

CLEANER M501
Supersedes Date: 29-Jun-2016

Revision Date 31-Aug-2018
Revision Number 1.02

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING
1.1. Product Identifier

Product Name CLEANER M501
Pure substance/mixture Mixture

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

Recommended use Solvent mixture.
Uses advised against Consumer use

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]

Aspiration hazard	Category 1 - (H304)
Skin Corrosion/Irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 2 - (H319)
Reproductive toxicity	Category 2 - (H361)
Specific target organ toxicity (single exposure)	Category 3 - (H336)
Specific target organ toxicity (repeated exposure)	Category 2 - (H373)
Chronic aquatic toxicity	Category 2 - (H411)
Flammable liquids	Category 2 - (H225)

2.2. Label Elements

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

Contains Toluene, Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics, Hydrocarbons, C6, isoalkanes, <5% n-hexane, Methyl ethyl ketone

Safety Data Sheet

CLEANER M501
Supersedes Date: 29-Jun-2016

Revision Date 31-Aug-2018
Revision Number 1.02



Signal word
DANGER

Hazard statements

H319 - Causes serious eye irritation
H315 - Causes skin irritation
H336 - May cause drowsiness or dizziness
H304 - May be fatal if swallowed and enters airways
H373 - May cause damage to organs through prolonged or repeated exposure
H411 - Toxic to aquatic life with long lasting effects
H361d - Suspected of damaging the unborn child
H225 - Highly flammable liquid and vapour

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
P260 - Do not breathe mist/vapours/spray
P273 - Avoid release to the environment
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor
P331 - Do NOT induce vomiting
P391 - Collect spillage
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed
P235 - Keep cool

Additional information

This product requires child resistant fastenings if supplied to the general public
This product requires child resistant fastenings when supplied to the general public unless the product is placed on the market in the form of aerosols or in a container with a sealed spray attachment

2.3. Other Hazards

General Hazards

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

PBT and vPvB assessment

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Mixture

3.2 Mixtures

Chemical Name	EC No.	CAS No.	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	REACH Registration Number
Toluene	203-625-9	108-88-3	40 - <80	Skin Irrit. 2 (H315) Repr. 2 (H361d) STOT SE 3 (H336)		01-2119471310-51-XXXX

Safety Data Sheet

CLEANER M501
Supersedes Date: 29-Jun-2016

Revision Date 31-Aug-2018
Revision Number 1.02

				STOT RE 2 (H373) Asp. Tox. 1 (H304) Flam. Liq. 2 (H225)		
Methyl ethyl ketone	201-159-0	78-93-3	15 - 25	Eye Irrit. 2 (H319) (EUH066) STOT SE 3 (H336) Flam. Liq. 2 (H225)		01-2119457290-43 -XXXX
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	927-510-4	--	15 - 25	STOT SE 3 (H336) Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Aquatic Chronic 2 (H411) Flam. Liq. 2 (H225)		01-2119475515-33 -xxxx
Hydrocarbons, C6, isoalkanes, <5% n-hexane	931-254-9	--	10 - <20	STOT SE 3 (H336) Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Aquatic Chronic 2 (H411) Flam Liq. 2 (H225) (EUH066)		01-2119484651-34 -XXXX

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

Note: ^ indicates not classified, however, the substance is listed in section 3 as it has an OEL.

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)

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

General Advice	If medical advice is needed, have product container or label at hand.
Inhalation	Remove to fresh air. If symptoms persist, call a doctor.
Skin Contact	Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
Eye contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If eye irritation persists: Get medical advice/attention.
Ingestion	Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Seek medical advice immediately.
Self-Protection of the First Aider	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	Irritating to eyes. Irritating to skin. Drowsiness. Dizziness.
-----------------	--

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

Note to doctors	Aspiration into lungs can produce severe lung damage. Observe risk of aspiration if vomiting occurs.
------------------------	--

Section 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media

Safety Data Sheet

CLEANER M501
Supersedes Date: 29-Jun-2016

Revision Date 31-Aug-2018
Revision Number 1.02

Use CO2, dry chemical, or foam. Move containers from fire area if you can do it without risk.

Unsuitable Extinguishing Media

Do not use a solid water stream as it may scatter and spread fire

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 vapour; 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

Collect spillage. Keep out of drains, sewers, ditches and waterways.

6.3. Methods and material for containment and cleaning up

Methods for Containment

Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Dyke to collect large liquid spills. Soak up with inert absorbent material. Take up mechanically, placing in appropriate containers for disposal. Use clean non-sparking tools to collect absorbed material.

