergency telephone number         Index-No         Index-No         Index-No           1. Sistification of the substance or mixture         Index-No         Index-No         Index-No           1. Sistification of the substance or mixture         Index-No         Index-No         Index-No	Sodium Dodecyl	Sulphate (SDS) 20% Soluti	on		
Product Name       Sodium Dodecyl Sulphate (SDS) 20% Solution         Product Code       L23100         CAS Number       Other Names         UPAC       Marco Number         Other Names       IUPAC         MCD Number       Index-No         2. Relevant Identified uses of the substance or mixture and uses advised against         For research and laboratory use only.         3. Datails of the supplier of the safety data sheet         Maitord Laboratories Lid         Bideston Road.Chelsworth         pawich         Suthisk       Telephone:         UK       Email:         Supprive telephone number         +440)1449 741178 -         2. Hazard Identification         1. Classification of the substance or mixture         H315       Skin Inft. 2         H315       Skin Inft. 2         H315       Skin Inft. 2         H316       Causes serious eye damage.         H318       Causes serious eye damage.         H319       Causes serious eye damage.         H319       May cause respiratory intration.					Concentration
Product Name       Sodium Dodecyl Sulphate (SDS) 20% Solution         Product Code       L 23100         CAS Number       Other Names         CLPAC       Marco Number         Other Names       IUPAC         MFCD Number       Index-No         2. Relevant Identified uses of the substance or mixture and uses advised against         For research and laboratory use only.         3. Details of the supplier of the safety data sheet         Molford Laboratories Ltd         Bildeston Road, Chelsworth         pawich         Suffolk       Telephone:         Of1449 741278         UK       Email:         support@meiford.co.uk         4. Emergency telephone number         +44(0)1449 741178 -         2. Hazards Identification         1. Classification of the substance or mixture         H315       Skin Irrit. 2         H316       System Irrit. 2         H317       Status         Signal Word Danger       Signal Word Danger         H315       Causes skin irritation.         H316       Causes skin irritation.         H317       Causes skin irritation.         H318       Causes skin irritation.         H318       Causes skin irritation					
Product Name       Sodium Dodecyl Sulphate (SDS) 20% Solution         Product Code       L23100         CAS Number       Code         CAS Number       Edition         UPAC       Method         MFCD Number       Idex-No         2. Relevant identified uses of the substance or mixture and uses advised against         For research and laboratory use only.         3. Details of the supplier of the safety data sheet         Midded Laboratories Ltd         Bildeston Road, Chelsworth         Ipport@         Suffails         Tellaphone:         01449 741178         2. Hexard's Identification         4. Emergency telephone number         +44(0)1449 741178         2. Hozard's Identification         4. Cassification of the substance or mixture         H315       Sin Irrit. 12         H316       Eye Dam. 1         H335       STOT SE 3         H412       Aquatic Chronic         33       May cause respiratory irritation.         H316       Causes skin irritation.         H317       Causes scious syce damage.         H336       Met cause respiratory irritation.         H318       Causes erious syce damage.         H336	-	7-information-on-ingredients			
Product Name Sodium Dodecyl Sulphate (SDS) 29% Solution Product Code L 23100 CAS Number Other Names UPAC WFCD Number EC/EINECS REACH Number IVAC RECENTING RECENTION Recently use only.		-			
