SAFETY DATA SHEET

PRODUCT NAME: OM 1/15/6

PRODUCT CODE: OM 1/15/6

1.IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

1.1 Product Identifier

TRADE NAME	OM 1/15/6
OTHER NAMES	Dew Dispersant
CHEMICAL SYNONYMS	3-(polyoxyethylene)propylheptamethyltrisiloxane

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

IDENTIFIED USES	Dew Dispersant

1.3 Details of the supplier of the safety data sheet

SUPPLIER:	GBR TECHNOLOGY LTD UNIT 42, EASTER PARK BENYON ROAD SILCHESTER READING, BERKS RG7 2PQ Tel: 0118 9820567 Fax: 0118 9820590
Email address of person responsible	info@gbrtech.co.uk

1.4 Emergency telephone number

SUPPLIER:	0118 9820567
HOURS OF OPERATION:	Monday to Friday 0830 – 17:00 HRS
INFORAMTION LIMITATIONS:	Not applicable

2. HAZARD INDENTIFICATION

2.1 Classification of the substance or mixture

PRODUCT DEFINITION: Substance

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Serious Eye Damage, Category 1	H318: Causes Serious Eye Damage
Chronic Aquatic Toxicity, Category 3	H412: Harmful to aquatic life with long lasting effects

2.2:Label Elements

Pictogram:

SIGNAL WORD:	Danger
HAZARD STATEMENTS:	H318: Causes serious eye damage H412: Harmful to aquatic life with long lasting effects
PRECAUTIONARY STATEMENTS:	Prevention P210: Keep away from heat, hot surfaces, sparks, open flames, and other sources of ignition. No smoking. P261: Avoid breathing spray P271: Use only outdoors or in a well ventilated area. P280: Wear eye protection / face protection. Response P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

3. COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE/MIXTURE:	Substance
CHEMICAL NAME:	Silicone

Product/ingredient name	Identifiers	%	Regulation (EC) No. 1272/2008 [CLP]
3-(polyoxyethylene)propylheptamethyltrisiloxane	REACH# CAS-No: 67674-67-3 EC-No: 614-100-2	10-20%	Acute Toxicity, Cat 4, H332 Serious Eye Damage, Cat 1, H318 Chronic Aquatic Toxicity, Cat 2 H411

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs or vPvBs or have been assigned a workplace exposure limit and hence require reporting in this section.

4. FIRST AID MEASURES

4.1 Description of first aid measures

Eye contact:	Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Check for and remove and contact lenses. Get medical attention immediately.
Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms occur.
Skin contact:	Flush contaminated skin with plenty of water and soap. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion:	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

4.2 Most important symptoms and effects, both acute and delayed

Risks: Causes serious eye damage
Harmful if inhaled

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician: Treat symptomatically and supportively.
No other data available

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Use an extinguishing agent suitable for the surrounding area. Alcohol resistant foam, Carbon Dioxide (CO_2), Water mist.

Unsuitable extinguishing media: Dry Chemical

5.2 Specific hazards arising from the substance or mixture

Specific Hazards during fire fighting: Exposure to combustion products may be a hazard to health. Applying foam will release significant amounts of hydrogen gas that can be trapped under the foam blanket.

Hazardous combustion products: Carbon Oxides
Silicon Oxides
Formaldehyde

5.3 Advice for firefighters

Special precautions for firefighters: Promptly isolate the scene by removing all persons form the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Use water spray to cool unopened containers. Do not allow extinguishing medium to contact container contents. Most fire extinguishing media will cause hydrogen evolution, once the fire is put out hydrogen may accumulate in poorly ventilated or confined areas and result in flash fire or explosion if ignited. Collect contaminated fire extinguishing water separately, this must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Remove undamaged containers from fire areas if it is safe to do so.

Special protective equipment for firefighters: Fire-fighter 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 with provide a basic level of protection for chemical incidents.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment

Follow safe handling advice and personal protective equipment recommendations. .