6.4. Reference to other sections

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. Use personal protection recommended in Section 8.

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)

Specific Use(s)

Safety Data Sheet

CLEANER M501
Supersedes Date: 29-Jun-2016

Revision Date 31-Aug-2018
Revision Number 1.02

Solvent mixture.

Other Information
Observe technical data sheet.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Chemical Name	European Union	Ireland	United Kingdom
Toluene 108-88-3	TWA: 50 ppm TWA: 192 mg/m ³ *	TWA: 50 ppm TWA: 192 mg/m ³ STEL: 384 mg/m ³ STEL: 100 ppm Sk*	TWA: 50 ppm TWA: 191 mg/m ³ STEL: 100 ppm STEL: 384 mg/m ³ Sk*
Methyl ethyl ketone 78-93-3	TWA: 200 ppm TWA: 600 mg/m ³ STEL: 300 ppm STEL: 900 mg/m ³	TWA: 200 ppm TWA: 600 mg/m ³ STEL: 300 ppm STEL: 900 mg/m ³ Sk*	TWA: 200 ppm TWA: 600 mg/m ³ STEL: 300 ppm STEL: 899 mg/m ³ 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.

Personal Protective Equipment

Eye/Face Protection	Tight sealing safety goggles. Face protection shield.
Hand Protection	Wear protective gloves. The breakthrough time of the gloves depends on the material and the thickness as well as the temperature.
Skin and Body Protection	Antistatic footwear. Wear fire/flame resistant/retardant clothing. Wear appropriate personal protective clothing to prevent skin contact.
Respiratory Protection	In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit. In case of inadequate ventilation wear respiratory protection.
Recommended filter type:	Organic gases and vapours filter conforming to EN 14387.

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

Physical State	Liquid
Appearance	Liquid
Colour	Amber
Odour	Characteristic
Odour Threshold	No information available

Property	Values	Remarks • Method
pH	No information available	
Melting point / freezing point	No information available	
Boiling point / boiling range	= 40 °C / 104 °F	
Flash Point	= -25 °C / -13 °F	
Evaporation Rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limit in Air		
Upper flammability or explosive	No information available	

Safety Data Sheet

CLEANER M501
Supersedes Date: 29-Jun-2016

Revision Date 31-Aug-2018
Revision Number 1.02

limits	
Lower flammability or explosive limits	No information available
Vapour Pressure	No information available
Vapour Density	No information available
Relative Density	0.785
Water Solubility	Miscible in water
Solubility in Other Solvents	Organic solvents
Partition coefficient	No information available
Autoignition Temperature	No information available
Decomposition Temperature	No information available
Explosive Properties	No information available
Oxidising Properties	No information available
Kinematic Viscosity	No information available

Dynamic Viscosity No information available

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	No data available
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

Carbon oxides.

Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Information on likely routes of exposure

Safety Data Sheet

CLEANER M501
Supersedes Date: 29-Jun-2016

Revision Date 31-Aug-2018
Revision Number 1.02

Product Information

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

Inhalation	No data available.
Eye contact	Severely irritating to eyes.
Skin Contact	Irritating to skin.
Ingestion	Potential for aspiration if swallowed. Aspiration may cause pulmonary edema and pneumonitis.
Sensitisation	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.
Sensitisation	Not applicable.
Germ Cell Mutagenicity	Not applicable.
Carcinogenicity	Not applicable.
Reproductive Toxicity	Contains a known or suspected reproductive toxin.
STOT - single exposure	Based on available data, the classification criteria are not met.
STOT - repeated exposure	Causes damage to organs through prolonged or repeated exposure.
Target Organ Effects	Central nervous system, Eyes, Kidney, Liver, Respiratory system, Skin.
Aspiration hazard	Risk of serious damage to the lungs (by aspiration). May be fatal if swallowed and enters airways.

Numerical measures of toxicity

Acute Toxicity

The following values are calculated based on chapter 3.1 of the GHS document mg/kg

Component Information

Toxicity Data Data obtained on the component(s) include

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Toluene 108-88-3	= 5580 mg/kg (Rat)	= 12000 mg/kg (Rabbit)	> 20 mg/L (Rat) 4 h
Methyl ethyl ketone 78-93-3	= 2483 mg/kg (Rat)	= 5000 mg/kg (Rabbit)	= 11700 ppm (Rat) 4 h
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics --	LD50 >5840 mg/kg Rat	LD50 >2920 mg/kg (Rat)	-
Hydrocarbons, C6, isoalkanes, <5% n-hexane --	>16750 mg/Kg (rat)	>3350 mg/Kg (rabbit OECD 402)	259354 mg/m ³ (vapour) (rat OECD 403)

