

Safety Data Sheet

according to WHS Regulations

Printing date 24.05.2017

Revision: 24.05.2017

1 Identification

Product Name: BLACK MAGIC

Other Means of Identification: Mixture

Product Code: BMG60

Recommended Use of the Chemical and Restriction on Use: Polyether tray adhesive

Details of Manufacturer or Importer:

Australian Dental Manufacturing
25 Billabong Street
Kenmore Hills QLD 4069

Phone Number: 07 3878 1901

Emergency telephone number: National Poison Information Centre: 13 11 26

2 Hazard(s) Identification

Hazardous Nature:

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition).



flame

Flammable Liquids 2

H225

Highly flammable liquid and vapour.



health hazard

Toxic To Reproduction 1A

H360

May damage fertility or the unborn child.

STOT RE 2

H373

May cause damage to organs through prolonged or repeated exposure.

Aspiration Hazard 1

H304

May be fatal if swallowed and enters airways.



Skin Corrosion/Irritation 2

H315

Causes skin irritation.

Serious Eye Damage/Irritation 2A

H319

Causes serious eye irritation.

STOT SE 3

H335-H336

May cause respiratory irritation. May cause drowsiness or dizziness.

Signal Word Danger

Hazard Statements

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H360 May damage fertility or the unborn child.

H335-H336 May cause respiratory irritation. 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.

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Precautionary Statements

P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P240	Ground/bond container and receiving equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P264	Wash hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321	Specific treatment (see on this label).
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER/doctor if you feel unwell.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P314	Get medical advice/attention if you feel unwell.
P331	Do NOT induce vomiting.
P370+P378	In case of fire: Use to extinguish: CO2, powder or water spray.
P362+P364	Take off contaminated clothing and wash it before reuse.
P405	Store locked up.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container in accordance with local/regional/national regulations.

3 Composition and Information on Ingredients

Chemical Characterization: Mixtures**Description:** Mixture of substances listed below with nonhazardous additions.**Hazardous Components:**

64742-49-0	Naphtha (petroleum), hydrotreated light ⚠️ Aspiration Hazard 1, H304	20 - 40%
108-88-3	Benzene, methyl- ⚠️ Flammable Liquids 2, H225; ⚠️ Toxic To Reproduction 1A, H360; STOT RE 2, H373; ⚠️ Skin Corrosion/Irritation 2, H315	20 - 40%
78-93-3	2-Butanone ⚠️ Flammable Liquids 2, H225; ⚠️ Serious Eye Damage/Irritation 2A, H319; STOT SE 3, H335-H336	20 - 40%
67-64-1	Acetone ⚠️ Flammable Liquids 2, H225; ⚠️ Serious Eye Damage/Irritation 2A, H319; STOT SE 3, H336	<8%

Additional information:

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Note for CAS No. 64742-49-0: The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0.1 % w/w benzene (CAS No 71-43-2).

This product also contains 1 - 2% Orasol black dye, CAS No. not supplied.

4 First Aid Measures

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

Skin Contact:

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

Eye Contact:

In case of eye contact, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.

Ingestion:

If swallowed, do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.

Symptoms Caused by Exposure:

Inhalation: Inhalation of high vapour concentrations may cause respiratory irritation, drowsiness, dizziness, headache, nausea, anaesthetic effects, central nervous system depression, peripheral neuropathy (numbness in limbs). Prolonged exposure to vapours may cause loss of consciousness and death.

Skin Contact: Causes skin irritation and redness.

Eye Contact: Causes eye irritation, redness, itching and watering.

Ingestion: May be fatal if swallowed and enters airways. May cause irritation to the mouth and gastrointestinal tract, nausea, vomiting, diarrhoea and headache.

5 Fire Fighting Measures

Suitable Extinguishing Media:

Carbon dioxide, sand and dry chemical powder. Do not use water spray or jet.

Specific Hazards Arising from the Chemical:

Hazardous combustion products include oxides of carbon.