6.2 Environmental Precautions: Discharge in to the environment must be avoided. Prevent further leakage or spillage if safe to do so.
Prevent spreading over a wide area by containment or barriers
Retain and dispose of contaminated wash water.
Local authorities should be advised if significant spillages cannot be contained.

6.3 Methods and Materials for containment and cleaning up

Spill: Stop leak if without risk. Soak up with absorbent material.

Large Spills: Provide dyking or other appropriate containment to keep material from spreading. If dyked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent.
Recovered material should be stored in a vented container. Local or national regulations may apply to releases and disposal of this material as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable.

6.4. Reference to other sections: See section 13 for additional waste treatment information.

7. HANDLING AND STORAGE

The information in this section contains generic advice and guidance. The list of identified uses in section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

Advice on safe handling: Use with local exhaust ventilation
Do not breathe vapours or spray mist
Do not swallow
Do not get in eyes
Avoid prolonged or repeated contact with skin
Handle in accordance with good industrial hygiene and safety practice
Keep container tightly closed
Keep away from water
Protect stored containers from moisture ingress
Take care to prevent spills, waste and minimize releases to the environment.

Advice on hygiene: Eating, drinking and smoking should be prohibited in the areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. 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 original container protected from direct sunlight in a dry, cool and well ventilated area, away from incompatible materials (see section 10) and food and drink. 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. Do not store in unlabelled containers. Adequately ventilate containers regularly to prevent build-up of hydrogen gas.

7.3 Specific end use(s)
Recommendations:
Industrial sector specific solutions: Not available

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

The information in this section contains generic advice and guidance. The list of identified uses in section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

8.1 Control Parameters — Contains no substances with occupational exposure limit values.

8.2 Exposure Controls

Appropriate Engineering Controls: No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. Minimize workplace exposure concentrations.

Individual Protection Measures

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. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye / Face Protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure.

Skin Protection

Hand Protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Breakthrough time is not determined for this product but change gloves often.

Body Protection: Personal Protective Equipment for the body should be selected based on the task begin performed.

Other Skin Protection: Appropriate footwear and any additional skin protection measures should be selected based on the task begin performed and the risks involved.

Respiratory Protection: Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. Filter type: Particulates type (P)

Environmental Exposure Controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protections legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance

Physical State:	Liquid
Colour:	Clear to Amber
Odour:	Characteristic
Odour Threshold:	Not Available
pH:	Not Available
Melting / Freezing point:	Not Available
Initial Boiling point and boiling range:	100^0C
Flash Point:	>100^oC [closed cup]
Flammability (solid, gas):	Not Applicable
Evaporation Rate:	Not Available
Burning Time:	Not Applicable
Burning Rate:	Not Applicable

Solubility (ies):	Soluble in water
Relative Density:	1.02
Partition Coefficient:	
n-octanol/water:	Not Available
Auto-Ignition Temperature:	Not Available
Decomposition Temperature:	Not Available
Oxidising Properties:	Not Available
Explosive Properties:	Not Explosive
Viscosity:	Not Available

9.2 Other Information
No Additional Information

10. STABILITY AND REACTIVITY

10.1	Reactivity:	Under certain conditions contact with water may liberate highly flammable gases.
10.2	Chemical Stability:	Stable under normal conditions.
10.3	Possibility of hazardous reactions:	Use at elevated temperatures may form highly hazardous compounds. Can react with strong oxidising agents
10.4	Conditions to Avoid:	Exposure to moisture
10.5	Incompatible Materials:	Oxidising agents
10.6	Hazardous decomposition products:	Formaldehyde

11. TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological effects

Acute Toxicity: Harmful if inhaled

Product / Ingredient Name	Result	Species	Dose	Exposure
3-(polyoxyethylene)propyl heptamethyltrisiloxane	LC50 Inhalation dust / mist LD50 Dermal LD50 Oral	Rat Rabbit Rat	2.30 mg/l > 2000 mg / kg > 5050 mg/kg	4 Hours - -

Conclusions: The substance has no acute oral toxicity

Skin Irritation / Corrosion: Not classified based on available information

Serious Eye Damage / Irritation: Causes serious eye damage. Rabbit – Irreversible effects on the eye