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Safety Data Sheet

CLEANER M501
Supersedes Date: 29-Jun-2016

Revision Date 31-Aug-2018
Revision Number 1.02

Ecotoxicity Toxic to aquatic life with long lasting effects

Component Information

Data obtained on the component(s) include

Chemical Name	Algae/aquatic plants	Fish	Crustacea	M-Factor
Toluene 108-88-3	EC50 72 h = 12.5 mg/L (Pseudokirchneriella subcapitata)	LC50 96 h 5.89 - 7.81 mg/L (Oncorhynchus mykiss flow-through) LC50 96 h = 5.8 mg/L (Oncorhynchus mykiss semi-static)	EC50: 5.46 - 9.83mg/L (48h, Daphnia magna) EC50: =11.5mg/L (48h, Daphnia magna)	
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)	
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics --	-	-	EL50 (48h) =3mg/L Daphnia	
Hydrocarbons, C6, isoalkanes, <5% n-hexane --	13.6 mg/l (Pseudokirchneriella subcapitata)	18.3 mg/l (Oncorhynchus mykiss)	31.9 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

Chemical Name	PBT and vPvB assessment
Toluene 108-88-3	The substance is not PBT / vPvB PBT assessment does not apply
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.

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from Residues/Unused Products Dispose of wastes in an approved waste disposal facility.

Safety Data Sheet

CLEANER M501
Supersedes Date: 29-Jun-2016

Revision Date 31-Aug-2018
Revision Number 1.02

Contaminated Packaging	Improper disposal or reuse of this container may be dangerous and illegal.
European Waste Catalogue	08 04 09* waste adhesives and sealants containing organic solvents or other dangerous substances
Other Information	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)

14.1 UN Number	UN1263
14.2 Proper Shipping Name	Paint, Environmentally Hazardous
14.3 Transport hazard class(es)	3
Labels	3
14.4 Packing Group	II
Description	UN1263, Paint, 3, II, (D/E), Environmentally Hazardous
14.5 Environmental hazards	Yes
14.6 Special Provisions	163, 640C, 650, 367
Classification Code	F1
Tunnel restriction code	(D/E)
Limited Quantity (LQ)	5 L
ADR Hazard Id (Kemmler Number)	33

IMDG

14.1 UN Number	UN1263
14.2 Proper Shipping Name	Paint (Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics), Marine Pollutant
14.3 Transport hazard class(es)	3
14.4 Packing Group	II
Description	UN1263, Paint (Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics), 3, II, (-25°C c.c.), Marine Pollutant
14.5 Marine Pollutant	P
14.6 Special Provisions	163, 367
Limited Quantity (LQ)	5 L
EmS-No.	F-E, S-E
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No information available

Air transport (ICAO-TI / IATA-DGR)

14.1 UN Number	UN1263
14.2 Proper Shipping Name	Paint
14.3 Transport hazard class(es)	3
14.4 Packing Group	II
Description	UN1263, Paint, 3, II
14.5 Environmental hazards	Yes
14.6 Special Provisions	A3, A72, A192
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.

Safety Data Sheet

CLEANER M501
Supersedes Date: 29-Jun-2016

Revision Date 31-Aug-2018
Revision Number 1.02

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 contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

Chemical Name	CAS No.	Restricted substance per REACH Annex XVII
Toluene	108-88-3	48.

48 . Reserved for industrial and professional use. Adhesives or spray paint shall not be placed on the market containing above substance equal to or greater than 0.1% where supplied to the general public.

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

This product does not contain substances subject to authorisation (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
E2 - Hazardous to the Aquatic
Environment in Category Chronic 2

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

Not applicable

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

H315 - Causes skin irritation
H361d - Suspected of damaging the unborn child
H336 - May cause drowsiness or dizziness
H373 - May cause damage to organs through prolonged or repeated exposure
H304 - May be fatal if swallowed and enters airways
H225 - Highly flammable liquid and vapour
H319 - Causes serious eye irritation
H411 - Toxic to aquatic life with long lasting effects
EUH066 - Repeated exposure may cause skin dryness or cracking

Legend

SVHC: Substances of Very High Concern for Authorisation:

Legend SECTION 8: Exposure controls/personal protection

Safety Data Sheet

CLEANER M501

Supersedes Date: 29-Jun-2016

Revision Date 31-Aug-2018

Revision Number 1.02

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 Catalogue			

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 31-Aug-2018

Indication of changes

Revision Note SDS sections updated: 2, 8, 9.

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

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