

JOB DONE PATH & PATIO CLEANER

1/10

05816814

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Version: 1 / Great Britain

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

1.1 Product identifier

Trade name JOB DONE PATH & PATIO CLEANER

Product code 86600266

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

Use Algicide

1.3 Details of the supplier of the safety data sheet

Supplier SBM Life Science Ltd
Unit 2,
Techno Park,
Newmarket Road,
Cambridge,
CB5 8PB
Great Britain

Telephone +44 (0)1223 677611

Responsible Department E-mail: sds@sbm-company.com

1.4 Emergency telephone no.

Emergency telephone no. +1 813-676-1669

SBM

UK Emergency telephone no. +44 (0)800 3213079

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, as amended.

Skin corrosion: Category 1C
H314 Causes severe skin burns and eye damage.

Chronic aquatic toxicity: Category 3
H412 Harmful to aquatic life with long lasting effects.

Classification according to EU Directives 67/548/EEC or 1999/45/EC

C Corrosive, R35
R52/53

2.2 Label elements

Labelling in accordance with Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, as amended.

Hazard label for supply/use required.

Hazardous components which must be listed on the label:

- trisodium nitrilotriacetate

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Signal word: Danger

Hazard statements

- H314 Causes severe skin burns and eye damage.
- H412 Harmful to aquatic life with long lasting effects.
- EUH208 Contains 5-chloro-2-methyl-isothiazol-3-one/2-methyl-isothiazol-3-one. May produce an allergic reaction.

Precautionary statements

- P101 If medical advice is needed, have product container or label at hand.
- P102 Keep out of reach of children.
- P280 Wear protective gloves/protective clothing/eye protection.
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P308 + P311 IF exposed or concerned: Call a POISON CENTER/doctor/physician.
- P501 Dispose of contents/container to a household waste recycling centre as hazardous waste except for empty containers which can be disposed of in the dustbin. Contact your local council for details.

2.3 Other hazards

No other hazards known.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Chemical nature

Others (XX)
 Nitrilo triacetic acid, trisodium salt

Hazardous components

R-phrases according to EC directive 67/548/EEC
 Hazard statements according to Regulation (EC) No. 1907/2006

Name	CAS-No. / EC-No.	Classification		Conc. [%]
		EC Directive 67/548/EEC	Regulation (EC) No 1272/2008	
trisodium nitrilotriacetate	5064-31-3 225-768-6	Carc.Cat.3 R40 Xn; R22 Xi; R36	Carc. 2, H351 Acute Tox. 4, H302 Eye Irrit. 2, H319	3.00
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	68424-85-1 270-325-2	C; R34 Xn; R22 N; R50	Acute Tox. 4, H302 Skin Corr. 1B, H314 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	> 0.10 – < 0.25
Mixture of 5-Chlor-2-methyl-3(2H)-isothiazolon and 2-	55965-84-9 611-341-5	T; R23/24/25 C; R34 R43	Acute Tox. 3, H331 Acute Tox. 3, H311 Acute Tox. 3, H301	> 0.0002 – < 0.0015

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Methyl-2H- isothiazol-3-on		N; R50/53	Skin Corr. 1B, H314 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	
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Further information

Quaternary ammonium compounds, benzyl-C12-16- alkyldimethyl, chlorides	68424-85-1	M-Factor: 1 (acute), 10 (chronic)
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For the full text of the R-phrases/ Hazard statements mentioned in this Section, see Section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	Move to fresh air. Keep patient warm and at rest.
Skin contact	Wash off immediately with soap and plenty of water. Get medical attention if irritation develops and persists.
Eye contact	Remove contact lens and rinse eyes immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention if irritation develops and persists.
Ingestion	DO NOT induce vomiting unless directed to do so by a physician or poison control center. Rinse out mouth and give water in small sips to drink. Keep patient warm and at rest.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms	Local:., Corrosive effects, Burning sensation Systemic:., Diarrhoea, Vomiting, Nausea, Corrosive effects, Burning sensation
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4.3 Indication of any immediate medical attention and special treatment needed