Product is highly flammable. Vapours may travel considerable distances to a source of ignition where they can ignite, flashback, or explode.

Closed containers may explode when exposed to extreme heat. Containers close to fire should be removed if safe to do so. Use water spray to cool fire exposed containers.

Special Protective Equipment and Precautions for Fire Fighters:

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

6 Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear approved respiratory protection, chemical resistant gloves, protective clothing and safety boots. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation. Extinguish all sources of ignition. Avoid sparks and open flames. No smoking.

Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses.

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Methods and Materials for Containment and Cleaning Up:

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal. Use only non-sparking tools. Ventilate the area of spill or leak. Water spray may be used to disperse vapours.

7 Handling and Storage

Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Use only outdoors or in a well-ventilated area.

Take precautionary measures against static discharge. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Keep in original container tightly closed when not in use. Protect from heat, sparks, open flames and other sources of ignition. Keep away from strong oxidising agents and acids. Store at temperatures below 25 °C.

8 Exposure controls and personal protection

Exposure Standards:**108-88-3 Benzene, methyl-**

WES	STEL: 574 mg/m ³ , 150 ppm TWA: 191 mg/m ³ , 50 ppm Sk
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78-93-3 2-Butanone

WES	STEL: 890 mg/m ³ , 300 ppm TWA: 445 mg/m ³ , 150 ppm
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67-64-1 Acetone

WES	STEL: 2375 mg/m ³ , 1000 ppm TWA: 1185 mg/m ³ , 500 ppm
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Engineering Controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapour below occupational exposure standards.

Respiratory Protection:

Use approved vapour respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

PVC, PVA, nitrile, neoprene, rubber or vinyl gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information.

When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

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Eye and Face Protection:

Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 Physical and Chemical Properties

Appearance:

Form:	Liquid
Colour:	Grey/black
Odour:	Solvent odour
Odour Threshold:	No information available
pH-Value:	Not applicable
Melting point/freezing point:	No information available
Initial Boiling Point/Boiling Range:	No information available
Flash Point:	-17 °C (acetone)
Flammability:	Highly flammable.
Auto-ignition Temperature:	225 °C (N-hexane)
Decomposition Temperature:	Not determined.
Explosion Limits:	
Lower:	2 Vol %
Upper:	13.0 Vol %
Vapour Pressure at 15 °C:	2.2 kPa (benzene, methyl-)
Relative Density at 20 °C:	<1
Solubility in Water:	Miscible

10 Stability and Reactivity

Possibility of Hazardous Reactions:

The benzene, methyl- component may react violently with strong oxidizing acids such as sulphuric and nitric acids.

Chemical Stability: Stable at ambient temperature and under normal conditions of use.

Conditions to Avoid: Heat, sparks, open flames and other sources of ignition.

Incompatible Materials: Oxidising agents and strong acids.

Hazardous Decomposition Products: Oxides of carbon

11 Toxicological Information

Toxicity:**LD₅₀/LC₅₀ Values Relevant for Classification:****108-88-3 Benzene, methyl-**

Oral	LD ₅₀	5000 mg/kg (rat)
Dermal	LD ₅₀	12124 mg/kg (rabbit)
Inhalation	LC ₅₀ /4 h	5320 mg/l (mouse)

78-93-3 2-Butanone

Oral	LD ₅₀	3300 mg/kg (rat)
Dermal	LD ₅₀	5000 mg/kg (rabbit)

67-64-1 Acetone

Oral	LD ₅₀	5800 mg/kg (rat)
Dermal	LD ₅₀	20000 mg/kg (rabbit)

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Acute Health Effects**Inhalation:**

Inhalation of high vapour concentrations may cause respiratory irritation, drowsiness, dizziness, headache, nausea, anaesthetic effects, central nervous system depression, peripheral neuropathy (numbness in limbs). Prolonged exposure to vapours may cause loss of consciousness and death.

Skin: Causes skin irritation and redness.

