



# Safety Data Sheet

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

OSMADEGREASING CLEANER N° 1  
Supersedes Date: 31-Aug-2018

Revision Date 08-Jun-2018  
Revision Number 1.03

## Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product Identifier

Product Name	OSMA DEGREASING CLEANER N° 1
Pure substance/mixture	Substance
EC No.	201-159-0
CAS No.	78-93-3
REACH Registration Number	01-2119457290-43-xxxx

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

Recommended use	Solvent mixture.
Uses advised against	None known

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

#### Company Name

Bostik Limited  
Common Rd  
ST16 3EH  
Stafford UK  
Tel: +44 (1785) 27 26 25  
Fax: +44 (1785) 25 72 36

E-mail address SDS.box-EU@bostik.com

### 1.4. Emergency telephone number

United Kingdom	+44 (1785) 272650
Ireland	+353 (1) 8624900 (Monday- Friday 9am-5pm)

## Section 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

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

Serious eye damage/eye irritation	Category 2 - (H319)
Specific target organ toxicity (single exposure)	Category 3 - (H336)
Flammable liquids	Category 2 - (H225)

### 2.2. Label Elements

#### Labeling according to Regulation (EC) No. 1272/2008 [CLP]

Contains Methyl ethyl ketone

United Kingdom, Ireland - EN

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**Signal word**  
DANGER

## **Hazard statements**

H319 - Causes serious eye irritation  
H336 - May cause drowsiness or dizziness  
H225 - Highly flammable liquid and vapor

## **EU Specific Hazard Statements**

EUH066 - Repeated exposure may cause skin dryness or cracking

## **Precautionary statements**

P101 - If medical advice is needed, have product container or label at hand  
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking  
P264 - Wash hands thoroughly after handling  
P271 - Use only outdoors or in a well-ventilated area  
P280 - Wear protective gloves and eye/face protection  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed  
P501 - Dispose of contents/ container to an approved waste disposal plant

## **Additional information**

This product requires tactile warnings if supplied to the general public

## **2.3. Other Hazards**

### **General Hazards**

In use may form flammable/explosive vapor-air mixture.

### **PBT and vPvB assessment**

The components in this formulation do not meet the criteria for classification as PBT or vPvB

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## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

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Chemical Name	EC No.	CAS No.	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	REACH Registration Number
Methyl ethyl ketone	201-159-0	78-93-3	80 - 100	Eye Irrit. 2 (H319) (EUH066) STOT SE 3 (H336) Flam. Liq. 2 (H225)		01-2119457290-43-XXXX

Full text of H- and EUH-phrases: see section 16

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

### 3.2. Mixtures

Not applicable

## Section 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

<b>General Advice</b>	If medical advice is needed, have product container or label at hand.
<b>Inhalation</b>	Remove to fresh air.
<b>Skin Contact</b>	Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
<b>Eye contact</b>	Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
<b>Ingestion</b>	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
<b>Self-Protection of the First Aider</b>	Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

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

**Symptoms** None known.

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

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**Note to physicians**                      Treat symptomatically.

## **Section 5: FIRE-FIGHTING MEASURES**

### **5.1. Extinguishing media**

#### **Suitable Extinguishing Media**

Use CO<sub>2</sub>, dry chemical, or foam. Move containers from fire area if you can do it without risk.

#### **Unsuitable Extinguishing Media**

Use water spray or fog; do not use straight streams

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

Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

### **5.3. Advice for firefighters**

Wear self contained breathing apparatus for fire fighting if necessary.

## **Section 6: ACCIDENTAL RELEASE MEASURES**

### **6.1. Personal precautions, protective equipment and emergency procedures**

#### **Personal Precautions**

Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas.

Water spray may reduce vapor; but may not prevent ignition in closed spaces.

#### **For emergency responders**

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

### **6.2. Environmental precautions**

Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

### **6.3. Methods and material for containment and cleaning up**

#### **Methods for Containment**

Dike far ahead of spill; use dry sand to contain the flow of material. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

#### **Methods for cleaning up**

Use clean non-sparking tools to collect absorbed material. Dike far ahead of spill for later disposal.

### **6.4. Reference to other sections**

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**Reference to other sections** See Section 12: ECOLOGICAL INFORMATION  
Section 7: HANDLING AND STORAGE  
Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

## Section 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

#### Advice on safe handling

Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Take precautionary measures against static charges. Use explosion-proof electrical/ ventilating/ lighting/ equipment.

#### General Hygiene Considerations

Do not eat, drink or smoke when using this product. Regular cleaning of equipment, work area and clothing is recommended.

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

#### Storage Conditions

Keep only in the original container/package in a cool well-ventilated place.

### 7.3. Specific end use(s)

#### Other Information

Observe technical data sheet.

