

JOB DONE TOUGH WEEDKILLER SACHETS 6/12
79237421

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Creation Date: 04.10.2018

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Version: 1 / Great Britain

**SECTION I: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE
COMPANY/UNDERTAKING****1.1 Product identifier**

Product Name	JOB DONE TOUGH WEEDKILLER SACHETS
Product code	86600114 / 86600115
Market Authorisation Number	MAPP 18197

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

Use	Herbicide REACH PC 27 SG : Water soluble granules Phytopharmaceutical product
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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
Phone number	+44 (0) 1223 677611
Responsible Department	Email: sds@sbm-company.com

1.4 Emergency telephone number

Emergency telephone Number SBM	+1 813-676-1669
UK Emergency telephone Number	+44 (0) 800 3213079

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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.

Physical Hazards:

No classification for physical hazards.

Health and Safety Hazards:

No classification for health and safety hazards.

Environmental Hazards:

No classification for environmental hazards.

2.2 Label elements

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

Non subject to regulatory labelling.

Hazardous components which must be listed on the label:

No hazardous components must be listed on the label.

Pictograms of hazards : No pictograms of hazards required.

Signal word : No signal word required.

Hazard statements : No hazard statements required.

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P501 Dispose of contents/container in accordance with national regulation.

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Additional mentions:

EUH401 To avoid risks to human health and the environment, comply with the instructions for use.

Additional labelling:

No additional labelling required.

2.3 Other hazards

None of the ingredients in the product meets the criteria for being PBT or vPvB.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.1 Substances**

Not concerned.

3.2 Mixtures**Chemical nature****Hazardous components**

Hazard statements in accordance with Regulation (EC) No. 1272/2008

Ingredients	CAS Number / EC Number / Index Number	REACH Number / recording	Classification Regulation 1272/2008/EC	Environmental Hazards	Conc % (w/w)
			Règlement 1272/2008/CE		
Glycine, N- (Phosphonomethyl)-	1071-83-6 213-997-4 607-315-00-8	/	Eye Dam. 1, H318 Aquatic Chronic 2, H411	/	60,0 < x < 80,0
Tallow alkyl amines, hydrogenated, ethoxylated	61790-82-7 612-385-8 /	/	Aquatic Chronic 2, H411	/	1,0 < x < 5,0

Further information

For full text of H-statements and R sentences : see SECTION 16.

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SECTION 4: FIRST AID MEASURES**4.1 Description of first aid measures**

General advice	Have container, label or safety data sheet of the product when you call an emergency number, a poison center, a doctor / physician or when you need to consult for a treatment.
Inhalation	In case of illness, move the victim to fresh air and keep her warm and at rest. If symptoms persist, get medical attention.
Eye contact	Rinse immediately with plenty of water, also under the eyelids during at least 15 minutes. Remove contact lenses if it is possible and continue to rinse. Get medical attention if irritation develops and persists.
Skin contact	Remove contaminated clothing and footwear. Flush skin with water. Wash with water and soap. In case of irritation or redness, get medical attention. Wash clothes before reuse.
Ingestion	Immediately rinse mouth and drink milk or water. DO NOT induce vomiting unless directed to do so by a physician. DO NOT give something to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms	No significant adverse health effects are expected if only small amounts (less than a mouthful) are swallowed. Ingestion of similar formulations has been reported to produce gastrointestinal discomfort with nausea, vomiting and diarrhea. Ingestion of large quantities of a similar product has been reported to result in hypotension and lung oedema.
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4.3 Indication of any immediate medical attention and special treatment needed

Hazards	Mucous membrane irritation.
Treatments	No specific antidote known. Symptomatic treatment.

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The irritating effects of this product can be treated as usual against effects of acids or acid fumes. Possible mucosal damage may contraindicate the use of gastric lavage.

SECTION 5: FIREFIGHTING MEASURES**5.1 Extinguishing media**

Suitable	Carbon dioxide (CO ₂), dry chemical, for small fires. Water spray, alcohol-resistant foam for large fires.
Unsuitable	High volume water jet.

5.2 Special hazards arising from the substance or mixture

Special hazards arising from the substance or mixture	The essential breakdown products are carbon monoxide, carbon dioxide, phosphorus pentoxide and nitrogen oxides.
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5.3 Advice for firefighters

Special protective equipment for firefighters	Wear protection clothing for all the body, complete equipment. Wear self-contained breathing apparatus.
Further information	Stay upstream of the flames. Fight fire from protected location or maximum possible distance. Approach fire from upwind to avoid hazardous vapours and toxic decomposition products. Cool the containers of the product with water. Do not let the extinguishing waters going into the environment.