Treatment	Local treatment: Initial treatment: symptomatic. Systemic treatment: Initial treatment: symptomatic. In case of ingestion gastric lavage should be considered in cases of significant ingestions only within the first 2 hours. However, the application of activated charcoal and sodium sulphate is always advisable.
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SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable	High volume water jet

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5.2 Special hazards arising from the substance or mixture	Dangerous gases are evolved in the event of a fire.
5.3 Advice for firefighters	
Special protective equipment for fire-fighters	In the event of fire and/or explosion do not breathe fumes. In the event of fire, wear self-contained breathing apparatus.
Further information	Remove product from areas of fire, or otherwise cool containers with water in order to avoid pressure being built up due to heat. Whenever possible, contain fire-fighting water by diking area with sand or earth.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Precautions Avoid contact with spilled product or contaminated surfaces. When dealing with a spillage do not eat, drink or smoke.

6.2 Environmental precautions Do not allow to get into surface water, drains and ground water. If spillage enters drains leading to sewage works inform local water company immediately. If spillage enters rivers or watercourses, inform the Environment Agency (emergency telephone number 0800 807060).

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal. Clean floors and contaminated objects with plenty of water.

Additional advice Check also for any local site procedures.

6.4 Reference to other sections Information regarding safe handling, see section 7.
Information regarding personal protective equipment, see section 8.
Information regarding waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling No specific precautions required when handling unopened packs/containers; follow relevant manual handling advice. Ensure adequate ventilation.

Advice on protection against fire and explosion No special precautions required.

Hygiene measures When using, do not eat, drink or smoke. Wash hands immediately after work, if necessary take a shower.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers Store in original container and out of the reach of children, preferably in a locked storage area. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from direct sunlight. Protect from freezing.

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Advice on common storage Keep away from food, drink and animal feedingstuffs.**7.3 Specific end uses** Refer to the label and/or leaflet.**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1 Control parameters**

No control parameters known.

8.2 Exposure controls**Refer to COSHH assessment (Control of Substances Hazardous to Health (Amendment) Regulations 2004). Engineering controls should be used in preference to personal protective equipment wherever practicable. Refer also to COSHH Essentials.****Personal protective equipment**

In normal use conditions personal protective equipment is not deemed to be necessary. If there is a potential for excessive exposure the following applies:

Respiratory protection

Respiratory protection is not required under anticipated circumstances of exposure.

Respiratory protection should only be used to control residual risk of short duration activities, when all reasonably practicable steps have been taken to reduce exposure at source e.g. containment and/or local extract ventilation. Always follow respirator manufacturer's instructions regarding wearing and maintenance.

Hand protection

Wear CE Marked (or equivalent) nitrile rubber gloves (minimum thickness of 0,4 mm). Wash when contaminated and dispose of when contaminated inside, when perforated or when contamination on the outside cannot be removed. Wash hands frequently and always before eating, drinking, smoking or using the toilet.

Eye protection

Wear goggles (conforming to EN166, Field of Use = 5 or equivalent) and faceshield (conforming to EN166, Field of Use = 3 or equivalent).

Skin and body protection

Wear standard coveralls and Category 3 Type 4 suit.

If there is a risk of significant exposure, consider a higher protective type suit.

Wear two layers of clothing wherever possible. Polyester/cotton or cotton overalls should be worn under chemical protection suit and should be professionally laundered frequently.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties****Form** liquid, clear**Colour** yellow**pH** 11.8 - 12.8 at 100 %**Density** ca. 1.03 g/cm³ at 20 °C**Water solubility** miscible**Partition coefficient: n-** Nitrioltriacetic acid trisodium salt: log Pow: -2.62