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Chemical Name	European Union	Ireland	United Kingdom
Methyl ethyl ketone 78-93-3	TWA: 200 ppm TWA: 600 mg/m <sup>3</sup> STEL: 300 ppm STEL: 900 mg/m <sup>3</sup>	TWA: 200 ppm TWA: 600 mg/m <sup>3</sup> STEL: 300 ppm STEL: 900 mg/m <sup>3</sup> Sk*	TWA: 200 ppm TWA: 600 mg/m <sup>3</sup> STEL: 300 ppm STEL: 899 mg/m <sup>3</sup> Sk*

Chemical Name	European Union	Ireland	United Kingdom
Methyl ethyl ketone 78-93-3	-	-	70

**Derived No Effect Level (DNEL)** No information available

**Predicted No Effect Concentration (PNEC)** No information available.

### 8.2. Exposure controls

**Engineering Controls** Ensure adequate ventilation, especially in confined areas.

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## Personal Protective Equipment

<b>Eye/Face Protection</b>	Tight sealing safety goggles. Face protection shield.
<b>Hand Protection</b>	Wear protective gloves. The breakthrough time of the gloves depends on the material and the thickness as well as the temperature.
<b>Skin and Body Protection</b>	Antistatic footwear. Wear fire/flamm resistant/retardant clothing. Gloves made of plastic or rubber. Suitable protective clothing. Apron.
<b>Respiratory Protection</b>	In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit. In case of inadequate ventilation wear respiratory protection.

**Environmental Exposure Controls** Do not allow into any sewer, on the ground or into any body of water.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

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

<b>Physical State</b>	Liquid
<b>Appearance</b>	Liquid
<b>Color</b>	Clear
<b>Odor</b>	Solvent
<b>Odor Threshold</b>	No information available

<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>
<b>pH</b>	No information available	
<b>Melting point /freezing point</b>	-86 °C / -122.8 °F	
<b>Boiling point / boiling range</b>	79 °C / 174.2 °F	
<b>Flash Point</b>	-6 °C / 21.2 °F	
<b>Evaporation Rate</b>	No information available	
<b>Flammability (solid, gas)</b>	No information available	
<b>Flammability Limit in Air</b>		
Upper flammability or explosive limits	No information available	
Lower flammability or explosive limits	No information available	
<b>Vapor Pressure</b>	10.4	kPa
<b>Vapor Density</b>	No information available	
<b>Relative Density</b>	No information available	
<b>Water Solubility</b>	No information available	
<b>Solubility in Other Solvents</b>	No information available	
<b>Partition coefficient</b>	No information available	
<b>Autoignition Temperature</b>	404 °C / 759.2 °F	
<b>Decomposition Temperature</b>	No information available	
<b>Explosive Properties</b>	No information available	
<b>Oxidizing Properties</b>	No information available	
<b>Kinematic Viscosity</b>	No information available	0.51 mm <sup>2</sup> /s @ 20 °C @ 40°C

**Dynamic Viscosity** No information available

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## 9.2 Other Information

Softening Point	No information available
Molecular Weight	No information available
Solvent content (%)	No information available
Solid content (%)	No information available
Density	6.71 LB/GAL
Bulk Density	No data available
VOC (volatile organic compound)	No information available

## Section 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

Stable under recommended storage conditions.

### 10.2. Chemical stability

Stable under recommended storage conditions.

#### Explosion Data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge May be ignited by friction, heat, sparks or flames.

### 10.3. Possibility of hazardous reactions

#### **Possibility of Hazardous Reactions**

None under normal processing.

### 10.4. Conditions to avoid

Keep away from heat, sparks and flames.

### 10.5. Incompatible materials

Strong acids and bases.

### 10.6. Hazardous decomposition products

None under normal use conditions.

## Section 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### Information on likely routes of exposure

#### **Product Information**

No information or data specific to the product on this toxicological (health) effect is available.

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**Inhalation** No data available.  
**Eye contact** Severely irritating to eyes.  
**Skin Contact** No data available.  
**Ingestion** No data available.  
**Sensitization** No data available.

## Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Skin Corrosion/Irritation** Not applicable.  
**Serious Eye Damage/Eye Irritation** Not applicable.  
**Sensitization** Not applicable.  
**Germ Cell Mutagenicity** Not applicable.  
**Carcinogenicity** Not applicable.  
**Reproductive Toxicity** No information available.  
**STOT - single exposure** Based on available data, the classification criteria are not met.  
**STOT - repeated exposure** Based on available data, the classification criteria are not met.  
**Target Organ Effects** Central nervous system, Eyes, Respiratory system, Skin.  
**Aspiration hazard** Based on available data, the classification criteria are not met.

