



SAFETY DATA SHEET
BRUSH MATE FLUID (including VAPOUR MATE impregnated pads)

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name Brush Mate Fluid

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

Identified uses Solvent for Commercial Use

1.3. Details of the supplier of the safety data sheet

Supplier Gordon Products Ltd
100 Main Street
Frodsham
Cheshire
WA6 7AR, UK
+44 (0)1928 732 158 (Tel)
+44 (0)1928 739 710 (Fax)

Contact Person info@brushmate.co.uk

1.4. Emergency telephone number

0207 405 5375 (National Chemical Emergency Centre)
0870 190 6777 (National Chemical Emergency Centre)
+44 (0)1270 502891

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards Flam. Liq. 3 - H226
Human health EUH066;Acute Tox. 4 - H312;Eye Dam. 1 - H318;Skin Sens. 1 - H317;Carc. 2 - H351;STOT SE 3 - H336;Asp. Tox. 1 - H304
Environment Aquatic Chronic 2 - H411

Classification (1999/45/EEC) Xn;R21, R65. Carc. Cat. 3;R40. Xi;R41. R43. N;R51/53. R10, R66, R67.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Environment

The product contains a substance which may cause long term adverse effects in the aquatic environment.

2.2. Label elements

Contains ETHYL METHYL KETOXIME
Hydrocarbons, C9-12, n-alkanes, isoalkanes, cyclics, (2-25%) aromatics

Label In Accordance With (EC) No. 1272/2008



Signal Word Danger

Brush Mate Fluid

Hazard Statements

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H411	Toxic to aquatic life with long lasting effects.

Precautionary Statements

P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P260	Do not breathe vapour/spray.
P262	Do not get in eyes, on skin, or on clothing.
P301+310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P331	Do NOT induce vomiting.
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. The material and container must be disposed of as hazardous waste.

Supplemental label information

EUH066	Repeated exposure may cause skin dryness or cracking.
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2.3. Other hazards

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

ETHYL METHYL KETOXIME	25-75%
CAS-No.: 96-29-7	EC No.: 202-496-6
Classification (EC 1272/2008) Acute Tox. 4 - H312 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Carc. 2 - H351	Classification (67/548/EEC) Carc. Cat. 3;R40 Xn;R21 R43 Xi;R41
Hydrocarbons, C9-12, n-alkanes, isoalkanes, cyclics, (2-25%) aromatics	25-75%
CAS-No.:	EC No.: 919-446-0
	Registration Number: 01-2119458049-33-xxxx
Classification (EC 1272/2008) Flam. Liq. 3 - H226 EUH066 STOT SE 3 - H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	Classification (67/548/EEC) Xn;R65. N;R51/53. R10,R66,R67.
HYDROCARBONS, C9, aromatics	5-12%
CAS-No.:	EC No.: 918-668-5
	Registration Number: 01-2119455851-35-xxxx
Classification (EC 1272/2008) Flam. Liq. 3 - H226 EUH066 STOT SE 3 - H335, H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	Classification (67/548/EEC) Xn;R65. Xi;R37. N;R51/53. R10,R66,R67.

Brush Mate Fluid

BUTANOL-norm		5-12%
CAS-No.: 71-36-3	EC No.: 200-751-6	Registration Number: 01-2119484630-38-xxxx
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT SE 3 - H335 STOT SE 3 - H336	Classification (67/548/EEC) R10 Xn;R22 Xi;R37/38,R41 R67	
CYCLOHEXANONE		1-6%
CAS-No.: 108-94-1	EC No.: 203-631-1	Registration Number: 01-2119453616-35-xxxx
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Acute Tox. 4 - H332	Classification (67/548/EEC) R10 Xn;R20	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Composition Comments

Benzene may be present but always below 0.1%

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures**General information**

Remove victim immediately from source of exposure. Provide fresh air, warmth and rest, preferably in comfortable upright sitting position. Perform artificial respiration if breathing has stopped. Do not give victim anything to drink if they are unconscious.