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octanol/water

9.2 Other information Further safety related physical-chemical data are not known.**SECTION 10: STABILITY AND REACTIVITY****10.1 Reactivity****Thermal decomposition** Stable under normal conditions.**10.2 Chemical stability** Stable under recommended storage conditions.**10.3 Possibility of hazardous reactions** No hazardous reactions when stored and handled according to prescribed instructions.**10.4 Conditions to avoid** Extremes of temperature and direct sunlight.**10.5 Incompatible materials** Acids, Store only in the original container.**10.6 Hazardous decomposition products** No decomposition products expected under normal conditions of use.**SECTION 11: TOXICOLOGICAL INFORMATION****11.1 Information on toxicological effects****Acute oral toxicity** ATE > 2,000 mg/kg
ATE – acute toxicity estimate**Acute inhalation toxicity** ATE > 5.0 mg/l
ATE – acute toxicity estimate**Acute dermal toxicity** ATE > 2,000 mg/kg
ATE – acute toxicity estimate**Skin irritation** corrosive (rabbit)**Eye irritation** corrosive (rabbit)**Sensitisation** Non-sensitizing. (guinea pig)**Assessment repeated dose toxicity**

Nitrilotriacetic acid trisodium salt did not cause specific target organ toxicity in experimental animal studies.

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides did not cause specific target organ toxicity in experimental animal studies.

Assessment Mutagenicity

Nitrilotriacetic acid trisodium salt was not mutagenic or genotoxic in a battery of in vitro and in vivo tests. Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides was not mutagenic or genotoxic in a battery of in vitro and in vivo tests.

Assessment Carcinogenicity

Nitrilotriacetic acid trisodium salt caused at high dose levels an increased incidence of tumours in the following organ(s): kidneys. The mechanism that triggers tumours in rodents is not relevant for the low exposures encountered under normal use conditions.

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides was not carcinogenic in lifetime feeding studies in rats and mice.

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Assessment toxicity to reproduction

Nitrilotriacetic acid trisodium salt did not cause reproductive toxicity in a two-generation study in rats. Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides did not cause reproductive toxicity in a two-generation study in rats.

Assessment developmental toxicity

Nitrilotriacetic acid trisodium salt did not cause developmental toxicity in rats and rabbits. Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides did not cause developmental toxicity in rats and rabbits.

Further information

The above values are calculated in accordance with Regulation (EC) 1272/2008.

SECTION 12: ECOLOGICAL INFORMATION**12.1 Toxicity**

Toxicity to fish	LC50 (Fish) 0.85 mg/l Exposure time: 96 h The value mentioned relates to the active ingredient Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides.
Toxicity to aquatic invertebrates	EC50 (Daphnia) 0.016 mg/l Exposure time: 48 h The value mentioned relates to the active ingredient Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides.
Toxicity to aquatic plants	EC50 (Algae) 0.02 mg/l Exposure time: 96 h The value mentioned relates to the active ingredient Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides.

12.2 Persistence and degradability

Biodegradability	Nitrilotriacetic acid trisodium salt: rapidly biodegradable Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides: rapidly biodegradable
Koc	Nitrilotriacetic acid trisodium salt: Koc: < 300 Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides: Koc: > 640000

12.3 Bioaccumulative potential

Bioaccumulation	Nitrilotriacetic acid trisodium salt: Bioconcentration factor (BCF) 3 Does not bioaccumulate. Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides: Bioconcentration factor (BCF) 79 Does not bioaccumulate.
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12.4 Mobility in soil

Mobility in soil	Nitrilotriacetic acid trisodium salt: Moderately mobile in soils Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides: Immobile in soil
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12.5 Results of PBT and vPvB assessment

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PBT and vPvB assessment Nitrilotriacetic acid trisodium salt: This substance is not considered to be persistent, bioaccumulative and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulative (vPvB).
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides: This substance is not considered to be persistent, bioaccumulative and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulative (vPvB).

12.6 Other adverse effects

Additional ecological information No other effects to be mentioned.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product Do not empty into drains.
Dispose of unused product in its container at a household waste site (civic amenity site).
Contact your local council (local authority) for details.

Contaminated packaging Dispose of empty container in the dustbin.
Follow advice on product label and/or leaflet.