## Numerical measures of toxicity

### Acute Toxicity

The following values are calculated based on chapter 3.1 of the GHS document  
ATEmix (oral) 2,483.00 mg/kg

## Component Information

**Toxicity Data** Data obtained on the component(s) include

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Methyl ethyl ketone 78-93-3	= 2483 mg/kg ( Rat )	= 5000 mg/kg ( Rabbit )	= 11700 ppm ( Rat ) 4 h



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## Section 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

Ecotoxicity No information available

### Component Information

Data obtained on the component(s) include

Chemical Name	Algae/aquatic plants	Fish	Crustacea	M-Factor
Methyl ethyl ketone 78-93-3	EC50=1972 mg/l (Pseudokirchneriella subcapitata)	LC50: 3130 - 3320mg/L (96h, Pimephales promelas)	EC50 48 h > 308 mg/L (Daphnia magna )	

### 12.2. Persistence and degradability

No information available.

### 12.3. Bioaccumulative potential

No information available.

Partition coefficient No information available

### 12.4. Mobility in soil

Mobility in soil No information available.

### 12.5. Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

Chemical Name	PBT and vPvB assessment
Methyl ethyl ketone 78-93-3	The substance is not PBT / vPvB

### 12.6. Other adverse effects

No information available

### Endocrine Disruptor Information

This product does not contain any known or suspected endocrine disruptors.

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## Section 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

<b>Waste from Residues/Unused Products</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated Packaging</b>	Improper disposal or reuse of this container may be dangerous and illegal.
<b>European Waste Catalog</b>	08 04 09*
<b>Other Information</b>	Waste codes should be assigned by the user based on the application for which the product was used.

## Section 14: TRANSPORT INFORMATION

### Land transport (ADR/RID)

<b>14.1 UN Number</b>	UN1193
<b>14.2 Proper Shipping Name</b>	Ethyl methyl ketone
<b>14.3 Transport hazard class(es)</b>	3
<b>Labels</b>	3
<b>14.4 Packing Group</b>	II
<b>Description</b>	UN1193, Ethyl methyl ketone, 3, II, (D/E)
<b>14.5 Environmental hazards</b>	Not applicable
<b>14.6 Special Provisions</b>	None
<b>Classification Code</b>	F1
<b>Tunnel Restriction Code</b>	(D/E)
<b>Limited Quantity (LQ)</b>	1 L
<b>ADR Hazard Id (Kemmler Number)</b>	33

### IMDG

<b>14.1 UN Number</b>	UN1193
<b>14.2 Proper Shipping Name</b>	Ethyl methyl ketone
<b>14.3 Transport hazard class(es)</b>	3
<b>14.4 Packing Group</b>	II
<b>Description</b>	UN1193, Ethyl methyl ketone, 3, II, (-6°C c.c.)
<b>14.5 Marine Pollutant</b>	Np
<b>14.6 Special Provisions</b>	None
<b>Limited Quantity (LQ)</b>	1 L
<b>EmS-No.</b>	F-E, S-D
<b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	No information available

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

<b>14.1 UN Number</b>	UN1193
<b>14.2 Proper Shipping Name</b>	Ethyl methyl ketone

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14.1 Transport hazard class(es)	3
14.2 Packing Group	II
Description	UN1193, Ethyl methyl ketone, 3, II
14.3 Environmental hazards	Not applicable
14.4 Special Provisions	None
Limited Quantity (LQ)	1 L
ERG Code	3L

## Section 15: REGULATORY INFORMATION

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Check whether measures in accordance with Directive 94/33/EC for the protection of young people at work must be taken.

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

#### Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006)

##### **EU-REACH (1907/2006) - Candidate List of Substances of Very High Concern (SVHC) for Authorization in accordance with Article 59**

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

##### **EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction**

This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

##### **EU-REACH (1907/2006) - Annex XIV - List of substances subject to Authorization**

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

##### **Dangerous substance category per Seveso Directive (2012/18/EU)**

P5a - FLAMMABLE LIQUIDS  
or  
P5b - FLAMMABLE LIQUIDS  
or  
P5c - FLAMMABLE LIQUIDS

##### **Ozone-depleting substances (ODS) regulation (EC) 1005/2009**

Not applicable

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**Persistent Organic Pollutants**  
Not applicable

## 15.2. Chemical safety assessment

### **Section 16: OTHER INFORMATION**

#### Key or legend to abbreviations and acronyms used in the safety data sheet

#### Full text of H-Statements referred to under section 3

H319 - Causes serious eye irritation  
H336 - May cause drowsiness or dizziness  
H225 - Highly flammable liquid and vapor  
EUH066 - Repeated exposure may cause skin dryness or cracking

#### **Legend**

SVHC: Substances of Very High Concern for Authorization:

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

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

PBT Persistent, Bioaccumulative, and Toxic (PBT) Chemicals  
STOT (RE): Specific target organ toxicity - Repeated exposure  
STOT (SE): Specific target organ toxicity - Single exposure  
EWC: European Waste Catalog

#### **Key Literature References and Sources for Data**

Classification and labeling data calculated from data received from raw material suppliers

**Prepared By** Product Safety & Regulatory Affairs

**Revision Date** 08-Jun-2018

#### Indication of changes

**Revision Note** Not applicable.

**Training Advice** Provide adequate information, instruction, and training for operator

**Further information** No information available

**This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**

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## **Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**