Product Name       Sodium Dodecyl Sulphate (SDS) 20% Solution         Product Code       L23100         CAS Number       Other Names         IUPAC       MFCD Number         EC/EINECS       REACH Number         2. Relevant identified uses of the substance or mixture and uses advised against         For research and laboratory use only.         3. Details of the supplier of the safety data sheet         Melford Laboratories Lid         Bildeston Road,Chelsworth         pswich         TP/TLE         Fax:       01449 74178         Protuct Stelephone number         +4401434 741778-         2. Hazards Identification         1. Classification of the substance or mixture         H315       Skin Irrit. 2         H315       Sin Irrit. 2         H315       Sin Irrit. 2         H316       Eye Dam. 1         H335       STOT SE 3         H412       Aquatic Chronic         Signal Word Danger       Signal word infration.         H316       Causes serious eye damage.         H335       May cause respiratory infration.         H316       Causes serious eye damage.         H335       May cause respiratory infration.         H318			throughout the safety d	ata sheet	
Product Name Sodium Dodecyl Sulphate (SDS) 20% Solution Product Code L23100 CAS Number CAS Number EC/EINECS REACH Number EC/EINECS REACH Number Rearch and laboratory use only.  3. Details of the supplier of the safety data sheet Mefford Laboratories Ltd Bildeston Road, Chelsworth Ipswich Suffork Telephone: 01449 741178 UK Email: support@mefford.co.uk  4. Emergency telephone number +4401449 741178 CAUSE REACH Number EC/EINECS  2. Label elements Signal Word Danger Mark Chronic Signal Word Danger Mark Causes saforus eye damage. H315 Causes saforus eye damage. H315 Causes saforus eye damage. H315 May cause respiratory irritation. H315 Causes saforus eye damage. H335 May cause respiratory irritation. H312 H314 H315 May cause respiratory irritation. H312 H315 May cause respiratory irritation. H312 H314 H315 May cause respiratory irritation. H312 H315 May cause respiratory irritation. H312 H314 H315 May cause respiratory irritation. H312 H314 H315 May cause respiratory irritation. H312 H314 H314 H314 H314 H315 May cause respiratory irritation. H315 May cause fus	3. Other Hazard				
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Product Name       Sodium Dodecyl Sulphate (SDS) 20% Solution         Product Code       L23100         CAS Number       Cas Number         UPAC       MFCD Number         EC/EINECS       REACH Number         ERACH Number       Index-No         2. Relevant identified uses of the substance or mixture and uses advised against         For research and laboratory use only.         3. Details of the supplier of the safety data sheet         Meltord Laboratories Lid         Bildeston Road, Chelsworth         pswich         Sufficik       Telephone:         O1449 741178         VK       Email:         support@meltord.co.uk         4. Emergency telephone number         +44(0)1449 741178 ·         2. Hzards Identification         H315       Skin Intit. 2         H315       Skin Intit. 2         H315       Causes skin irritation.         H315       Causes skin irritation.         H316       Causes skin irita	-		otective clothing/eve	protection/face protection.	
Product Name Sodium Dodecyl Sulphate (SDS) 20% Solution Product Code L23100 CAS Number Other Names IUPAC MFCD Number EC/EINECS REACH Number Index-No    REACH Number REACH Number Index-No      REACH Number Index-No	Precautionary		-		
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Product Name Sodium Dodecyl Sulphate (SDS) 20% Solution Product Code L23100 CAS Number Other Names IUPAC MFCD Number EC/EINECS REACH Number IDE/EINECS REACH Number IDE/EINECS REACH Number IDE/EINECS REACH Number IDE/EINECS IDE	Signal Word <b>D</b>	Danger			
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Product Name       Sodium Dodecyl Sulphate (SDS) 20% Solution         Product Code       L23100         CAS Number       Other Names         Other Names       IUPAC         MFCD Number       EC/EINECS         REACH Number       Index-No         2. Relevant identified uses of the substance or mixture and uses advised against         For research and laboratory use only.         3. Details of the supplier of the safety data sheet         Melford Laboratories Ltd         Bildeston Road, Chelsworth         Ipswich         Suffolk       Telephone:         01449 741178         UK       Email:         support@melford.co.uk         4. Emergency telephone number         +44(0)1449 741178 -         2. Hazards Identification         1. Classificatio- of the substance or mixture         H315       Skin Irrit. 2         H318       Eye Dam. 1	H412				
