



SAFETY DATA SHEET

PAINT PANTHER, PAINT AND VARNISH REMOVER

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Compilation date: 04/11/2016

Revision No: 1

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

1.1. Product identifier

Product name: PAINT PANTHER, PAINT AND VARNISH REMOVER

Product code: STPPGEN

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

1.3. Details of the supplier of the safety data sheet

Company name: J.V. Barrett & Co Ltd

St Ivel way

Warmley

Bristol

BS30 8TY

United Kingdom

Tel: 01179600060

Fax: 01179352437

Email: sales@barrettine.co.uk

1.4. Emergency telephone number

Emergency tel: +44 (0) 1179 600060 (Office hours only 8am - 5pm Mon- Thurs. 8 am - 4.30 pm Fri.)

+44 (0) 1270 502891 (Out of hours emergency number)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336; -: EUH031

Most important adverse effects: Causes serious eye irritation. May cause drowsiness or dizziness. Highly flammable liquid and vapour. Contact with acids liberates toxic gas.

2.2. Label elements

Label elements:

Hazard statements: H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

H225: Highly flammable liquid and vapour.

EUH031: Contact with acids liberates toxic gas.

Hazard pictograms: GHS02: Flame

GHS07: Exclamation mark

[cont...]

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Signal words: Danger

Precautionary statements: P102: Keep out of reach of children.

P405: Store locked up.

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

No smoking.

P233: Keep container tightly closed.

P260: Do not breathe vapours.

P264: Wash with soap and water thoroughly after handling.

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

P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

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.

P312: Call a POISON CENTER or doctor/physician if you feel unwell.

P370+380: In case of fire: Evacuate area.

P501: Dispose of contents/container to hazardous or special waste collection point.

2.3. Other hazards

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

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

1,3-DIOXOLANE - REACH registered number(s): 01-2119490744-29-XXXX

EINECS	CAS	PBT / WEL	CLP Classification	Percent
211-463-5	646-06-0	Substance with a Community workplace exposure limit.	Flam. Liq. 2: H225	50-70%

1-METHOXY-2-PROPANOL - REACH registered number(s): 01-2119457435-35-XXXX

203-539-1	107-98-2	-	Flam. Liq. 3: H226; STOT SE 3: H336	10-30%
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2-(2-BUTOXYETHOXY)ETHANOL - REACH registered number(s): 01-2119475104-44-XXXX

203-961-6	112-34-5	-	Eye Irrit. 2: H319	1-10%
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ETHYL METHYL KETONE - REACH registered number(s): 01-2119457290-43-XXXX

201-159-0	78-93-3	-	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336; -: EUH066	1-10%
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HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, < 2% AROMATICS - REACH registered number(s): 01-2119463258-33-XXXX

919-857-5	-	-	Asp. Tox. 1: H304; Flam. Liq. 3: H226; STOT SE 3: H336; -: EUH066	1-10%
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Section 4: First aid measures

4.1. Description of first aid measures

- Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.
- Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.
- Ingestion:** Do not induce vomiting. If conscious, give half a litre of water to drink immediately. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.
- Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. If conscious, ensure the casualty sits or lies down. If unconscious and breathing is OK, place in the recovery position. If unconscious, check for breathing and apply artificial respiration if necessary. Transfer to hospital as soon as possible.

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 pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.
- Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.
- 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: Suitable extinguishing media for the surrounding fire should be used. Carbon dioxide. Dry chemical powder. Do not use water.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

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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: Mark out the contaminated area with signs and prevent access to unauthorised personnel.
Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid.

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.

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.
Avoid the formation or spread of mists in the air. Use non-sparking tools.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed. Prevent the build up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment are not a source of ignition.