SECTION 14: TRANSPORT INFORMATION

ADR/RID/ADN

14.1 UN number	3267
14.2 Proper shipping name	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (NITRILOTRIACETIC ACID SODIUM SALT SOLUTION)
14.3 Transport hazard class(es)	8
14.4 Packing group	III
14.5 Environm. Hazardous Mark	NO
Hazard no.	80
Tunnel Code	E

This classification is in principle not valid for carriage by tank vessel on inland waterways. Please refer to the manufacturer for further information.

IMDG

14.1 UN number	3267
14.2 Proper shipping name	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (NITRILOTRIACETIC ACID SODIUM SALT SOLUTION)
14.3 Transport hazard class(es)	8
14.4 Packing group	III
14.5 Marine pollutant	NO

IATA

14.1 UN number	3267
14.2 Proper shipping name	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (NITRILOTRIACETIC ACID SODIUM SALT SOLUTION)
14.3 Transport hazard class(es)	8

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14.4 Packing group III
14.5 Environm. Hazardous Mark NO

UK 'Carriage' Regulations

14.1 UN number **3267**
14.2 Proper shipping name CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.
(NITRILOTRIACETIC ACID SODIUM SALT SOLUTION)
14.3 Transport hazard class(es) 8
14.4 Packing group III
14.5 Environm. Hazardous Mark NO
Emergency action code 2X

14.6 Special precautions for user

See sections 6 to 8 of this Safety Data Sheet.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No transport in bulk according to the IBC Code.

SECTION 15: REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****UK and Northern Ireland Regulatory References**

This material may be subject to some or all of the following regulations (and any subsequent amendments). Users must ensure that any uses and restrictions as indicated on the label and/or leaflet are followed.

Transport

Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No 1348)
Merchant Shipping (Dangerous Goods and Marine Pollutants) Regulations 1997 (SI 1997 No 2367)
Air Navigation Dangerous Goods Regulations 2002 (SI 2002 No 2786)

Supply and Use

Chemical (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No 716)
Chemical (Hazard Information and Packaging for Supply) (Northern Ireland) Regulations 2009
Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No 2677)
EH40 Occupational Exposure Limits - Table 1 List of approved workplace exposure limits
Control of Pesticide Regulations 1986
Dangerous Substances and Explosive Atmospheres Regulations 2002

Waste Treatment

Environmental Protection Act 1990, Part II
Environmental Protection (Duty of Care) Regulations 1991
The Waste Management Licensing Regulations 1994 (as amended)
Hazardous Waste Regulations 2005 (Replacing Special Waste Regulations 1996 as amended)
Landfill Directive
Regulation on Substances That Deplete the Ozone Layer 1994 (EEC/3093/94)
Water Resources Act 1991
Anti-Pollution Works Regulations 1999

15.2 Chemical Safety Assessment

A chemical safety assessment is not required.

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SECTION 16: OTHER INFORMATION

Text of R-phrases mentioned in Section 3

R22	Harmful if swallowed.
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R34	Causes burns.
R36	Irritating to eyes.
R40	Limited evidence of a carcinogenic effect.
R43	May cause sensitisation by skin contact.
R50	Very toxic to aquatic organisms.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Text of the hazard statements mentioned in Section 3

H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H351	Suspected of causing cancer.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

The above information is intended to give general health and safety guidance on the storage and transport of the product.

It is not intended to apply to the use of the product for which purposes the product label and any appropriate technical usage literature available should be consulted and any relevant licenses, consents or approvals complied with.

The requirements or recommendations of any relevant site or working procedure, system or policy in force or arising from any risk assessment involving the substance or product should take precedence over any of the guidance contained in this safety data sheet where there is a difference in the information given.

The information provided in this safety data sheet is accurate at the date of publication and will be updated as and when appropriate.

No liability will be accepted for any injury, loss or damage resulting from any failure to take account of information or advice contained in this safety data sheet.

Reason for Revision: Initial version

Changes since the last version are highlighted in the margin. This version replaces all previous versions.