Product Name       Sodium Dodecyl Sulphate (SDS) 20% Solution         Product Code       L23100         CAS Number       Other Names         Other Names       IUPAC         MFCD Number       EC/EINECS         REACH Number       Index-No         2. Relevant identified uses of the substance or mixture and uses advised against         For research and laboratory use only.         3. Details of the supplier of the safety data sheet         Melford Laboratories Ltd         Bildeston Road, Chelsworth         Ipswich         Suffolk       Telephone:         01449 741178         UK       Email:         support@melford.co.uk         4. Emergency telephone number         +44(0)1449 741178 -         2. Hazards Identification         1. Classification of the substance or mixture         H315       Skin Irrit. 2	H335	STOT SE 3			
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Product Name Sodium Dodecyl Sulphate (SDS) 20% Solution Product Code L23100 CAS Number Other Names IUPAC MFCD Number EC/EINECS REACH Number Index-No 2. Relevant identified uses of the substance or mixture and uses advised against For research and laboratory use only. 3. Details of the supplier of the safety data sheet Melford Laboratories Ltd Bildeston Road, Chelsworth Ipswich Suffolk IEPT/LE Fax: 01449 741178 VK Email: support@melford.co.uk 4. Emergency telephone number +44(0)1449 741178 - 2. Hazards Identification	H315	Skin Irrit. 2			
Product Name       Sodium Dodecyl Sulphate (SDS) 20% Solution         Product Code       L23100         CAS Number       Other Names         IUPAC       MFCD Number         EC/EINECS       Index-No         REACH Number       Index-No         2. Relevant identified uses of the substance or mixture and uses advised against         For research and laboratory use only.         3. Details of the supplier of the safety data sheet         Melford Laboratories Ltd         Bildeston Road,Chelsworth         Ipswich       Telephone:         Suffolk       Telephone:         IP77LE       Fax:         UK       Email:         support@melford.co.uk	1. Classificatio	n of the substance or mix	ture		
Product Name       Sodium Dodecyl Sulphate (SDS) 20% Solution         Product Code       L23100         CAS Number       Other Names         UPAC       MFCD Number         EC/EINECS       Index-No         2. Relevant identified uses of the substance or mixture and uses advised against         For research and laboratory use only.         3. Details of the supplier of the safety data sheet         Melford Laboratories Ltd         Bildeston Road, Chelsworth         Ipswich         Suffolk       Telephone:         01449 741178         IP77LE       Fax:         UK       Email:         4. Emergency telephone number	2. Hazards Ider	ntification			
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Product Name       Sodium Dodecyl Sulphate (SDS) 20% Solution         Product Code       L23100         CAS Number       Other Names         Other Names       IUPAC         MFCD Number       EC/EINECS         REACH Number       Index-No         2. Relevant identified uses of the substance or mixture and uses advised against         For research and laboratory use only.         3. Details of the supplier of the safety data sheet         Melford Laboratories Ltd         Bildeston Road,Chelsworth	Suffolk		-		
Product Name       Sodium Dodecyl Sulphate (SDS) 20% Solution         Product Code       L23100         CAS Number       Other Names         Other Names       IUPAC         MFCD Number       EC/EINECS         REACH Number       Index-No         2. Relevant identified uses of the substance or mixture and uses advised against         For research and laboratory use only.         3. Details of the supplier of the safety data sheet	Bildeston Road				
Product Name       Sodium Dodecyl Sulphate (SDS) 20% Solution         Product Code       L23100         CAS Number       Other Names         Other Names       IUPAC         MFCD Number       EC/EINECS         REACH Number       Index-No         2. Relevant identified uses of the substance or mixture and uses advised against For research and laboratory use only.					
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Product NameSodium Dodecyl Sulphate (SDS) 20% SolutionProduct CodeL23100CAS Number					
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Product Name Sodium Dodecyl Sulphate (SDS) 20% Solution		L23100			
		-	phate (SDS) 20% Solu	Ition	
4. Dreduct Identifier					Mixture
1: Identification of substance / mixture	1 Product Idea	otifior			RA1