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SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures****For non-emergency personnel**

Ensure adequate ventilation. Avoid contacts with eyes.

Stop the source of the spill immediately if safe to do so. Avoid and reduce dust formation as much as possible, if appropriate by moistening.

For emergency responders

Ensure adequate ventilation. Wear an adequate individual protective equipment.

6.2 Environmental precautions**Environmental precautions**

Contain the spill to prevent any further contamination of surface, soil or water.

6.3 Methods and materials for containment and cleaning up**Methods for containment**

Contain the spread and if possible, recover material.

Methods for cleaning up

Minor spills on the floor or other impervious surface should be swept up or preferably vacuumed up using equipment with high efficiency final filter. Transfer to suitable containers. Clean area with strong industrial detergent and much water. Absorb wash liquid onto a suitable absorbent such as hydrated lime, universal binder, bentonite or other absorbent clays and transfer to suitable containers.

Large spills which soak into the ground should be dug up and transferred to suitable containers.

Spills in water should be contained as much as possible by isolation of the contaminated water. The contaminated water must be collected and removed for treatment or disposal.

Additional advice

No additional advice.

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6.4 Reference to other sections

Reference to other sections	See measures for protection into the sections 8 and 13.
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SECTION 7: HANDLING AND STORAGE**7.1 Precautions for safe handling**

Advice on safe handling	It is recommended to avoid all personal contact with the product, if possible by using closed systems with remote system control.
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The material should be handled by mechanical means as much as possible. Adequate ventilation or local exhaust ventilation is required.

Advice on protection against fire and explosion	No information available.
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Hygiene measures	After work and before eating, drinking or smoking, wash hands. Uncleaned clothes must stay in the area of work.
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7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers	Store in the original container, away from pets. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from direct sunlight and from freezing. Started products must be gingerly closed and stored in a vertical position.
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Advice on common storage	Keep away from food, drink and animal feedingstuffs.
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Suitable materials	The product or its spray solutions should be stored in stainless steel, aluminium, fiberglass, plastic or plastic-lined containers only.
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7.3 Specific end use(s)

Specific end use(s)	Pesticide which may only be used by dilution. Refer to the label and / or leaflet.
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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters**

For the mixture, control parameters are not known and no values for exposure limits have been determined.

The components, mentioned in the section 3, don't have values for professional exposure limits according to harmonized database.

Further information:

Glyphosate free acid :

DNEL, systemic 0,2 mg/kg bw/day

PNEC, aquatic 0,028 mg/l

8.2 Exposure controls**Appropriate engineering controls**

Appropriate engineering controls	Eyes showers and safety showers must be placed close to the work area.
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Individual protective measures, such as personal protective equipment

All the measures for collective protection should be set and use before to consider the use of personal protective equipment. In normal use and handling conditions please refer to the label and/or leaflet. In all other cases the following recommendations would apply.

Respiratory protection	The product is not likely to present an airborne exposure concern during normal handling.
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No particular respiratory protection recommended.

Hand protection	After manipulation of the product, wash carefully hands.
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It is recommended to wear heavy duty, natural rubber gloves in conformity with the norm NF EN 374. Dispose of gloves when contaminated inside, when perforated or when contamination on the outside cannot be remove.

Eye protection	Avoid contact with eyes.
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It is recommended to wear safety glasses, goggles or face shield in conformity with the norm NF EN 166.

Skin and body protection

Wear appropriate chemical resistant clothing to prevent skin contact depending on the extent of exposure.

During most normal work situations where exposure to the material cannot be avoided for a limited time span, waterproof pants and apron of chemical resistant material or coveralls of polyethylene (PE) will be sufficient.

Thermal protection

No information available.

Environmental exposure controls**Environmental exposure controls**

No particular environmental exposure controls required.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

Appearance	Solid, granulated
Colour	White
Odour	Practically odourless to slight amine-like odour.
Odour threshold	Not determined
pH	Approx. 4 (1% solution in water)
Melting point / freezing point	Decomposes
Initial boiling point and boiling range	Decomposes
Flash Point	Not determined
Evaporation rate	Not determined

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Flammability (solid, gas)	Not highly flammable
Upper / lower flammability or explosive limits	Not determined
Vapour pressure	$1,31 \cdot 10^{-5}$ Pa (25°C) for glyphosate free acid.
Vapour density	Not determined
Relative density	Not determined
Solubility in water	424 g/l for glyphosate ammonium (20°C)
Partition coefficient: n-octanol / water	Log K_{ow} = -3,4 (20°C) for glyphosate free acid
Auto-ignition temperature	None below 222°C
Decomposition temperature	Decomposition starts at 190°C.
Dynamic viscosity	Not concerned
Explosive properties	Not explosive
Oxidising properties	Not oxidising

9.2 Other information

Tap density	0,73
Miscibility	Miscible with water.