Eye: Causes eye irritation, redness, itching and watering.

Ingestion:

May be fatal if swallowed and enters airways. May cause irritation to the mouth and gastrointestinal tract, nausea, vomiting, diarrhoea and headache.

Skin Corrosion / Irritation: Causes skin irritation.

Serious Eye Damage / Irritation: Causes serious eye irritation.

Respiratory or Skin Sensitisation: Based on classification principles, the classification criteria are not met.

Germ Cell Mutagenicity: Based on classification principles, the classification criteria are not met.

Carcinogenicity:

Toluene is classified by IARC as Group 3 - Not classifiable as to its carcinogenicity to humans.

Reproductive Toxicity:

May damage fertility or the unborn child.

Benzene, methyl-is classified by Safe Work Australia as Toxic to Reproduction Category 1.

Specific Target Organ Toxicity (STOT) - Single Exposure:

May cause respiratory irritation.

May cause drowsiness and dizziness.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

May cause damage to organs through prolonged or repeated exposure.

Aspiration Hazard: May be fatal if swallowed and enters airways.

Chronic Health Effects:

The substance is toxic to kidneys, liver, lungs, and the central nervous system.

Repeated or prolonged inhalation of vapours may lead to chronic respiratory irritation.

Repeated or prolonged exposure to the product ingredients can produce target organs damage. May cause arrhythmia (heart beat irregularity) and peripheral nervous system effects.

Prolonged skin contact may cause dermatitis with drying or cracking of the skin.

Existing Conditions Aggravated by Exposure: No information available

Additional toxicological information: Irritant

12 Ecological Information

Ecotoxicity: No further relevant information available.

Aquatic toxicity: No further relevant information available.

Persistence and Degradability:

The ingredients are completely biodegradable. No long-term persistent effects are expected.

Bioaccumulative Potential: This material is not expected to bioaccumulate.

Mobility in Soil: No further relevant information available.

Other adverse effects: No further relevant information available.

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13 Disposal considerations

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.

Special Precautions for Landfill or Incineration:

Please consult your state Land Waste Management Authority for more information.

14 Transport information

UN Number ADG, IMDG, IATA	UN1133
Proper Shipping Name ADG, IMDG, IATA	ADHESIVES containing flammable liquid
Dangerous Goods Class ADG Class:	3 Flammable liquids.
Packing Group: ADG, IMDG, IATA	I
EMS Number:	F-E,S-D
Hazchem Code:	•3YE
Limited Quantities:	500 ml
Packagings & IBCs - Packing Instruction:	P001
Portable Tanks & Bulk Containers - Instructions:	T11
Portable Tanks & Bulk Containers - Special Provisions:	TP1, TP8, TP27

15 Regulatory information

Australian Inventory of Chemical Substances:

64742-49-0	Naphtha (petroleum), hydrotreated light
108-88-3	Benzene, methyl-
78-93-3	2-Butanone
67-64-1	Acetone

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:

Poisons Schedule: 5

16 Other information

Date of Preparation or Last Revision: 24.05.2017

Prepared by: MSDS.COM.AU Pty Ltd

www.msds.com.au

Abbreviations and acronyms:

ADG: Australian Dangerous Goods
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 LC₅₀: Lethal concentration, 50 percent
 LD₅₀: Lethal dose, 50 percent
 IARC: International Agency for Research on Cancer
 STEL: Short Term Exposure Limit
 TWA: Time Weighted Average

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NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Flammable Liquids 2: Flammable liquids – Category 2

Skin Corrosion/Irritation 2: Skin corrosion/irritation – Category 2

Serious Eye Damage/Irritation 2A: Serious eye damage/eye irritation – Category 2A

Toxic To Reproduction 1A: Reproductive toxicity – Category 1A

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Aspiration Hazard 1: Aspiration hazard – Category 1

Disclaimer

This SDS is prepared in accord with the Safe Work Australia document “Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - February 2016”

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