Inhalation

Remove victim immediately from source of exposure. Move into fresh air and keep at rest. Perform artificial respiration if breathing has stopped. Get medical attention if any discomfort continues.

Ingestion

Immediately rinse mouth and provide fresh air. DO NOT induce vomiting if swallowed chemical is dissolved in petroleum-based material. Danger of aspiration and development of chemical pneumonia. Get medical attention immediately!

Skin contact

Remove contaminated clothes and rinse skin thoroughly with water. Get medical attention if any discomfort continues.

Eye contact

Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse.

4.2. Most important symptoms and effects, both acute and delayed**4.3. Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media**Extinguishing media**

Extinguish with foam, carbon dioxide, dry powder or water fog. Water spray, fog or mist.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture**Hazardous combustion products**

During fire, toxic gases (CO, CO₂) are formed.

Brush Mate Fluid

Unusual Fire & Explosion Hazards

FLAMMABLE. Forms explosive mixtures with air. Vapours are heavier than air and may spread near ground to sources of ignition. May travel considerable distance to source of ignition and flash back.

Specific hazards

The product is flammable, and heating may generate vapours which may form explosive vapour/air mixtures. Vapours may form explosive air mixtures even at room temperature. Vapours may be ignited by a spark, a hot surface or an ember.

5.3. Advice for firefighters

Special Fire Fighting Procedures

Keep up-wind to avoid fumes. If possible, fight fire from protected position. Move container from fire area if it can be done without risk. Use supplied air respirator if product is involved in a fire. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control. Avoid water in straight hose stream; will scatter and spread fire.

Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area. Do not smoke, use open fire or other sources of ignition. Do not breathe vapour.

6.2. Environmental precautions

Do not allow to enter drains, sewers or watercourses. Inform the relevant authorities if this occurs.

6.3. Methods and material for containment and cleaning up

Clean-up personnel should use respiratory and/or liquid contact protection. Wash thoroughly after dealing with a spillage. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb spillage with non-combustible, absorbent material. Runoff or release to sewer, waterway or ground is forbidden. Inform Authorities if large amounts are involved. Spillage may be stored as chemical waste in approved area.

6.4. Reference to other sections

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid spilling, skin and eye contact. Keep away from heat, sparks and open flame. Static electricity and formation of sparks must be prevented. Storage tanks and other containers must be grounded. Protect electric equipment against sparking in case of risk of explosion. Container must be kept tightly closed.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from heat, sparks and open flame. Keep containers tightly closed. Keep away from food, drink and animal feeding stuffs. Avoid contact with oxidising agents. Flammable/combustible - Keep away from oxidisers, heat and flames. Ground container and transfer equipment to eliminate static electric sparks. Keep in original container. Suitable containers: mild steel, stainless steel. Do NOT use container made of: aluminium, copper, PVC.

Storage Class

Flammable liquid storage.

7.3. Specific end use(s)

Usage Description

Storage tanks must be positioned within a bunded area.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
BUTANOL-norm	WEL			50 ppm(Sk)	154 mg/m3(Sk)	
CYCLOHEXANONE	WEL	10 ppm(Sk)		20 ppm(Sk)		
HYDROCARBONS, C9, aromatics	OEL		100 mg/m3			
Hydrocarbons, C9-12, n-alkanes, isoalkanes, cyclics, (2-25%) aromatics	WEL		350 mg/m3			

Brush Mate Fluid

WEL = Workplace Exposure Limit.
OEL = Occupational Exposure Limit.

