

Date of issue: 03.07.2008	Trade name:	Page: 1/5
Reviewed on: 15.10.2010	SHOE & GENERAL DISINFECTANT	Version:2

1. Identification of substance, company:

- 1.1. Identification of substance: **SHOE & GENERAL DISINFECTANT - R 30297**
 1.2. Application of the substance/the preparation: Deodorant
 1.3. Identification of manufacturer/Supplier:
 RETECH, s.r.o.
 Vackova 1541/4
 150 00 Praha-5 Stodůlky
 Telephone/Fax: +420 327 596 128, +420 596 428
 Information: info@retech.cz
 1.4. Telephone number for RETECH Suchdol 212, Suchdol u Kutné Hory
 extraordinary situations: Tel.+420 327 596 128 (7.30-16.00 hour)
 Toxicology information number, Na bojišti 1, 128 08 PRAHA 2
 Tel. +420 224 919 293, +420 224 915 402 (24 hours a day)

2. Hazard identification:

The product is labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

- 2.1. Hazard designation:

F+



Extremely flammable

- 2.2. Information pertaining to particular dangers for man and environment:
 Extremely flammable.

- 2.3. * Additional information:

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition.-
 No smoking.

Keep out of the reach of children.

Contains d-limonen.May produce an allergic reaction.

Buildup of explosive mixtures possible without sufficient ventilation.

The classification is in line with current EC lists, It is expanded, however, by information from technical literature and by information furnished by supplier companies.

3. Composition/Data on components:

- 3.1. Description:

Mixture of the substances listed below with harmless additions.

- 3.2. * Dangerous components:

Chemical name	Contents(%)	Number CAS	Number ES	Cautionary symbol	R sentences
Butane (containing < 0.1% butadiene (203-450-8))	50-100	106-97-8	203-448-7	F+	R 12
Ethanol	10-<25	64-17-5	200-578-6	F	R 11
(R)-p-mentha-1,8-diene (d-limonen)	0,1-<1,0%	5989-27-5	227-813-5	Xi; N	R 10-38-43-50/53

Additional information: For the wording of the listed risk phrases refer to section 16.

Ingredients according to detergents guideline 648/2004/EC:Aliphatic hydrocarbons ≥30%, perfumes <5%

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4. First aid measures:		
4.1.	After inhalation:	Supply fresh air; consult doctor in case of symptoms.
4.2. *	After skin contact:	Generally the product does not irritate the skin.
4.3.	After eye contact:	Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
4.4.	After swallowing:	Rinse mouth; Do not induce vomiting; Consult a physician.
4.5.	General information:	-
5. Fire fighting measures:		
5.1.	Suitable extinguishing agents:	CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol resistant foam.
5.2.	For safety reasons unsuitable extinguishing agents:	Water with a full water jet.
5.3.	Protective equipment:	Wear protective equipment/clothing when fighting fires.
5.4.	Special hazards caused by the material, its products of combustion or resulting gases:	Can form explosive gas mixtures.
5.5.	Additional information:	Aerosols may explode when overheated .Cool the container with water.
6. Accidental release measures:		
6.1.	Person-related safety precautions:	Wear protective equipment see item 8.2. Keep unprotected person away.
6.2.	Measures for environmental protection:	Do not allow to enter drainage system, surface or ground water. Inform respective authorities in case product reaches water or sewage system.
6.3.	Measures for cleaning/collecting:	Ensure adequate ventilation. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13.
6.4.	Additional information:	-
7. Handling and storage:		
7.1.	Handling:	
	Information for safe handling:	Ensure good ventilation/exhaustion at the workplace.
	Information about protection against explosions and fires:	Beware: Container is pressurized. Keep away from direct sun exposure and temperatures over 50°C. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects. Keep ignition sources away - Do not smoke. Protect against electrostatic charges.
7.2.	Storage:	
	Requirements to be met by storerooms and containers:	Store in a cool location. Observe official regulations on storing packaging with pressurized containers.
	Information about storage in one common storage facility:	Observe official regulations on storing packaging with pressurized containers.
	Further information about storage conditions:	Keep receptacle tightly sealed. Do not seal receptacle gas tight. Store in cool, dry conditions in well sealed receptacles. Protect from heat and direct sunlight.
8. * Exposure controls and personal protection:		
8.1.	Validate parameter:	
	Components with limit values that require monitoring at the workplace:	106-97-8 Butane