SECTION 10: STABILITY AND REACTIVITY**10.1 Reactivity**

Thermal decomposition	See below.
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10.2 Chemical stability

Chemical stability The product is stable during normal handling and storage at ambient temperatures.

10.3 Possibility of hazardous reactions

Possibility of hazardous reactions None known.

10.4 Conditions to avoid

Conditions to avoid Heating of the product will produce harmful and irritant vapours.

10.5 Incompatible materials

Incompatible materials Do not store this product in galvanized or unlined steel containers. The product may react with such containers to produce hydrogen gas which could flash or explode if ignited. Stainless steel may be used.

10.6 Hazardous decomposition products

Hazardous decomposition products No information available.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects**

Acute oral toxicity DL50 > 5 000 mg/kg – Rat, OECD 425 -

Acute inhalation toxicity Not applicable.

Acute dermal toxicity DL50 > 2 000 mg/kg – Rat, OECD 402 -

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**Skin irritation /
corrosion**

Mildly irritating to skin – OECD 404 -

**Serious eye damage /
irritation**

Mildly irritating to eyes – OECD 405 -

**Respiratory
sensitisation**No information available. Based on available data, the classification
criteria are not met.**Skin sensitisation**

Not sensitizing – OECD 429 -

Carcinogenicity :

No information available. Based on available data, the classification criteria are not met.

Germ cell mutagenicity :

No information available. Based on available data, the classification criteria are not met.

Reproductive toxicity and fertility :

No information available. Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure / repeated exposure) :

Single Exposure : To our knowledge, no specific effects have been observed after single exposure.

No information available. Based on available data, the classification criteria are not met.

Repeated Exposure : In long-term studies with glyphosate free acid, the first minor effects (body weight and liver weight changes) were noted in rats at exposure levels of 60 - 100 mg glyphosate/kg bw/day. No signs of toxicity were found at any level, including the highest exposure level of 4800 mg glyphosate/kg bw/day.

[Glyphosate free acid]

Aspiration hazard:

The mixture does not present an aspiration hazard.

Other information

No other information available.

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SECTION 12: ECOLOGICAL INFORMATION**12.1 Toxicity****Toxicity to fish**

LC50 > 100 mg/l

Oncorhynchus mykiss

96 Hours

Mixture

Toxicity to aquatic invertebrates

EC50 > 100 mg/l

Daphnia magna

48 Hours

Mixture

Toxicity to aquatic plants

EC50 = 91,6 mg/l

Desmodemus subspicatus

72 Hours

Mixture

Toxicity to aquatic plants

EC50 = 28 mg/l

Lemna gibba

7 Days

Mixture

Toxicity for bees

LD50 oral, 48 H > 100 µg/bee

LD50 contact, 48 H > 100 µg/bee

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Toxicity for earth-worms

LD50, 14 days > 1 000 mg/kg dry soil

Toxicity for birds

No information available.

12.2 Persistence and degradability**Biodegradability**

Glyphosate is not readily biodegradable. It undergoes slow degradation in the environment and in waste water treatment plants. No adverse effects are found at concentrations up to 100 mg/l in waste water treatment plants. Degradation is mainly microbiological and aerobic, but anaerobic degradation does also occur.

Primary degradation half-lives in the environment vary much with circumstances, but are usually around 3 - 30 days in aerobic soil and water.

The product contains minor amounts of not readily biodegradable ingredients, which may not be degradable in a waste water treatment plant.

Koc

No information available.

12.3 Bioaccumulative potential**Bioaccumulation**

No information available for the mixture.

Glyphosate is not expected to bioaccumulate. In several studies on bioaccumulation of glyphosate, both in marine and freshwater systems, only low bioaccumulation factors were found.

12.4 Mobility in soil**Mobility in soil**

No information available for the mixture.

In the environment glyphosate is not mobile, but is rapidly deactivated by adsorption to clay particles. Glyphosate binds strongly to soil.

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

The substance does not meet the criteria for being PBT or vPvB.

12.6 Other adverse effects**Additional ecological
information**

No information available. See the label of the product for additional instructions concerning the precautions measures for the environment that have to be taken during the manipulation of the product.

SECTION 13: DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods****Generalities**

Handle non-cleaned product like it is the product itself.

