

**SAFETY DATA SHEET**

MAGNUM FORCE

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Compilation date: 23/02/2006

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Revision No: 9

**Section 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

**Product name:** MAGNUM FORCE

**Product code:** UNIMAG

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

**Use of substance / mixture:** FOR PROFESSIONAL AND INDUSTRIAL USE ONLY. Aerosol solvent cleaner.

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

**Company name:** UNICONOMY LIMITED

Unit 1 Carter Buildin, Brookside

Thornton Cleveleys

Lancashire

FY5 4EZ

United Kingdom

**Tel:** 01253 854050

**Fax:** 01253 854049

**Email:** \_\_\_\_\_

**1.4. Emergency telephone number**

**Emergency tel:** 07860 323486 Office Hours Only

**Section 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Classification under CLP:** Skin Irrit. 2: H315; STOT SE 3: H336; Aquatic Chronic 2: H411; Flam. Aerosol 1: H222; -: H229

**Most important adverse effects:** Extremely flammable aerosol. Pressurised container: May burst if heated. Causes skin irritation. May cause drowsiness or dizziness. Toxic to aquatic life with long lasting effects.

**2.2. Label elements**

**Label elements:**

**Hazard statements:** H222: Extremely flammable aerosol.

H229: Pressurised container: May burst if heated

H315: Causes skin irritation.

H336: May cause drowsiness or dizziness.

H411: Toxic to aquatic life with long lasting effects.

**Hazard pictograms:** GHS02: Flame

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GHS07: Exclamation mark

GHS09: Environmental

**Signal words:** Danger**Precautionary statements:** P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

No smoking.

P211: Do not spray on an open flame or other ignition source.

P251: Do not pierce or burn, even after use.

P410+412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

P102: Keep out of reach of children.

P260: Do not breathe vapours.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P302+352: IF ON SKIN: Wash with plenty of water/soap.

P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**2.3. Other hazards****Other hazards:** In use, may form flammable / explosive vapour-air mixture.**PBT:** This product is not identified as a PBT/vPvB substance.**Section 3: Composition/information on ingredients****3.2. Mixtures****Hazardous ingredients:**

HYDROCARBONS C6-C7 ISOALKANES, CYCLICS, &lt;5% N-HEXANE, &lt;0.1% BENZENE - REACH registered number(s): 01-2119475514-35-XXXX

EINECS	CAS	PBT / WEL	CLP Classification	
265-151-9	64742-49-0	-	Flam. Liq. 2: H225; STOT SE 3: H336; Asp. Tox. 1: H304; Aquatic Chronic 2: H411; Skin Irrit. 2: H315	.

BUTANE, &lt;0.1% 1,3 BUTADIENE

203-448-7	106-97-8	Substance with a Community workplace exposure limit.	Flam. Gas 1: H220; Press. Gas: H280	
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PROPANE, &lt;0.1% 1,3 BUTADIENE

200-827-9	74-98-6	Substance with a Community workplace exposure limit.	Flam. Gas 1: H220; Press. Gas: H280	
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**Section 4: First aid measures****4.1. Description of first aid measures**

**Skin contact:** Wash immediately with plenty of soap and water.

**Eye contact:** Bathe the eye with running water for 15 minutes.

**Ingestion:** Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so.

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

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be irritation and redness. The eyes may water profusely.

**Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

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

**Immediate / special treatment:** Not applicable.

**Section 5: Fire-fighting measures****5.1. Extinguishing media**

**Extinguishing media:** Alcohol or polymer foam. Carbon dioxide. Dry chemical powder. Use water spray to cool containers.

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

**Exposure hazards:** Highly flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture.

Vapour may travel considerable distance to source of ignition and flash back. Aerosol cans may explode during a fire, giving a high speed projectile.

**5.3. Advice for fire-fighters**

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

**Section 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

**Personal precautions:** Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Eliminate all

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sources of ignition. Cover leaking can until the discharge has stopped, before attempting cleanup operations.

**6.2. Environmental precautions**

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

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

**Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Do not use equipment in clean-up procedure which may produce sparks. Wash the ground with an appropriate self-emulsifying solvent.

**6.4. Reference to other sections**

**Reference to other sections:** Refer to section 8 of SDS.

**Section 7: Handling and storage****7.1. Precautions for safe handling**

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air. Smoking is forbidden. Use non-sparking tools.

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

**Storage conditions:** Store in a cool, well ventilated area. Keep away from sources of ignition. Keep away from direct sunlight.

