

10000M012 - SUUNTO COMPASS LIQUID

Date 26.8.2014

Previous date: 17.11.2008

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifier****1.1.1 Commercial Product Name**

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1.2 Relevant identified uses of the substance or mixture and uses advised against**1.2.1 Recommended use**

Industrial use

1.3 Details of the supplier of the safety data sheet**1.3.1 Supplier**

Suunto Oy

P.O.Box

Valimotie 7

Postcode and post office

01510 VANTAA

FINLAND

Telephone

+358-9-875 870

Telefax

+358-9-875 87301

Email

support@suunto.com

1.4 Emergency telephone number**1.4.1 Telephone number, name and address**

+ 358-9-4711

Poison Information Centre

SECTION 2. HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture****1272/2008 (CLP)**

Asp. Tox. 1, H304

EUH066

67/548/EEC - 1999/45/EC

Xn; R65-66

2.2 Label elements**1272/2008 (CLP)**

GHS08

Signal word

Danger**Hazard Statements**

H304

May be fatal if swallowed and enters airways.

EUH066

Repeated exposure may cause skin dryness or cracking.

Precautionary Statements

P210

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P301+P310

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P331

Do NOT induce vomiting.

P370+P378

In case of fire: Use water spray, foam, dry chemical or carbon dioxide for extinction.

P280

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

2.3 Other hazards**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS****Hazardous components**

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CAS/EC and Reg.number	EINECS	Chemical name of the substance	Concentration	Classification
90622-58-5	920-901-0	Hydrocarbones, C11-C13, isoalkanes, < 2% aromatics	90-100 %	Xn; R65; R66 Asp. Tox. 1, H304; EUH066

SECTION 4. FIRST AID MEASURES**4.1 Description of first aid measures****4.1.2 Inhalation**

Remove person to fresh air. If signs/symptoms continue, get medical attention.

4.1.3 Skin contact

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

4.1.4 Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 10 minutes. Call a physician if irritation persists.

4.1.5 Ingestion

If swallowed, call a poison control centre or doctor immediately. Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

There is no data available for this product.

4.3 Indication of immediate medical attention and special treatment needed

Aspiration may cause pulmonary oedema and pneumonitis. Treat symptomatically.

SECTION 5. FIREFIGHTING MEASURES**5.1 Extinguishing media****5.1.1 Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.1.2 Extinguishing media which must not be used for safety reasons

Do NOT use water jet.

5.2 Special hazards arising from the substance or mixture

Oxides of carbon, smoke, fume, incomplete combustion products.

5.3 Advice for firefighters

Evacuate personnel to safe areas. Wear full protective clothing and self-contained breathing apparatus. Prevent fire extinguishing water from contaminating surface water or the ground water system. In the event of fire, cool tanks with water spray.

SECTION 6. ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

Provide adequate ventilation. Avoid contact with combustible material (paper, wool, oil).

6.2 Environmental precautions

Do not allow contact with soil, surface or ground water.

6.3 Methods and materials for containment and cleaning up

Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

6.4 Reference to other sections**SECTION 7. HANDLING AND STORAGE**

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- 7.1 Precautions for safe handling**
Do not get in eyes. Sweep up to prevent slipping hazard.
- 7.2 Conditions for safe storage, including any incompatibilities**
Keep in a cool, well-ventilated place.
- 7.3 Specific end use(s)**
No information available.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters**
- 8.1.1 Threshold limits**
Hydrocarbones, C11-C13, 500 mg/m³ (8 h)
isoalkanes, < 2%
aromatics
- 8.1.2 Other information on limit values**
No information available.
- 8.1.3 Limit values in other countries**
No information available.
- 8.1.4 DNELs**
No information available.
- 8.1.5 PNECs**
No information available.
- 8.2 Exposure controls**
- 8.2.1 Appropriate engineering controls**
Always observe good personal hygiene measures and the given safety instructions. Provide adequate ventilation
- 8.2.2 Individual protection measures**
- 8.2.2.1 Respiratory protection**
This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A according to standard EN 143) is used.
- 8.2.2.2 Hand protection**
For prolonged or repeated contact use protective gloves. Glove material: Nitrile rubber.
- 8.2.2.3 Eye/face protection**
If splashes are likely to occur, wear: Safety glasses with side-shields
- 8.2.2.4 Skin protection**
Protective clothing
- 8.2.3 Environmental exposure controls**
No information available.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 Important Health Safety and Environmental Information**
- 9.1.1 Appearance**
clear, colourless liquid
- 9.1.2 Odour**
mild
- 9.1.3 Odour threshold**
No information available.
- 9.1.4 pH**
No information available.
- 9.1.5 Melting point/freezing point**
No information available.
- 9.1.6 Initial boiling point and boiling range**
170 °C - 250 °C [ASTM D86]