### Safety Data Sheet

H315, H318, H335, H412 Aquatic Chronic 3, Eye Dam. <=100% 1, Skin Irrit. 2, STOT SE 3

#### 4. First Aid Measures

#### 1. Description of first aid measures

Skin Contact	P302 + P352: IF ON SKIN: Wash with plenty of soap and water. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Consult a doctor.
Eye Contact	P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Bathe the eye with running water for 15 minutes. Ensure adequate flushing by separating the eyelids with fingers
	Consult a doctor.
Ingestion	Wash out mouth with water. Consult a doctor.
Inhalation	P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Move to fresh air in case of accidental inhalation. Treat symptomatically and supportively. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Consult a doctor.

#### 2. Most important symptoms and effects

No data available

#### 3. Indication of any immediate medical attention

P312: Call a POISON CENTER or doctor/physician if you feel unwell. No data available

#### 5. Firefighting measures

#### 1. Extinguishing Media

Water spray. Carbon dioxide. Dry chemical powder. Alcohol or polymer foam.

Unsuitable

Suitable

able No data available

#### 2. Special Hazards arising from the substance or mixture

No data available

#### **3. Advice for Fire Fighters**

Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

#### 6. Accidental Release Measures

#### **1. Personal Precautions**

Refer to section 8 of SDS for personal protection details.

#### 2. Environmental Precautions

Do not discharge into drains or rivers.

#### 3. Methods & Materials

Absorb into dry earth or sand.

Transfer to a closable, labelled salvage container for disposal by an appropriate method. Clean-up should be dealt with only by qualified personnel familiar with the specific substance.

#### 4. Preventing the occurrence of secondary hazards.

#### Clean up all spills immediately. Wear suitable PPE.

#### 7.Handling and Storage

#### **1. Personal Precautions**

Safe Handling	Avoid direct contact with the substance. Ensure there is exhaust ventilation of the area.	
Protection against explosions and fires	Normal measures for preventive fire protection.	

#### 2. Conditions for safe storage, including any incompatibilities

Managing Storage Risks	Store in cool, well ventilated area.
Storage Controls	Keep container tightly closed.
Maintaining Integrity	No special requirements
Other advice	no further information available

#### 3. Specific End Uses

The end use(s) have not been fully determined. The substance is supplied for Research and Development purposes by professionals only.

#### 8. Exposure Controls/Personal Protection

#### **1. Control Parameters**

No Data Available

#### 2. Exposure Controls

	z. Exposure Controls			
	General protective and hygiene measures	P280: Wear protective gloves/protective clothing/eye protection/face protection. The standard precautionary measures should be adhered to when handling		
	Engineering measures	Ensure there is exhaust ventilation of the area.		
	Eye / Face Protection	Safety Glasses. Ensure eye bath is to hand. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU)		
	Hand protection	Protective gloves. Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it		
	Respiratory protection	P261: Avoid breathing dust/fume/gas/mist/vapours/spray. Respiratory protective device with particle filter. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).		
	Skin protection	Protective clothing. Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.		
	Other personal protection advice	no data		
9. Physical and Chemical Properties				
	1. Physical and Chemical Properties			
	-	-		

# Appearance liquid Odour No Data Available

## Safety Data Sheet

Odour threshold	No Data Available
PH	No Data Available
Melting point / Freezing point	No Data Available
Initial boiling point and boiling range	No Data Available
Flash point	No Data Available
Evaporation rate	No Data Available
Flammability(solid,gas)	No Data Available
Upper/lower flammability or explosive limits	No Data Available
Vapour pressure	No Data Available
Vapour density	No Data Available
Relative density	1.03g/ml at 20°C
Solubility(ies):	No Data Available
Partition coefficient: n-octanol/water	No Data Available
Auto-ignition temperature	No Data Available
Decomposition temperature	No Data Available
Viscosity	No Data Available
Explosive properties	No Data Available
Oxidising properties	No Data Available

#### 2. Other Information

No additional information available

#### 10. Stability and Reactivity

#### 1. Reactivity

No data available

#### 2. Stability

Stable under recommended storage conditions.