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	WEL	Short-term value: 1810 mg/m ³ , 750 ppm Long-term value: 1450 mg/m ³ , 600 ppm Carc (if more than 0.1% of buta-1.3-diene)
	64-17-5 Ethanol	
	WEL	Long-term value: 1920 mg/m ³ , 1000 ppm
	Additional information: The lists that were valid during the compilation were as basis.	
8.2.	Personal protective equipment:	
	Eye protection:	Tightly sealed safety glasses.
	Breathing equipment:	In case of brief exposure or low pollution use respiratory filter device-filter AX/P2. In case of intensive or longer exposure use self-contained respiratory protective device.
	Protection of hands:	Not required, when used as directed. In case of danger closed eye contact according (solvent resistant gloves). Selection of glove material on consideration of the penetration times, rates of diffusion and the degradation Material of gloves: Nitrile rubber, NBR The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
	Protection of skin:	Protective working clothing.
8.3.	General protective and hygienic measures:	Wash hands during breaks ant at the end of the work. Do not inhale gases/fumes/aerosols.
9. *	Physical and chemical properties:	
	Form:	Aerosol
	Colour:	Colourless
	Odour:	Characteristic
9.1.	pH value:	-
	Melting point/Melting range:	Not determined
	Boiling point/Boiling range:	0°C
	Flash point:	-60°C
	Inflammability (strength, gas form)	365°C
	Self-inflammability:	Product is not self igniting.
	Danger of explosion:	Product is not explosive. However, formation of explosive air/steam mixtures is possible.
	Explosion limits: lower (% Vol):	1.5%
	upper (% Vol):	15%
	Vapour pressure (at 20°C):	4 Bar
	Density at 20 °C	0.606 g/cm ³
	Solubility in/Miscibility with - water	Not miscible or difficult to mix
9.2.	Other information:	
	VOC at 20°C:	596.5 g/l
10. *	Stability and reactivity:	
10.1.	Thermal decomposition / conditions to be avoided:	No decomposition if used according to specification.
10.3.	Dangerous reactions:	No materials to be avoided.
10.4.	Dangerous products of decomposition:	No dangerous reactions known.
10.5.	Additional information:	No dangerous decomposition products known.
11.	Toxicological information:	
11.1.	Acute toxicity:	Not.
11.2. *	Primary irritant effect:	
	on the skin:	No irritant effect.
	on the eye:	No irritant effect.
	Sensitization:	No sensitizing effects known.
	Additional toxicological information:	-

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12. Ecological information:
Water hazard class 1 (Self-assessment): slightly hazardous for water.
Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

13. Disposal considerations:
13.1. Product: Must not be disposed together with household garbage. Do not allow product to reach sewage system.
13.2. Uncleaned packagings: Disposal must be made according to official regulations.

14. Transport information:
14.1. Land transport:
ADR/RID-GGVS/E class: 2
Number/Letter: 5F
Kemler number: -
Number UN: 1950
Label: 2.1
Description of goods: 1950 AEROSOLS
Remarks: Limited quantities LQ2
Transport category: 2
Tunnel restriction code: D
14.2. Maritime transport:
IMDG-class: 2.1
Page: -
Number UN: 1950
Label: 2.1
Packaging group: -
EMS-group: F-D,S-U
Marine pollutant: No
Proper shipping name: AEROSOLS
Remarks: "Limited quantity"
14.3. Air transport:
ICAO / IATA -class: 2.1
UN/ID number: 1950
Label: 2.1
Packaging group: -
Proper shipping name: AEROSOLS, flammable
Remarks: "Limited quantity"

15. * Regulatory information:
15.1. Labelling according to law line:
The product has been labeled in accordance with EC Directives / relevant national laws.
Danger of determining components and mark to labelling:
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material.
Discard empty packaging in separated waste.

Labelling hazardousness:



F+ - Extremely flammable

Numbers and word reading associated hazard R-sentences :
R 12 Extremely flammable.

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Numbers and word reading associated security S-sentences:

S 2 Keep out of reach of children.

S 16 Keep away from sources of ignition – No smoking.

S 23 Do not breathe gas.

S 46 If swallowed, seek medical advice immediately and show this container or label.

S 51 Use only in well-ventilated areas.

Regulation (EC) No 648/2004 Contains: Aliphatic hydrocarbons $\geq 30\%$, perfume $< 5\%$

Contains d-limonen. May produce an allergic reaction.

15.2. Used legislation:

European Regulation (EC) No 1907/2006 – REACH

European Regulation No 67/548EEC and 1999/45/EC

Regulation (EC) No 648/2004 (detergents)

16. * Other information:

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relative R-phrases:

R10 Flammable.

R11 Highly flammable.

R12 Extremely flammable.

R38 Irritating to skin.

R43 May cause sensitisation by skin contact.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

***Compared to the last version the data has been changed.**