## Material Safety Data sheet according to 91/155/EG

1. Product and Name of Manuf	acturer	
Trade Name of Product: STICHFREI Insect Repellent, liquid and aerosol		
Informations: Telefon / Teleph In case of emergency: <b>2. Informations about the comp</b> Chemische Charakterisierung: Ins	0049- (0)8744 - 96 99 0	
	ent in aerosol propane-butane (CAS-No. 74-98-6 and 106-97-8) 15%	
Additional informations: -		
3. Potential Hazards		
Descriptions of the Risks:	R12 extremely inflammable in contact with open fire.	
Security Risks: Environmental Risks:	Bursting of the can when heated above 50°C.	
4. First Aid	none	
General Informations:		
After Inhalation:	Expose to fresh air	
After Eye Contact:	rinse with water	
After Skin Contact:	-	
Informations for the Physician:	none	
5. Actions for Fire Fighting		
Suitable Fire Distinguishers:	Powder, foam, carbondioxide.	
Unsuited Equipment:	water	
Extraordinary Danger by Comb		
Particular Protection Equipment for Fire Fighting: not necessary 6. Precautions when released involuntarily:		
Personel Precautions:	Do not inhale vapours.	
Environmental Actions:	none	
Instructions for Cleaning / Abso		
Additional Hints:	none	
7. Handling and Storage:		
Handling:		
Instructions for secure Working:Do not eat, drink or smoke during application. Apply only in well ventilated aereas. Instructions against Fire and explosion:Keep out of range of open fire and hot places. Store in well ventilated rooms. <b>Storage:</b>		
Specifications for stockholding		
	Do not store together with highly inflammable liquids.	
Further informations about Con Classification of Storage:		
Materials suited for Storage:	Only original containers.	
8. Limitation of Exposition and Additional hints for technical en		
Maximum concentration per wo		
Additional Informations:	none	
Personel Equipment:		
Gas mask:	not necessary	
Gloves:	not necessary	
Eye Protection:		
	es: not necessary	
	c Instructions: Change contaminated clothes.	
9. Physical and Chemical Prope Phenotype	Aerosole	
Status: Aerosol packing		
Security relevant datas:		
pH-Value	not applicable	
Change of State:	••	
Pourpoint DIN ISO 3016		
Flashpoint DIN ISO 2592	2 /: not applicable	

Vapour pressure 20°C /:	3,5 bar inner pressure
Density 20°C /:	not applicable
Solubility in Water 20°C /:	not applicable
Distribution coefficient n-Octa	nole/Water: not applicable
Kinematic viscosity 20°C /:	not applicable
10. Stability and reactivity	
Avoidable Conditions:	none when used as directed
Avoid Contact with:	none
Dangerous decomposition products:	none under normal conditions
Additional Informations:	none
11. Toxicological Information	
2-Propanole oral, rat: 5045 mg/kg	No cancerogenic, mutagenic nor No skin-sensitizing effect (gui-
inhalation: 46,5 mg/l	teratogenic effect in animal experi- nea pig).
dermal, rabbit: 12.800 m	• • • • •
	Ames-Test: negativ
	Salmonella typhimurium: negativ
	Micronucleus test: negativ
	ineronacious test. negativ
12. Angaben zur Ökologie / Ecologica	l Datas
Elimination and degradability:	
	ments: biodegradation of active ingredients, complete photoxidation of solvent
Ecotoxic Action:	none when used as directed and propellent.
Additional ecological datas:	none
13. Treatment of waste:	none
Product:	
Waste classification No. (EU)	20 01 22
Uncleaned containers:	20 01 22
Recomendations:	ampty completely
Recommended cleaning material:	empty completely not applicable
	not applicable
<b>14. Instructions for transportation</b> Road: Aerosol: Transportatio	n according to Rn. 2201a Classification: Aerosols
1	•
(maximum 30 Deilemen Assessi	
	e
(maximum 45	
	oods Classification UN-Nr. 1950 / Class 2 / Packing Group EmS-No. 2-13
Air: Aerosol: Dangerous G	oods Classification UN-Nr. 1950 / Class 2.1 / Packing Group 203
15. General Instructions	
Typification according to EU-Rules:	R 12: extremly inflammable; S 16: Keep away from open fire, do not smoke.
National Instructions	Symbol F+; Do not expose to bright sun and tempreratures above
	50°C. Do not puncture or expose to fire. Do not spray against flames or
	glowing objects. Keep away from igniting objects, do not smoke. Must not
	be kept in reach of children.
Restrictions of employment:	none
Failure regulation act:	none
Classification combustible liquids reg	ulation: not applicable
Technical instruction air:	none

Other instructions, restrictions and prohibitions: none

Waterhazardous Classification:

16. Other informations

## Issued by: Department laboratory / documentation

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user/Allgemeines/Sicherheitsdatenblätter/Stichfrei-englisch

not applicable