

SAFETY DATA SHEET

1. Identification of substance/preparation and company

Product name: Material 17188 DWI
Company name: Ungerer & Company
Company address: 4 Bridgewater Lane
Lincoln Park, NJ 07035

Emergency Phone: USA: 1-800-424-9300 Int: 703-527-3887

Fax: 973-628-0251

2. Hazards identification

Physical Hazards: This preparation is classified as **R10** according to the criteria of Directive

1999/45/EC.

Health Hazards: This preparation is classified as Xi; R38-43 according to the criteria of

Directive 1999/45/EC.

When undiluted and not properly handled, liquid may irritate eyes and skin

or cause dermatitis.

Environment: This preparation is classified as N; R50/53 according to the criteria of

Directive 1999/45/EC.

When spilled, can contaminate soil, ground and surface water.

3. Composition/information on ingredients

Chemical: Flavor composition, multicomponent mixture of natural and/or synthetic aroma

chemicals and essential oils.

CAS#	INGREDIENT NAME	EINECS#	HA	ZARD	SAFETY	CONC. (%)
5989-27-5	<i>d</i> -Limonene (<i>R</i>)- <i>p</i> -Mentha-1,8-	227-813-5	Xi,N	R10-38-43-	S(2)-24-37-	≥ 25%
	diene			50/53	60-61	
99-85-4	gamma-Terpinene	202-794-6	Xn	R(10)-65	S62	10 - < 25%
586-62-9	Terpinolene	209-578-0	Xn,N	R(10)-51/53-	S62	5 - < 10%
				65		
8000-41-7	Terpineol	232-268-1	Xi	R38	-	5 - < 10%
Various	Pinenes – Isomer Unspecified	Various	Xn, N	R(10)-43-	S(2)-24-37-	1 - < 5%
				50/53-65	60-61	
495-62-5	Bisabolene	207-805-8	Xn	R38-43-65	S24-27-62	1 - < 5%
99-87-6	p-Cymene	202-796-7	N	R51/53	S61-62	1 - < 5%

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4. First-aid measures

Inhalation: Remove from exposure site to fresh air, keep at rest, and obtain medical

attention.

Eye exposure: Flush immediately with water for at least 15 minutes.

Contact physician if symptoms persist.

Skin exposure: Remove contaminated clothes. Wash thoroughly with soap and water.

Contact physician if symptoms persist.

Ingestion: Rinse mouth with water and obtain medical advice.

Others: Take Risk and Safety phrases (section 15) into consideration

5. Fire-fighting measures

Extinguishing media: Carbon dioxide, dry chemical, foam.

Do not use a direct water-jet on burning material.

6. Accidental release measures

Personal precautions: Avoid inhalation and contact with skin and eyes. A self-contained

breathing apparatus is recommended in case of a major spill.

Spillage: Remove ignition sources. Provide adequate ventilation. Avoid excessive

inhalation of vapors. Gross spillage should be contained immediately by use of sand or inert powder and disposed of according to local regulations.

Environmental precautions: Keep away from drains, surface and ground water, and soil.

7. Handling and storage

Handling: Apply according to good manufacturing and industrial hygiene practices

with proper ventilation. Do not drink, eat or smoke while handling.

Respect good personal hygiene.

Storage: Store in a cool, dry and ventilated area away from heat sources and

protected from light in tightly closed original containers. Avoid plastic

and uncoated metal containers. Keep air contact to a minimum.

Shelf life: 1 year min.

Fire protection: Keep away from ignition sources and naked flame.

8. Exposure controls/personal protection

Respiratory protection: Avoid excessive inhalation of concentrated vapors.

Apply local ventilation where appropriate.

Eye protection: Wear safety glasses.

Skin protection: Avoid skin contact. Use chemically resistant gloves as needed.

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9. Physical and chemical properties

Appearance: Clear yellow amber to brown green liquid

Odor: Characteristic PH-Value: Not determined

Viscosity: Mobile

Freezing point: Not determined Boiling point: Not determined Melting point: Not determined Flash point, cc: 46.1°C (115°F) Autoflammability: Not determined Explosive property: None expected Oxidizing property: None expected Vapor pressure: Not determined

Relative density @ 25°C: 0.8760 Solubility water: Insoluble

Solubility ethanol: Not determined Partition coeff: Not determined Refractive index @ 20°C: Not determined

10. Stability and reactivity

Reactivity: Presents no significant reactivity hazard, by itself or in contact with water.

Avoid contact with strong acids, alkali or oxidizing agents.

Decomposition: Carbon monoxide and unidentified organic compounds may be formed

during combustion.

11. Toxicological information

This preparation has not been subjected to toxicological testing as an entity. The toxicological information available related to its components

enable the evaluation of the safety of the mixture.