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:

1-METHOXY-2-PROPANOL

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	375 mg/m ³	560 mg/m ³	-	-

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2-(2-BUTOXYETHOXY)ETHANOL

UK	67.5 mg/m3	101.2 mg/m3	-	-
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ETHYL METHYL KETONE

UK	600 mg/m3	899 mg/m3	-	-
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DNEL/PNEC Values

Hazardous ingredients:

1,3-DIOXOLANE

Type	Exposure	Value	Population	Effect
DNEL	Inhalation (repeated dose)	19 mg/m3	Workers	Systemic
DNEL	Dermal (repeated dose)	4.1 mg/kg/day	Workers	Systemic
DNEL	Inhalation (repeated dose)	5.7 mg/m3	General Population	Systemic
DNEL	Dermal (repeated dose)	0.8 mg/kg/day	General Population	Systemic
DNEL	Oral (repeated dose)	75 mg/kg/day	General Population	Systemic
PNEC	Fresh water	19.7 mg/l	-	-
PNEC	Marine water	1.97 mg/l	-	-
PNEC	Microorganisms in sewage treatment	100 mg/l	-	-
PNEC	Fresh water sediments	77.7 mg/l	-	-
PNEC	Marine sediments	7.77 mg/l	-	-
PNEC	Soil (agricultural)	2.62 mg/kg	-	-

1-METHOXY-2-PROPANOL

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	553.5 mg/m3	Workers	Local
DNEL	Dermal (repeated dose)	50.6 mg/kg/day	Workers	Systemic
DNEL	Inhalation (repeated dose)	369 mg/m3	Workers	Systemic
DNEL	Dermal (repeated dose)	18.1 mg/kg/day	Consumers	Systemic
DNEL	Inhalation (repeated dose)	43.9 mg/m3	Consumers	Systemic
DNEL	Oral (repeated dose)	3.3 mg/kg/day	Consumers	Systemic
PNEC	Fresh water	10 mg/l	-	-
PNEC	Marine water	1 mg/l	-	-
PNEC	Microorganisms in sewage treatment	100 mg/l	-	-
PNEC	Fresh water sediments	41.6 mg/l	-	-
PNEC	Marine sediments	4.17 mg/l	-	-
PNEC	Soil (agricultural)	2.47 mg/kg	-	-

2-(2-BUTOXYETHOXY)ETHANOL

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	14 ppm	Workers	Local

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DNEL	Dermal (repeated dose)	20 mg/kg/bw/day	Workers	Local
DNEL	Inhalation (repeated dose)	10 ppm	Workers	Systemic
DNEL	Inhalation (repeated dose)	10 ppm	Workers	Local
DNEL	Inhalation	7.5 mg/m3	General Population	Local
DNEL	Dermal (repeated dose)	10 mg/kg/bw/day	General Population	Systemic
DNEL	Oral (repeated dose)	1.3 mg/kg/bw/day	General Population	Systemic
DNEL	Inhalation (repeated dose)	5 mg/m3	General Population	Local
PNEC	Fresh water	1 mg/l	-	-
PNEC	Marine water	0.1 mg/l	-	-
PNEC	Fresh water sediments	4 mg/l	-	-
PNEC	Marine sediments	0.4 mg/l	-	-
PNEC	Microorganisms in sewage treatment	200 mg/l	-	-
PNEC	Soil (agricultural)	0.4 mg/l	-	-

ETHYL METHYL KETONE

Type	Exposure	Value	Population	Effect
DNEL	Oral (repeated dose)	31 mg/kg/bw/day	Consumers	Systemic
DNEL	Dermal (repeated dose)	412 mg/kg/bw/day	Consumers	Systemic
DNEL	Dermal (repeated dose)	1161 mg/kg/bw/day	Workers	Systemic
DNEL	Inhalation (repeated dose)	106 mg/m3	Consumers	Systemic
DNEL	Inhalation (repeated dose)	600 mg/m3	Workers	Systemic
PNEC	Fresh water	55.8 mg/l	-	-
PNEC	Fresh water sediments	284.7 mg/kg	-	-
PNEC	Marine water	55.8 mg/l	-	-
PNEC	Marine sediments	284.7 mg/kg	-	-
PNEC	Microorganisms in sewage treatment	709 mg/l	-	-
PNEC	Soil (agricultural)	22.5 mg/kg	-	-

HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, < 2% AROMATICS

Type	Exposure	Value	Population	Effect
DNEL	Dermal (repeated dose)	208 mg/kg bw/day	Workers	Systemic
DNEL	Inhalation (repeated dose)	871 mg/m3/8H	Workers	Systemic
DNEL	Dermal (effects on fertility)	125 mg/kg bw/day	Consumers	Systemic
DNEL	Inhalation (repeated dose)	185 mg/m3/24H	Consumers	Systemic
DNEL	Oral	125 mg/kg bw/day	Consumers	Systemic

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

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

Hand protection: Protective gloves.