Respiratory / Skin Sensitisation: Not classified based on available information

Germ Cell Mutagenicity: Not classified based on available information

Carcinogenicity: Not classified based on available information

Reproductive Toxicity: Not classified based on available information

STOT – Single / repeated: Not classified based on available information

Aspiration Toxicity: Not classified based on available information

Information on the likely routes of exposure: Routes of entry anticipated: Inhalation, Skin Contact, Ingestion

Potential acute health effects:

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Product / Ingredient Name	Result	Species	Dose	Exposure
3-(polyoxyethylene)propyl heptamethyltrisiloxane	LC50 EC50	Fish Daphnia	> 1-10 mg/L > 1-10 mg/L	96h 48h

Conclusion / Summary: Toxic to aquatic life with long lasting effects

12.2 Persistence and degradability

Conclusion / Summary: Not Available

12.3 Bioaccumulative Potential

Not Available

12.4 Mobility in Soil

Soil /water partition coefficient (K_{oc}): Not Available

Mobility: Not Available

12.5 Results of PBT and vPvB assessment

PBT: Not Applicable

vPvB: Not Applicable

12.6 Other adverse effects: No known significant effects or critical hazards

13. DISPOSAL CONSIDERATIONS

The information in this section contains generic advice and guidance. The list of identified uses in section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste Treatment Methods

Product: Dispose of in accordance with local regulations. According to the European waste catalogue, waste codes are not product specific but application specific. Waste codes should be assigned by the user, preferably in discussion with waste disposal authorities.

Packaging: Dispose of as unused product. Empty containers should be taken to an approved waste handling site or recycling or disposal.

14. TRANSPORT INFORMATION

	ADR / RID	AND / ADNR	IMDG	IATA
14.1 UN Number	Not Regulated	Not Regulated	Not Regulated	Not Regulated
14.2 Proper Shipping Name	-	-	-	-
14.3 Transport Hazard Class(es)	-	-	-	-

14.4 Packing Group	-	-	-	-
14.5 Environmental Hazards	No	No	No	No
14.6 Special Precautions for user	Not Available	Not Available	Not Available	Not Available
Additional Information	-	-	-	-

14.7 Transport in Bulk according To Annex II of MARPOL 73/78 and The IBC Code: Not Applicable for product as supplied

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture
Seveso II – Directive 2003/105/EC amending Council Directive 96/82/EC on the control of major accident hazards involving dangerous substances.

9b Dangerous for the environment

Seveso III- Directive 2012/18/EU of the European parliament and of the council on the control of major-accident hazards involving dangerous substances.

E2 Environmental Hazards

The key components in this product are reported in the following inventories:

KECI:	All ingredients listed, exempted or notified
REACH:	All ingredients (pre-)registered of exempted
TSCA:	All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.
AICS:	All ingredients listed or exempted.
IECSC:	All ingredients listed or exempted.
ENCS/ISHL:	All components listed or exempted.
PICCS:	All ingredients listed or exempted.
DSL:	All chemical substances in this product comply with the CEPA 1999 and NSNR and are on or exempt from listing on the Canadian Domestic Substances List.
NZIoC:	All ingredients listed or exempted

15.2 Chemical Safety Assessment: No Data Available

16. OTHER INFORMATION

***Indicates** information that has changed from previously issued version

Abbreviations and Acronyms: Available upon request
Key Literature references and sources for data: Available upon request

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Serious Eye Damage, Category 1	H318: Causes Serious Eye Damage
Chronic Aquatic Toxicity, Category 3	H412: Harmful to aquatic life with long lasting effects

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]
Internal Technical, data from raw material SDSs, OECD eChem Portal Search results and European Chemical Agency.

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Date of Previous Issue Version:	-
Version:	1
Prepared by:	
For Copy of SDS:	Email: info@gbrtech.co.uk 0118 9820 567
For product Safety Information:	Email: info@gbrtech.co.uk 0118 9820 567

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