#### 3. Possibility of Hazardous Reactions

No data available

#### 4.Conditions to Avoid

No data available

#### 5. Incompatible Materials

Strong oxidizing agents. Bases.

#### 6. Hazardous Decomposition Products

NNo data available

#### 11. Toxicology information

#### 1. Information

Acute Toxicity	Component- Sodium dodecyl sulphate	
	LD50 Oral 1288 mg/kg(Rat) LD50 Dermal 580 mg/kg(Rabbit) LD50 Inhalation 3900 mg/m3 (Rat)-1 h	
Skin corrosion/irritation	No data	
Serious eye Damage/irritation	No data	
Respiratory or skin sensitisation	No data	
Germ Cell mutagenicity	no data	

	-	
Carcinogenicity	not known	
Reproductive toxicity	not known	
STOT-single exposure	not known	
STOT-repeated exposure	not known	
Aspiration hazard	not known	

#### 2. Additional

To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.

#### 12. Ecological Information

#### 1. Toxicity

Component- Sodium dodecyl sulphate

LC50 15-18.9 mg/L Pimephales promelas 96 h LC50 4.06-5.75 mg/L Lepomis macrochirus 96 h LC50 4.2-4.8 mg/L Lepomis macrochirus 96 h LC50 6.2-9.6 mg/LPimephales promelas 96 h LC50= 4.5 mg/L Lepomis macrochirus 96 h LC50= 4.62 mg/L Oncorhynchus mykiss 96 h LC50 10.8-16.6 mg/L Poe cilia reticulate 96 h LC50 22.1-22.8 mg/L Pimephales promelas 96 h LC50= 1.31 mg/L Oncorhynchus mykiss 96 h LC50= 1.31 mg/L Cyprinus carpio 96 h LC50= 7.97 mg/L Brachydanio rerio 96 h

#### 2. Persistence and degradability

No data available

#### 3. Bio-Accumulative Potential

not known

#### 4. Mobility and Soil

not known

#### 5. Results of PBT & vPvB assessment

not known

#### 6. Other adverse effects

not known

#### 13. Disposal Considerations

# **1. Waste Treatment Methods** Disposal Operations Consult state, local or national regulations for proper disposal. Disposal of Packaging Disposal must be made according to official regulations.

#### 14. Transport Information

#### Air (ICAO)

Not classified as hazardous for transport

Road (ADR)

Not classified as hazardous for transport

#### Sea (IMDG)

Not classified as hazardous for transport

#### 15. Safety, health, environmental and national regulations

#### 1. Safety, health, environmental and national regulations:

product is not subject to any additional regulations or provisions

#### 2. Safety Assessment

No Chemical Safety Assessment

#### 16. Other Information

#### 1. Other Information:

ADR: Accord Europeen sur le transport des merchandises Dangereuses par Route(European Agreement concerning the International Carriage of Dangerous Goods by road) RID:Reglement International concernant le transport des merchandises dangereuses par chemin de fer (Regulations concerning the International transport of Dangerous Goods by Rail) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association IATA-DGR: Dangerous Goods Regulations by the International Air Transport Association ICAO:International Civil Aviation Organization ICAO-TI: Technical Instructions by the ICAO GHS: Globally Harmonized System of Classification and Labelling of Chemicals CAS:Chemical Abstracts Service

#### 3. Disclaimer

The product listed is for research and development purposes only and not for human or animal use. As such, in most cases, the toxicological, ecological and physicochemical properties have not been fully determined and the product should be treated with respect and always handled under suitable conditions by appropriately qualified personnel. The responsible party shall use this datasheet only in conjunction with other sources of information gathered by them, and should make an independent judgement of suitability, to ensure proper use and protect the health and safety of employees. This information is furnished without warranty and any use of the product not in conformance with this material safety data sheet, or in combination with any other product or process, is the responsibility of the user.