**7.3. Specific end use(s)**

**Specific end use(s):** No data available.

**Section 8: Exposure controls/personal protection****8.1. Control parameters**

**Hazardous ingredients:**

**HYDROCARBONS C6-C7 ISOALKANES, CYCLICS, <5% N-HEXANE, <0.1% BENZENE**

**Workplace exposure limits:**

**Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	1100 mg/m <sup>3</sup>	2200 mg/m <sup>3</sup>	-	-

**BUTANE, <0.1% 1,3 BUTADIENE**

UK	1450 mg/m <sup>3</sup>	1810 mg/m <sup>3</sup>	-	-
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**PROPANE, <0.1% 1,3 BUTADIENE**

UK	Asphyxiating	Asphyxiating	-	-
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**DNEL/PNEC Values**

**DNEL / PNEC** No data available.

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**8.2. Exposure controls**

**Engineering measures:** Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

**Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency.

**Hand protection:** Impermeable gloves.

**Eye protection:** Safety glasses. Ensure eye bath is to hand.

**Skin protection:** Impermeable protective clothing.

**Section 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

**State:** Aerosol

**Colour:** Colourless

**Odour:** Odourless

**Evaporation rate:** Fast

**Solubility in water:** Insoluble

**Viscosity:** Non-viscous

**Boiling point/range°C:** Not applicable.

**Melting point/range°C:** Not applicable.

**Flammability limits %: lower:** 0.9

**upper:** 8.0

**Flash point°C:** <0

**Part.coeff. n-octanol/water:** Not applicable.

**Autoflammability°C:** >230

**Vapour pressure:** Not applicable.

**Relative density:** Not applicable.

**pH:** Not applicable.

**VOC g/l:** Not applicable.

**9.2. Other information**

**Other information:** No data available.

**Section 10: Stability and reactivity****10.1. Reactivity**

**Reactivity:** Stable under recommended transport or storage conditions.

**10.2. Chemical stability**

**Chemical stability:** Stable under normal conditions. Stable at room temperature.

**10.3. Possibility of hazardous reactions**

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

**10.4. Conditions to avoid**

**Conditions to avoid:** Heat. Hot surfaces. Sources of ignition. Flames. Direct sunlight.

**10.5. Incompatible materials**

**Materials to avoid:** Strong oxidising agents. Strong acids.

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## 10.6. Hazardous decomposition products

**Haz. decomp. products:** In combustion emits toxic fumes.

## Section 11: Toxicological information

## 11.1. Information on toxicological effects

## Hazardous ingredients:

HYDROCARBONS C6-C7 ISOALKANES, CYCLICS, <5% N-HEXANE, <0.1% BENZENE

DERMAL	RBT	LD50	3350	mg/kg
ORAL	RAT	LD50	16750	mg/kg
VAPOURS	RAT	4H LC50	259	g/l

## Relevant hazards for product:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
STOT-single exposure	-	Hazardous: calculated

## Symptoms / routes of exposure

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be irritation and redness. The eyes may water profusely.

**Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

## Section 12: Ecological information

## 12.1. Toxicity

## Hazardous ingredients:

HYDROCARBONS C6-C7 ISOALKANES, CYCLICS, <5% N-HEXANE, <0.1% BENZENE

Daphnia magna	48H EC50	17.06	mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	96H LC50	9.766	mg/l

## 12.2. Persistence and degradability

**Persistence and degradability:** Not readily biodegradable.

## 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No bioaccumulation potential.

## 12.4. Mobility in soil

**Mobility:** Readily absorbed into soil. Volatile. Insoluble in water. Floats on water. Vapour is heavier than air.

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**12.5. Results of PBT and vPvB assessment**

**PBT identification:** This product is not identified as a PBT/vPvB substance.

**12.6. Other adverse effects**

**Other adverse effects:** Toxic to aquatic organisms. Toxic to soil organisms.

**Section 13: Disposal considerations****13.1. Waste treatment methods**

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**Recovery operations:** Recycling/reclamation of metals and metal compounds.

**Waste code number:** 16 05 05

**Disposal of packaging:** Dispose of as normal industrial waste. Empty cans must not be burned because of explosion hazard.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**Section 14: Transport information****14.1. UN number**

**UN number:** UN1950

**14.2. UN proper shipping name**

**Shipping name:** AEROSOLS

**14.3. Transport hazard class(es)**

**Transport class:** 2

**14.4. Packing group****14.5. Environmental hazards**

**Environmentally hazardous:** Yes

**Marine pollutant:** No

**14.6. Special precautions for user**

**Special precautions:** No special precautions.

**Tunnel code:** D

**Transport category:** 2

**Section 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Specific regulations:** Not applicable.

**15.2. Chemical Safety Assessment**

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

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**Section 16: Other information****Other information**

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

**IMPORTANT NOTE:**

Risk phrases in this section below relate to the INDIVIDUAL COMPONENTS in the formulation when used at their FULL CONCENTRATIONS, and not at the reduced levels in the mixed product.

See sections 2 and 3 for the calculated hazard and risk phrases for the blended product.

**Phrases used in s.2 and s.3:** H220: Extremely flammable gas.  
H222: Extremely flammable aerosol.  
H225: Highly flammable liquid and vapour.  
H229: Pressurised container: May burst if heated  
H304: May be fatal if swallowed and enters airways.  
H315: Causes skin irritation.  
H336: May cause drowsiness or dizziness.  
H411: Toxic to aquatic life with long lasting effects.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product. For professional and industrial use only.