



SAFETY DATA SHEET

MOSI-GUARD NATURAL STICK

According to Regulation (EC) No 1907/2006

1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

PRODUCT NAME MOSI-GUARD NATURAL STICK 50mls

APPLICATION Insect repellent

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2 HAZARDS IDENTIFICATION

Irritating to eyes

CLASSIFICATION Xi; R36

HUMAN HEALTH Irritating to eyes

3 COMPOSITION / INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
1,3-BUTYLENE GLYCOL	203-529-7	107-88-0	36-50%	-
CETYL ALCOHOL	253-149-0	36653-82-4	0.5-5.0%	Xi; R38
CIS- AND TRANS-P-MENTHANE-3,8-DIOL MIXTURE	255-953-7	42822-86-6	10-30%	Xi; R36
GLYCEROL	200-289-5	56-81-5	10-30%	-

The full text for all R-phrases are displayed in Section 16

4 FIRST-AID MEASURES

INHALATION Not relevant.

INGESTION May cause discomfort if swallowed. May cause nausea, headache, dizziness and intoxication. Rinse mouth thoroughly. Do not induce vomiting. Get medical attention.

SKIN CONTACT Not relevant.

EYE CONTACT Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Contact physician if irritation persists.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Do not use water jet as an extinguisher, as this will spread the fire.

SPECIAL FIRE FIGHTING PROCEDURES Avoid breathing fire vapours. Fight advanced or massive fires from safe distance or protected location.

SPECIFIC HAZARDS Fire creates: Carbon monoxide (CO). Carbon dioxide (CO₂).

PROTECTIVE MEASURES IN FIRE Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS Wear protective clothing as described in Section 8 of this safety data sheet.

SPILL CLEAN UP METHODS Collect in containers and seal securely. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS Read and follow manufacturer's recommendations. Keep away from heat, sparks and open flame. Avoid contact with eyes.

STORAGE PRECAUTIONS Avoid heat. Store in tightly closed original container in a dry, cool and well-ventilated place. Keep out of the reach of children.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m ³	ST - ppm	ST - mg/m ³
GLYCEROL	WEL		10 mg/m ³ (mist)		

INGREDIENT COMMENTS WEL = Workplace Exposure Limits

EYE PROTECTION Avoid contact with eyes

HYGIENE MEASURES When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Waxy solid.
COLOUR	Pale yellow-brown
ODOUR	Characteristic
MELTING POINT (°C)	65°C - 67°C

10 STABILITY AND REACTIVITY

STABILITY	Stable under normal temperature conditions and recommended use
CONDITIONS TO AVOID	Avoid heat
HAZARDOUS DECOMPOSITION PRODUCTS	During fire, toxic gases (CO, CO ₂) are formed

11 TOXICOLOGICAL INFORMATION

INHALATION	No specific health warnings noted
INGESTION	May cause discomfort if swallowed
SKIN CONTACT	No specific health warnings noted
EYE CONTACT	Irritating to eyes

Name:	1,3-BUTYLENE GLYCOL
Toxic Dose 1 - LD 50	18,610 mg/kg (oral rat)
Toxic Dose 2 - LD 50	> 20,000 mg/kg (derm rab)

Name	CIS AND TRANS P-MENTHANE-3,8-DIOL
MIXTURE	
Toxic Dose 1 - LD 50	> 2g/kg (oral rat)

12 ECOLOGICAL INFORMATION

ECOTOXICITY	The product is not expected to be hazardous to the environment
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13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS	Dispose of waste and residues in accordance with local authority requirements. Recover and reclaim or recycle, if practical.
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14 TRANSPORT INFORMATION

GENERAL The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

15 REGULATORY INFORMATION

LABELLING



Irritant

RISK PHRASES R36 Irritating to eyes

SAFETY PHRASES S2 Keep out of the reach of children
S25 Avoid contact with eyes
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S46 If swallowed, seek medical advice immediately and show this container or label.

EU DIRECTIVES Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

STATUTORY INSTRUMENTS
Chemicals (Hazard Information and Packaging) Regulations.

APPROVED CODE OF PRACTICE
Classification and Labelling of Substances and Preparations Dangerous for Supply.

GUIDANCE NOTES
Workplace Exposure Limits EH40.

16 OTHER INFORMATION

REVISION DATE 05-2008

REV. NO. / REPL. SDS 1/01-2001
GENERATED

RISK PHRASES IN FULL NC Not classified
R36 Irritating to eyes
R38 Irritating to skin