CYCLOHEXANONE (CAS: 108-94-1)

Ingredient Comments

WEL = Workplace Exposure Limits

DNEL

Industry	Dermal	Short Term	100	mg/kg/day
Industry	Inhalation.	Short Term	100	mg/m3
Industry	Dermal	Long Term	10	mg/kg/day
Industry	Inhalation.	Long Term	80	mg/m3
Consumer	Dermal	Short Term	30	mg/kg/day
Consumer	Inhalation.	Short Term	50	mg/m3
Consumer	Oral	Short Term	10	mg/kg/day
Consumer	Dermal	Long Term	20	mg/kg/day
Consumer	Inhalation.	Long Term	20	mg/m3

PNEC

Freshwater	0.0329		mg/l
Marinewater	0.00329		mg/l
STP	10		mg/l
Sediment	Freshwater	0.0951	mg/kg
Soil	0.0143		mg/kg

Hydrocarbons, C9-12, n-alkanes, isoalkanes, cyclics, (2-25%) aromatics

DNEL

Industry	Inhalation.	Short Term	570	mg/m3
Industry	Inhalation.	Long Term	1980	mg/m3
Consumer	Inhalation.	Short Term	570	mg/m3
Consumer	Dermal	Long Term	1040	mg/kg/day
Consumer	Inhalation.	Long Term	710	mg/m3
Consumer	Oral	Long Term	1040	mg/m3

The hydrocarbons block method has been used to calculate environmental exposure with the Petrorisk model.

8.2. Exposure controls

Protective equipment



Process conditions

Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash, quick drench.

Engineering measures

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded. Explosion-proof general and local exhaust ventilation.

Respiratory equipment

If ventilation is insufficient, suitable respiratory protection must be provided. At work in confined or poorly ventilated spaces, respiratory protection with air supply must be used. Check that mask fits tight and change filter regularly.

Hand protection

Protective gloves must be used if there is a risk of direct contact or splash. Manufactured/tested in accordance with EN 374. Be aware that the liquid may penetrate the gloves. Frequent change is advisable.

Eye protection

Wear splash-proof eye goggles to prevent any possibility of eye contact. If risk of splashing, wear safety goggles or face shield. Manufactured/Tested in accordance with EN 166.

Other Protection

Use barrier creams to prevent skin contact. Provide eyewash station and safety shower. Wear appropriate clothing to prevent repeated or prolonged skin contact.

Hygiene measures

Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes wet or contaminated. Eating, smoking and water fountains prohibited in immediate work area. DO NOT SMOKE IN WORK AREA!

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance Clear liquid.

Brush Mate Fluid

Colour	Colourless.
Odour	Characteristic.
Solubility	Slightly soluble in water.
Relative density	0.858 15
Vapour density (air=1)	>1
Flash point (°C)	38 CC (Closed cup).

9.2. Other information

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Hazardous Polymerisation

Will not polymerise.

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials To Avoid

Strong oxidising substances. Acids

10.6. Hazardous decomposition products

None at ambient temperatures. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxic Dose 1 - LD 50

>2000 mg/kg (oral rat)

Toxic Conc. - LC 50

20 mg/l/4h (inh-rat)

Toxicological information

ASPIRATION HAZARD - do not breath vapour or spray. May cause lung damage if material gets into the lungs after accidental swallowing or vomiting of ingested material.

General information

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems. Contains small amounts of organic solvents. Extensive use of the product in areas with inadequate ventilation may result in hazardous vapour concentrations.

Inhalation

Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia. Contains organic solvents which in case of overexposure may depress the central nervous system causing dizziness and intoxication.

Ingestion

Harmful: may cause lung damage if swallowed. Pneumonia may be the result if vomited material containing solvents reaches the lungs.

Skin contact

Harmful in contact with skin. May cause sensitisation by skin contact.

Eye contact

Irritation of eyes and mucous membranes.

Brush Mate Fluid

Health Warnings

Prolonged or repeated contact leads to drying of skin. Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

Route of entry

Inhalation. Skin and/or eye contact.

Target Organs

Respiratory system, lungs Skin Eyes

Medical Symptoms

Skin irritation. Irritation of eyes and mucous membranes. High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting.

Medical Considerations

Skin disorders and allergies. Convulsive disorders, CNS problems. Risk of chemical pneumonia after aspiration.