12. Ecological information

This preparation has not been subjected to ecological testing as an entity.

The ecological information available related to its components enable the

evaluation of the safety of the mixture.

13. <u>Disposal considerations</u>

Dispose of according to local regulations. Avoid disposing into drainage

systems and into the environment.

14. Transport Information

Class Pack Group Sub risk UN# IMDG page

DOT: Combustible liquid

Road (CDGRR):

3 III UN1197 Extracts, flavoring, liquid
3 III UN1197 Extracts, flavoring, liquid
Sea (IMDG):

3 III UN1197 Extracts, flavoring, liquid

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15. Regulatory information

Classification Packaging/Labeling according to Directives 67/548/EEC and 1999/45/EC and their modifications Directive 2001/58/EC





Symbol: N; Xi

Risk phrases: R10-38-43-50/53 Safety phrases: S(2)-24-37-60-61

16. Other information

Hazard Symbols: F: Flammable T: Toxic C: Corrosive

Xn: Harmful Xi: Irritant N: Dangerous for the environment

R2 Flack of explosion by shock, firction, fire or other sources of lightion ginition ginition sources of lightion by shock, firction, fire or other sources of lightion sources of lighting sources of lightin	R1	Explosive when dry	R24	Toxi	in contact with skin	R46	May cause heritable genetic damage					
R3 Extreme risk of explosion by shock, friction, fire or other sources of jointion R4 Forms very sensitive explosive metallic compounds R5 Heating may cause an explosion R6 Explosive with or without contact with air R6 Explosive with or without contact with air R7 May cause serving R7 May cause serving R8 Contact with combustible material may cause fire R8 Contact with combustible material may cause fire R9 Explosive when mixed with combustible material R9 Explosive when mixed with confidence of the mixed with combustible material R9 Explosive when mixed with confidence of the mixed with c	R2	Risk of explosion by shock, friction, fire or other sources of				R49						
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Figure Region R	R4	-		Very toxic in contact with skin		R51	Toxic to aquatic organisms					
R3 Contact with acids liberates toxic gas	R5					R52						
Page Supplies when mixed with combustible material may cause fire R32 Contact with acids liberates very toxic gas R54 Toxic to fora Toxic to bear Toxic to bea	R6	Explosive with or without contact with air	R30	Can	become highly flammable in use							
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R14 Reacts violently with water in berafes extremely flammable gases R15 Contact with water inberafes extremely flammable gases R16 Explosive when mixed with oxidising substances R17 Spontaneously flammable in air R18 In use, may form flammable/explosive vapour-air mixture R19 In use, may form flammable/explosive vapour-air mixture R19 In use, may form flammable/explosive vapour-air mixture R19 Harmful by inhalation R10 May cause sensitisation by sincentact R11 Harmful in contact with skin R21 Harmful in contact with skin R22 Harmful if swallowed R23 Toxic by inhalation R24 Harmful if swallowed R25 May cause sensitisation by skin contact R26 May cause sensitisation by skin contact R27 Harmful in contact with skin R28 Harmful in contact with skin R29 Harmful if swallowed R29 Harmful if swallowed R29 Harmful if swallowed R20 Toxic by inhalation R21 Harmful in contact with skin R22 Harmful in contact with skin R23 May cause sensitisation by skin contact R24 Harmful in contact with skin R25 May cause sensitisation by skin contact R26 May cause sensitisation by skin contact R27 May cause sensitisation by skin contact R28 May cause sensitisation by skin contact R28 May cause sensitisation by skin contact R29 Harmful if swallowed R29 Harmful if swallowed R29 May cause sensitisation by skin contact R29 May cause sensitisation by		3 ,										
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R40 Limited evidence of a carcinogenic effect R62 Possible risk of impaired fertility		,		•			* * *					
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Seep out of the reach of children	R22	Harmful if swallowed	R45	May	cause cancer		Vapours may cause drowsiness & dizziness					
State Stat	R23	Toxic by inhalation	R48	Dang	ger of serious damage to health by	R68	Possible risk of irreversible effects					
Keep out of the reach of children Keep in a cool place Keep in a cool place Keep away from living quarters Keep contents under appropriate specified liquid. Keep under specified inert gas Keep container tightly closed Keep container in a well-ventilated place Keep container in a well-ventilated place Keep away from flood, drink & animal feeding stuffs Keep away from food, drink & animal feeding stuffs Keep away from specified incropatible materials Keep away from beat Keep away from sources of ignition - No smoking Keep away from combustible material Handle & Open container with care Do not breathe dust Sey When using do not smoke Do not breathe dust Do not breathe dust Do not breathe gas/fumes/vapour/spray Sey Do not breathe dust D				prol	onged exposure							
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