

SAFETY DATA SHEET

WEED CONTROL SURFACTANT (WCS)

1.1 Product identifier

GHS Product Identifier

Weed control Surfactant (WCS)

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

Chemical Name

Alkyl/polyglycoside

Other

APG

CAS No.

Mixture

EINECS No.

Mixture

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

Identified use(s)

Agricultural foaming agent, surfactant

Uses advised against

None known.

1.3 Details of the supplier of the safety data sheet

Company Identification

**MWK INC.
45 FELDLAND St. SUITE A
BOHEMIA, NY 11716**

Telephone

631-599-6162

Fax

631-599-6162

E-Mail (competent person)

info@moonshineweekiller.com

1.4 Emergency telephone number

Emergency Phone No.

1800-255-3924

2. SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

2.1.1 Regulation (EC) No. 1272/2008 (CLP)

Preparation is not classified as hazardous according to Regulation EC 1272/2008

2.1.2 Directive 1999/45/EC

Preparation is not classified as hazardous according to Directive 1999/45/EC.

2.2 Label elements

According to Regulation (EC) No. 1272/2008 (CLP)

2.2.1 Label elements

GHS Product Identifier

WCS

Hazard pictogram(s)

Not applicable

Signal word(s)

Not applicable

Hazard statement(s)

Not applicable

	Precautionary statement(s)	Safety data sheet available on request.
2.2.2	Label elements	Classification according to Dangerous Product Regulations incl. EC Directives
	Hazard classification	Not applicable
	Risk Phrases	Not applicable
	Safety Phrases	Not applicable.
2.3	Other hazards	Not applicable
2.4	Additional Information	Contains: Irritant ingredient. Avoid contact with eyes.

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

EC Classification No. 1272/2008

Hazardous Ingredient(s)	%W/W	CAS No.	EC No.	Hazard statement(s)
Decyloctylglycoside	10-15 %	68515-73-1	500-220-1	H318

EC Classification No. 67/548/EEC

Hazardous Ingredient(s)	%W/W	CAS No.	EC No.	Classification and Risk Phrases
Decyloctylglycoside	10-15 %	68515-73-1	500-220-1	R41

3.3 Additional Information

For full text of R/H/P phrases see section 16.

4. SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation

Unlikely route of exposure. Remove persons affected by vapor to fresh air. Apply artificial respiration if breathing has ceased or shows signs of failing. Administer oxygen if necessary. If symptoms develop, obtain medical attention.

Skin Contact

Remove contaminated clothing and wash affected skin with plenty of water. Wash contaminated clothing before reuse. If symptoms develop, obtain medical attention.

Eye Contact

If substance has gotten into the eyes, immediately wash out with plenty of water for at least 10 minutes. If symptoms develop, obtain medical attention.

Ingestion

Provided the patient is conscious, wash out mouth with water and give 200-300 ml (half a pint) of water to drink. Do not induce vomiting. If symptoms develop, obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Irritation, Coughing. Nausea. Vomiting.

4.3 Indication of the immediate medical attention and special treatment needed

Increased difficulty in breathing.

5. SECTION 5: FIRE-FIGHTING MEASURES

- | | |
|--|--|
| 5.1 Extinguishing media
Suitable Extinguishing Media
Unsuitable Extinguishing Media | As appropriate for surrounding fire.
None known. |
| 5.2 Special hazards arising from the substance or mixture | None known. |
| 5.3 Advice for fire-fighters | Self-contained breathing apparatus to be worn if involved in fire. |

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

- | | |
|--|---|
| 6.1 Personal precautions, protective equipment and emergency procedures | Put on protective clothing. Avoid contact with skin and eyes. |
| 6.2 Environmental precautions | Wash the spillage area with water. |
| 6.3 Methods and material for containment and cleaning up | Adsorb spillages onto sand, earth, or any suitable adsorbent material. Transfer to a container for disposal.
To be disposed of as hazardous waste. |
| 6.4 Reference to other sections | See Section: 8 (EXPOSURE CONTROLS/PERSONAL PROTECTION) & 13 (DISPOSAL CONSIDERATIONS) |

7. SECTION 7: HANDLING AND STORAGE

- | | |
|---|--|
| 7.1 Precautions for safe handling | General hygiene measures for the handling of chemicals are applicable. Avoid contact with skin and eyes. Use only in well-ventilated areas. |
| 7.2 Conditions for safe storage, including any incompatibilities
Storage Temperature
Storage Life
Incompatible materials
Other information | Keep only in the original container in a cool, well-ventilated place. Keep containers properly sealed when not in use.
< 40 degC.
1 Year
Strong oxidizing and reducing agents.
Keep away from direct sunlight. |

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- | | |
|--|---|
| 8.1 Control parameters | |
| 8.1.1 Occupational Exposure Limits

LTEL (8 hr. TWA mg/m ³)
LTEL (8 hr. TWA mg/m ³) | WEL: Workplace Exposure Limit (UK HSE EH40)

Not applicable.
Not applicable. |
| 8.2 Exposure controls | |
| 8.2.1 Appropriate engineering controls | Provide adequate ventilation when using the material and follow the principles of good occupational hygiene to control personal exposures. |
| 8.2.2 Personal protection equipment
Eye/face protection

Skin protection (Hand protection/ Other) | Safety spectacles/goggles. EN166 if splashing is likely

Plastic or rubber gloves : EN374-3.
Apron or other light protective clothing. |



Respiratory protection



Other

Provide adequate ventilation. No personal respiratory protective equipment is normally required.