Specific effects

Prolonged or frequent inhalation of vapours in high concentrations may cause permanent damage to the nervous system, including the brain.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

No information available.

12.1. Toxicity

Acute Fish Toxicity

Not stated

12.2. Persistence and degradability

12.3. Bioaccumulative potential

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

SECTION 13: DISPOSAL CONSIDERATIONS

General information

Contaminated packages must be completely emptied before sending away for laundering and re-use.

13.1. Waste treatment methods

Confirm disposal procedures with environmental engineer and local regulations. Dispose of waste and residues in accordance with local authority requirements. Do not allow runoff to sewer, waterway or ground.

Waste Class

Hazardous Waste EWC NUMBER: Allocation of a waste code number in accordance with the European Waste Catalogue, should be carried out in agreement with an EA authorised waste disposal company.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number

UN No. (ADR/RID/ADN) 1993

14.2. UN proper shipping name

Proper Shipping Name FLAMMABLE LIQUID N.O.S.

14.3. Transport hazard class(es)

ADR/RID/ADN Class 3

Brush Mate Fluid

ADR/RID/ADN Class	Class 3: Flammable liquids.
ADR Label No.	3
IMDG Class	3
Transport Labels	

**14.4. Packing group**

ADR/RID/ADN Packing group	III
IMDG Packing group	III

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

**14.6. Special precautions for user**

Emergency Action Code	3Y
Hazard No. (ADR)	30
Hazard No. (ADR)	30 Flammable liquid (flash-point between 23°C and 60°C, inclusive) or flammable liquid or solid in the molten state with a flash-point above 60°C, heated to a temperature equal to or above its flash-point, or self heating liquid.
Tunnel Restriction Code	(D/E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**Uk Regulatory References**

Chemicals (Hazard Information & Packaging) Regulations. The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.

Statutory Instruments

Control of Substances Hazardous to Health.

Approved Code Of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations.

Guidance Notes

Workplace Exposure Limits EH40.

EU Legislation

System of specific information relating to Dangerous Preparations. 2001/58/EC. Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 1272/2008 CLP. Regulation (EC) No 1907/2006 REACH.

National Regulations

Commission Decision 2000/532/EC as amended by Decision 2001/118/EC establishing a list of wastes and hazardous waste pursuant to Council Directive 75/442/EEC on waste and Directive 91/689/EEC on hazardous waste with amendments.

15.2. Chemical Safety Assessment

SECTION 16: OTHER INFORMATION

Brush Mate Fluid

General information

Only trained personnel should use this material. Labels should not be removed from containers until they have been cleaned and no product remains within.

Information Sources

Approved Supply List

Revision Comments

Additional ingredient information No change to classification.

Issued By Compliance Department

Revision Date 07/01/2014

Revision 4

Supersedes date 28/08/2012

SDS No. 1605

Safety Data Sheet Status Approved.

Date 07-Jan-14

Risk Phrases In Full

R10	Flammable.
R20	Harmful by inhalation.
R22	Harmful if swallowed.
R21	Harmful in contact with skin.
R65	Harmful: may cause lung damage if swallowed.
R37/38	Irritating to respiratory system and skin.
R37	Irritating to respiratory system.
R40	Limited evidence of a carcinogenic effect.
R43	May cause sensitisation by skin contact.
R66	Repeated exposure may cause skin dryness or cracking.
R41	Risk of serious damage to eyes.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R67	Vapours may cause drowsiness and dizziness.

Hazard Statements In Full

H318	Causes serious eye damage.
H315	Causes skin irritation.
H226	Flammable liquid and vapour.
H332	Harmful if inhaled.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H336	May cause drowsiness or dizziness.
H335	May cause respiratory irritation.
EUH066	Repeated exposure may cause skin dryness or cracking.
H351	Suspected of causing cancer.
H411	Toxic to aquatic life with long lasting effects.

Disclaimer

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy themselves as to the suitability of such information for his own particular use.