Eye protection: Tightly fitting safety goggles. Ensure eye bath is to hand.

Skin protection: Protective clothing.

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Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Colourless

Evaporation rate: No data available.

Oxidising: No data available.

Solubility in water: No data available.

Viscosity: No data available.

Boiling point/range°C: 74

Melting point/range°C: No data available.

Flammability limits %: lower: No data available.

upper: No data available.

Flash point°C: -6

Part.coeff. n-octanol/water: No data available.

Autoflammability°C: No data available.

Vapour pressure: No data available.

Relative density: No data available.

pH: No data available.

VOC g/l: No data available.

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.

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.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

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

Section 11: Toxicological information

11.1. Information on toxicological effects

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Hazardous ingredients:

1,3-DIOXOLANE

ORL	MUS	LD50	3200	mg/kg
ORL	RAT	LD50	3	g/kg
SKN	RAT	LD50	15	g/kg

1-METHOXY-2-PROPANOL

IVN	RAT	LD50	4200	mg/kg
ORL	MUS	LD50	11700	mg/kg
ORL	RAT	LDLO	3739	mg/kg

2-(2-BUTOXYETHOXY)ETHANOL

ORL	MUS	LD50	6050	mg/kg
ORL	RAT	LD50	4500	mg/kg

HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, < 2% AROMATICS

GASES	RBT	24H LD50	> 5000	mg/kg
ORAL	RAT	LD50	> 5000	mg/kg
VAPOURS	RAT	8H LC50	> 5000	mg/m3

Relevant hazards for product:

Hazard	Route	Basis
Serious eye damage/irritation	OPT	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 pain and redness. The eyes may water profusely. There may be severe pain.
The vision may become blurred. May cause permanent damage.

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

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:

[cont...]

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1,3-DIOXOLANE

BLUEGILL (<i>Lepomis macrochirus</i>)	96H LC50	>95.4	mg/l
Daphnia magna	48H EC50	>772	mg/l
GREEN ALGA (<i>Selenastrum capricornutum</i>)	72H EC50	877	mg/l

HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, < 2% AROMATICS

ALGAE	72H EbL50	>1000	mg/l
ALGAE	72H ErL50	>1000	mg/l
Daphnia magna	48H EL50	>1000	mg/l
RAINBOW TROUT (<i>Oncorhynchus mykiss</i>)	96H LL50	>1000	mg/l

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Readily absorbed into soil.

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: Negligible ecotoxicity.

Section 13: Disposal considerations

13.1. Waste treatment methods

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

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: UN1263

14.2. UN proper shipping name

Shipping name: PAINT RELATED MATERIAL

14.3. Transport hazard class(es)

Transport class: 3

14.4. Packing group

Packing group: II

[cont...]

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14.5. Environmental hazards

Environmentally hazardous: No

Marine pollutant: No

14.6. Special precautions for user

Special precautions: No special precautions.

Tunnel code: D/E

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.

Section 16: Other information

Other information

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

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: EUH031: Contact with acids liberates toxic gas.

EUH066: Repeated exposure may cause skin dryness or cracking.

H225: Highly flammable liquid and vapour.

H226: Flammable liquid and vapour.

H304: May be fatal if swallowed and enters airways.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

Legend to abbreviations: PNEC = predicted no effect concentration

DNEL = derived no effect level

LD50 = median lethal dose

LC50 = median lethal concentration

LDLO = lethal dose low

EC50 = median effective concentration

IC50 = median inhibitory concentration

dw = dry weight

bw = body weight

cc = closed cup

oc = open cup

MUS = mouse

GPG = guinea pig

RBT = rabbit

[cont...]

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HAM = hamster

HMN = human

MAM = mammal

PGN = pigeon

IVN = intravenous

SCU = subcutaneous

ORL = oral

SKN = skin

DRM = dermal

OCC = ocular/corneal

OPT = optical

ING = ingestion

INH = inhalation

PCP = physico-chemical properties

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.