Guarantee that the eye flushing systems are located close to the working place. Do not eat, drink, or smoke when using this product. Wash hands before breaks and after work.

8.2.3 Environmental Exposure Controls

No specific waste water treatment required.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties (Mixture)

Appearance	Colorless to yellowish liquid.
Color	Pale yellow
Odor	Almost Odorless
Odor Threshold (ppm)	Not available.
pH (Value)(10% solution in water at 20 degC)	4 - 5
Melting Point (°C) / Freezing Point (°C)	< 0 degC
Boiling point/boiling range (°C):	> 100 degC
Flash Point (°C) [Closed cup]	Not applicable
Evaporation rate (Butyl acetate = 1)	<< 1
Explosive limit ranges	Not applicable.
Vapor Pressure (mmHg)	< 1 mmHg at 20 degC
Vapor Density (Air=1)	Not applicable.
Density (g/ml)	1.05 to 1.10 at 20 degC
Solubility (Water)	Miscible
Solubility (Other)	Not Soluble in most organic solvents.
Partition Coefficient (n-Octanol/water)	< 0.07 (calculated)
Auto Ignition Temperature (°C)	Not applicable
Decomposition Temperature (°C)	> 200 degC
Viscosity (mPa.s)	200 - 400
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing

9.2 Other information

10. SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Reacts with - Strong oxidizing and reducing agents
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	None known.
10.4 Conditions to avoid	The product may decompose if heated to temperatures above (40°C):
10.5 Incompatible materials	Strong oxidizing and reducing agents.
10.6 Hazardous Decomposition Product(s)	None known

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

11.1.1 Product

Acute toxicity

Ingestion	LD50 > 5 000 mg/kg (rat)
Inhalation (4 hrs.)	Not applicable
Skin Contact	LD50 > 2 000 mg/kg
Skin corrosion/irritation	Non-irritant.
Serious eye damage/irritation	Mild irritant to the eye.
Respiratory or skin sensitization	It is not a skin sensitizer in animal tests.
Mutagenicity	There is no evidence of mutagenic potential.
Carcinogenicity	No evidence of carcinogenicity.
Reproductive toxicity	No evidence of reproductive toxicity.
STOT-single exposure	Inhalation : Irritating to respiratory system.
	Ingestion : Will cause irritation of the gastrointestinal tract.
STOT-repeated exposure (91 Days.)	No data

11.2 Other information

12. SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity (Product)	
(Fish) (96hrs)	LC50 >100 mg/ l
(Daphnia magna) (48hrs)	EC50 >100 mg/l
(Algae) (72hrs)	EC50 > 100 mg/l(Scenedesmus sub.)
12.2 Persistence and degradability	Readily biodegradable.
12.3 Bioaccumulative potential (96 hrs.)	The product has no potential for bioaccumulation.
12.4 Mobility in soil	This product is predicted to degrade in soil.
12.5 Results of PBT and vPvB assessment	Not classified as PBT or vPvB.
12.6 Other adverse effects	

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	Normal disposal is via incineration operated by an accredited disposal contractor. Consult an accredited waste disposal contractor or the local authority for advice.
13.2 Additional Information	

14. SECTION 14: TRANSPORT INFORMATION

14.1 Land transport (ADR/RID)	
UN number	Not classified according to the United Nations 'Recommendations on the Transport of Dangerous Goods.'
14.2 Sea transport (IMDG)	
UN number	Not classified according to the United Nations 'Recommendations on the Transport of Dangerous Goods.'
14.3 Air transport (ICAO/IATA)	
UN number	Not classified according to the United Nations 'Recommendations on the Transport of Dangerous Goods.'

15. SECTION 15: REGULATORY INFORMATION

15.1 Safety, health, and environmental regulations/legislation specifically for the substance or mixture	
15.1.1 EU regulations	
Authorizations and/or restrictions on use	Regulation EC 648/2004 (Detergents) : This product is > 90% biodegradable in water.
15.1.2 National regulations (UK)	The Detergents Regulations 2010

16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: Sections#2,#4,#6 (Labelling, First Aid, Accidental release measures)

References:

European Chemicals Agency
European Chemicals Bureau
European Regulations and Directives
Published chemical directories
Suppliers' safety data sheets
UK Health and Safety Executive
US Environmental Protection Agency

Risk Phrases

R41: Risk of serious damage to eyes.

Safety Phrases

S24/25: Avoid contact with skin and eyes.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28: After contact with skin, wash immediately with plenty of water.
S37/39: Wear suitable gloves and eye/face protection.

Hazard statement(s)

H318: Causes serious eye damage.

Precautionary statement(s)

P262: Do not get in eyes, on skin, or on clothing.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P303 + P361 + P353: IF ON SKIN (or hair): Remove/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.

Additional Information

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose **MWK Inc.** gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. **MWK Inc** accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.