



UNGERER & COMPANY

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

Dispose of according to local regulations. Avoid disposing into drainage systems and into the environment.

14. Transport Information

	<u>Class</u>	<u>Pack</u>	<u>Group</u>	<u>Sub risk</u>	<u>UN#</u>	<u>IMDG page</u>
DOT:						
Road (CDGRR):	3	III			UN1197 Extracts, flavoring, liquid	
Air (IATA):	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

R1 Explosive when dry	R24 Toxic in contact with skin	R46 May cause heritable genetic damage
R2 Risk of explosion by shock, friction, fire or other sources of ignition	R25 Toxic if swallowed	R49 May cause cancer by inhalation
R3 Extreme risk of explosion by shock, friction, fire or other sources of ignition	R26 Very toxic by inhalation	R50 Very toxic to aquatic organisms
R4 Forms very sensitive explosive metallic compounds	R27 Very toxic in contact with skin	R51 Toxic to aquatic organisms
R5 Heating may cause an explosion	R28 Very toxic if swallowed	R52 Harmful to aquatic organisms
R6 Explosive with or without contact with air	R30 Can become highly flammable in use	R53 May cause long-term adverse effects in aquatic environment
R7 May cause fire	R31 Contact with acids liberates toxic gas	R54 Toxic to flora
R8 Contact with combustible material may cause fire	R32 Contact with acids liberates very toxic gas	R55 Toxic to fauna
R9 Explosive when mixed with combustible material	R33 Danger of cumulative effects	R56 Toxic to soil organisms
R10 Flammable	R34 Causes burns	R57 Toxic to bees
R11 Highly flammable	R35 Causes severe burns	R58 May cause long-term adverse effects in environment
R12 Extremely flammable	R36 Irritating to eyes	R59 Dangerous for the ozone layer
R14 Reacts violently with water	R37 Irritating to respiratory system	R60 May impair fertility
R15 Contact with water liberates extremely flammable gases	R38 Irritating to skin	R61 May cause harm to the unborn child
R16 Explosive when mixed with oxidising substances	R39 Danger of very serious irreversible effects	R62 Possible risk of impaired fertility
R17 Spontaneously flammable in air	R40 Limited evidence of a carcinogenic effect	R63 Possible risk of harm to the unborn child
R18 In use, may form flammable/explosive vapour-air mixture	R41 Risk of serious damage to eyes	R64 May cause harm to breast-fed babies
R19 May form explosive peroxides	R42 May cause sensitisation by inhalation	R65 Harmful: may cause lung damage if swallowed
R20 Harmful by inhalation	R43 May cause sensitisation by skin contact	R66 Repeated exposure may cause skin dryness/cracking
R21 Harmful in contact with skin	R44 Risk of explosion if heated under confinement	R67 Vapours may cause drowsiness & dizziness
R22 Harmful if swallowed	R45 May cause cancer	R68 Possible risk of irreversible effects
R23 Toxic by inhalation	R48 Danger of serious damage to health by prolonged exposure	
S1 Keep locked up	S33 Take precautionary measures against static discharges	
S2 Keep out of the reach of children	S35 This material & its container must be disposed of in a safe way	
S3 Keep in a cool place	S36 Wear suitable protective clothing	
S4 Keep away from living quarters	S37 Wear suitable gloves	
S5 Keep contents under appropriate specified liquid.	S38 In case of insufficient ventilation wear suitable respiratory equipment	
S6 Keep under specified inert gas	S39 Wear eye/face protection	
S7 Keep container tightly closed	S40 To clean floor & all objects contaminated by this material use soap & water	
S8 Keep container dry	S41 In case of fire &/or explosion do not breathe fumes	
S9 Keep container in a well-ventilated place	S42 During fumigation/spraying wear suitable respiratory equipment	
S12 Do not keep the container sealed	S43 In case of fire use specified fire-fighting equipment (if water increases risk-Never use water)	
S13 Keep away from food, drink & animal feeding stuffs	S45 In case of accident or feel unwell seek medical advice immediately (show label where possible)	
S14 Keep away from specified incompatible materials	S46 If swallowed, seek medical advice immediately & show this container or label	
S15 Keep away from heat	S47 Keep at temperature not exceeding ... Deg C	
S16 Keep away from sources of ignition - No smoking	S48 Keep wet with material specified.	
S17 Keep away from combustible material	S49 Keep only in the original container	
S18 Handle & open container with care	S50 Do not mix with specified materials	
S20 When using do not eat or drink	S51 Use only in well-ventilated areas	
S21 When using do not smoke	S52 Not recommended for interior use on large surface areas	
S22 Do not breathe dust	S53 Avoid exposure - obtain special instructions before use	
S23 Do not breathe gas/fumes/vapour/spray	S56 Dispose of this material & its container at hazardous or special waste collection point	
S24 Avoid contact with skin	S57 Use appropriate containment to avoid environmental contamination	
S25 Avoid contact with eyes	S59 Refer to manufacturer/supplier for information on recovery/recycling	
S26 In case of contact with eyes, rinse immediately with plenty of water & seek medical advice.	S60 This material & its container must be disposed of as hazardous waste	
S27 Take off immediately all contaminated clothing	S61 Avoid release to environment. Refer to special instructions/safety data sheet	
S28 After skin contact, wash immediately w/plenty of soap & water	S62 If swallowed, do not induce vomiting: seek medical advice immediately & show container or label	
S29 Do not empty into drains	S63 In case of accident by inhalation: remove casualty to fresh air & keep at rest	
S30 Never add water to this product	S64 If swallowed, rinse mouth with water (only if the person is conscious)	

The information in this leaflet is to the best of our knowledge true and accurate but all data, instructions, recommendations and/or suggestions are made without guarantee.