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9.1.7	Flash point	> 61°C [ASTM D-93]
9.1.8	Evaporation rate	0.05 (butyl acetat = 1)
9.1.9	Flammability (solid, gas)	No information available.
9.1.10	Explosive properties	
9.1.10.1	Lower explosion limit	0,6 % (estimated)
9.1.10.2	Upper explosion limit	7,0 % (estimated)
9.1.11	Vapour pressure	0.04 kPa (0.3 mm Hg) @ 20°C < 0.1 kPa (0.75 mm Hg) @ 25°C (calculated))
9.1.12	Vapour density	No information available.
9.1.13	Relative density	0,731-0,851
9.1.14	Solubility(ies)	
9.1.14.1	Water solubility	practically insoluble
9.1.14.2	Fat solubility (solvent - oil to be specified)	No information available.
9.1.15	Partition coefficient: n-octanol/water	No information available.
9.1.16	Auto-ignition temperature	> 170 °C
9.1.17	Decomposition temperature	No information available.
9.1.18	Viscosity	1.3 cSt (1.3 mm ² /sec) @ 20 °C - 2.5 cSt (2.5 mm ² /sec) @ 20 °C [ASTM D7042]
9.1.19	Explosive properties	Not explosive
9.1.20	Oxidising properties	Not oxidising
9.2	Other information	

SECTION 10. STABILITY AND REACTIVITY

- 10.1 Reactivity**
No dangerous reaction known under conditions of normal use.
- 10.2 Chemical stability**
Stable under normal conditions.
- 10.3 Possibility of hazardous reactions**
No dangerous reaction known under conditions of normal use.
- 10.4 Conditions to avoid**
Extremes of temperature.
- 10.5 Incompatible materials**
Strong oxidizing agents
- 10.6 Hazardous decomposition products**
No information available.

SECTION 11. TOXICOLOGICAL INFORMATION

- 11.1 Information on toxicological effects**
- 11.1.1 Acute toxicity**
LC50/inhalation/ 8 h/rat = > 5000 mg/m³
LD50/oral/rat = > 5000 mg/kg
LD50/dermal/rabbit = > 5000 mg/kg
- 11.1.2 Irritation and corrosion**
Prolonged or repeated contact may dry skin. Chronic exposure may cause dermatitis.

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11.1.3 Sensitisation

Does not cause respiratory sensitization. Does not cause skin sensitization.

11.1.4 Subacute, subchronic and prolonged toxicity

The classification as a carcinogen, mutagen or toxic for reproduction need not apply.

11.1.5 STOT-single exposure

No information available.

11.1.6 STOT-repeated exposure

No information available.

11.1.7 Aspiration hazard

Aspiration hazard if swallowed - can enter lungs and cause damage.

11.1.8 Other information on acute toxicity

No information available.

SECTION 12. ECOLOGICAL INFORMATION**12.1 Toxicity****12.1.1 Aquatic toxicity**

Test	Duration	Organism	Results
Water - Chronic toxicity	21 days	Daphnia magna	NOELR 1 mg/l
Water - Acute toxicity	96 hours	Oncorhynchus mykiss	LL0 1000 mg/l
Water - Acute toxicity	48 hours	Daphnia magna	ELO 1000 mg/l
Water - Acute toxicity	72 hours	Pseudokirchneriella subcapitata	ELO 1000 mg/l
Water - Acute toxicity	72 hours	Pseudokirchneriella subcapitata	NOELR 1000 mg/l

12.1.2 Toxicity to other organisms

No information available.

12.2 Persistence and degradability**12.2.1 Biodegradation**

Inherently biodegradable.

12.2.2 Chemical degradation

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

Expected to degrade rapidly in air. Transformation due to hydrolysis not expected to be significant.

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects

Volatile Organic Compound (VOC)

SECTION 13. DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities.

SECTION 14. TRANSPORT INFORMATION

	Land transport ADR/RID	Sea transport IMDG/IMO	Air transport ICAO/IATA

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14.1 UN number	Not classified as dangerous goods.	Not classified as dangerous goods.	Not classified as dangerous goods.
14.2 UN proper shipping name			
14.3 Transport hazard class(es)			
14.4 Packing group			
14.5 Environmental hazards			
Other information			

14.6 Special precautions for users**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code****SECTION 15. REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****15.2 Chemical safety assessment**

No information available.

SECTION 16. OTHER INFORMATION**16.3 Key literature references and sources for data**

Material safety data sheet of manufacturer, 26.2.2014.

16.5 List of relevant R phrases, hazard statements, safety phrases and/or precautionary statements

R65 Harmful: may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

H304 May be fatal if swallowed and enters airways.

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