Avoid subsoil penetration.

Do not mix the product or container with other waste.

Product

The unused product must be incinerated in an installation approved by the competent authorities.

**Contaminated
packaging**

DO NOT reuse empty packaging. Not completely emptied packagings should be disposed of as hazardous waste. Dispose of contents / containers in accordance with local regulations.

SECTION 14: TRANSPORT INFORMATION

No classification for transport required.

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ADR/RID/ADN

14.1 UN number	Not applicable.
14.2 Proper shipping name	Not applicable.
14.3 Transport hazard class(es)	Not applicable.
14.4 Packing group	Not applicable.
14.5 Environm.	Not applicable.
Hazardous Mark	
Hazard no.	Not applicable.

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	Not applicable.
14.2 Proper shipping name	Not applicable.
14.3 Transport hazard class(es)	Not applicable.
14.4 Packing group	Not applicable.
14.5 Marin pollutant	Not applicable.

IATA

14.1 UN number	Not applicable.
14.2 Proper shipping name	Not applicable.
14.3 Transport hazard class(es)	Not applicable.
14.4 Packing group	Not applicable.
14.5 Environm.	Not applicable.
Hazardous Mark	

14.6 Special precautions for user

No special precautions for user required.

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

Not concerned.

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SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Further information

Conformity with REACH annexes Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) (as amended).

Conformity with CLP Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Specific provisions:

No specific provisions.

15.2 Chemical Safety Assessment

A chemical safety assessment is not required.

SECTION 16: OTHER INFORMATION

Text of the hazard statements (H sentences) mentioned in Sections 2 and 3:

H318 Causes serious eye damage.
H411 Toxic to aquatic life with long lasting effects.

Text of hazards classes and categories mentioned in Sections 2 and 3:

Eye Dam. 1 Serious eye damage/eye irritation – Category 1 -
Aquatic Chronic 2 Hazardous to the aquatic environment (long term) – Category 2 -

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Abbreviations and acronyms

ADI	Acceptable Daily Intake
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ARfD	Acute Reference Dose
A.S	Active Substance
ATE	Acute toxicity estimate
BCF	Bioconcentration Factor
CAS-Nr.	Chemical Abstracts Service number
CLP	Classification, Labelling, Packaging regulation
Conc.	Concentration
DMEL	Derived Minimal Effect Levels
DNEL	Derived No Effect Level
EC-No.	European community number
ECx	Effective concentration to x %
EINECS	European inventory of existing commercial substances
ELINCS	European list of notified chemical substances
EN	European Standard
EU	European Union
IATA	International Air Transport Association
IBC	International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IBC Code)
ICx	Inhibition concentration to x %
IMDG	International Maritime Dangerous Goods
Koc	Absorption Coefficient
LCx	Lethal concentration to x %
LDx	Lethal dose to x %
LOEC/LOEL	Lowest observed effect concentration/level
MARPOL	MARPOL: International Convention for the prevention of marine pollution from ships
NOEC/NOEL	No observed effect concentration/level
N.O.S.	Not otherwise specified
OECD	Organization for Economic Co-operation and Development
OSHA	Occupational Safety and Health Administration
PBT	Persistent, Bioaccumulative and Toxic substances
PNEC	Predicted No Effect Concentration
Pow	Partition coefficient: n-octanol / water
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
STOT	Specific Target Organ Toxicity
SVHC	Substance of Very High Concern
TWA	Time weighted average
vPvB	Very Persistent and Very Bioaccumulative
UN	United Nations
WHO	World health organisation

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Methods used for classification:

The classification of the product "Job Done Path weedkiller Sachets" was calculated according to the methods described in EC 1272/2008 regulation, with regards to the dangers for the environment and for health.

Further information:

Note from SBM Life Science: This SDS was elaborated according to the SDS of the producer of the product.

Purpose of the reviewing:

Initial version of the Safety Data Sheet.

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

Additional information:

The information contained within this Safety Data Sheet is in accordance with the guidelines established by Regulation (EU) 1907/2006 and Regulation (EU) 2015/830 amending Regulation (EU) No 1907/2006 and any subsequent amendments. This data sheet complements the user's instructions, but does not replace them. The information it contains is based on the knowledge and the legislative and regulatory texts available about the product concerned at the time it was compiled. Users are further reminded of the possible risks of using a product for purposes other than those for which it was intended. The information given in this data sheet have to be consider as a description of the requirements for the product and not consider as a guarantee or a quality specification concerning its properties. The required information complies with current EEC legislation. Addressees are requested to observe any additional national requirements.