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## MATERIAL SAFETY DATA SHEET

### 01. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY/UNDERTAKING

1.1 Product Identifier					
Product Name	Cypress Essential Oil				WHC201
Biological Definition	Cupressus Sempervirens Leaf Oil is the volatile oil obtained from the leaves of the Cypress, <i>Cupressus sempervirens L.</i> , <i>Pinaceae</i> .				
INCI Name	Cupressus Sempervirens Leaf Oil				
Synonyms & Trade Names	-				
CAS-No	84696-07-1	EC No.	283-626-9	EINECS No.	283-626-9
1.2 Relative identified uses of the substance or mixture and uses advised against					
Fragrance composition. Flavour or aromatic ingredient					
1.3 Details of the supplier of the safety data sheet					
1.4 Emergency Tel. No.					

### 02. HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture
The Full Text for all Hazard Statements displayed in Section 16.
Classification (EC 1272/2008)
Physical and Chemical Hazards: <ul style="list-style-type: none"><li>- Flammable liquid, Category 3 (Flam. Liq. 3, H226).</li></ul> Human health: <ul style="list-style-type: none"><li>- Aspiration hazard, Category 1 (Asp. Tox. 1, H304),</li><li>- Skin irritation, Category 2 (Skin Irrit. 2, H315),</li><li>- Skin sensitisation, Category 1B (Skin Sens. 1B, H317).</li></ul> Environment: <ul style="list-style-type: none"><li>- Acute hazard, Category 1 (Aquatic Acute 1, H400),</li><li>- Chronic hazard, Category 1 (Aquatic Chronic 1, H410).</li></ul>
2.2 Label Elements
Label in accordance with (EC) No 1272/2008

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Signal Word	Danger.
Contains	<ul style="list-style-type: none"> <li>- Alpha Pinene</li> <li>- Beta Pinene</li> <li>- Delta-3-Carene</li> <li>- d-Limonene</li> <li>- Myrcene</li> <li>- Terpinolene</li> </ul>
Hazard Statements	
H226 - Flammable liquid and vapour. H304 - May be fatal if swallowed and enters airways. H315 - Causes skin irritation. H317 - May cause an allergic skin reaction. H410 - Very toxic to aquatic life with long lasting effects.	
Precautionary Statements	
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P301/P310 - IF SWALLOWED - Immediately call a POISON CENTER/doctor. P302/P352 - IF ON SKIN - Wash with plenty of water. P333/P313 - If skin irritation or rash occurs: Get medical advice/attention. P391 - Collect spillage. P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.	
Supplementary Precautionary Statements	
P264 - Wash hands and exposed skin thoroughly after handling	
<b>2.3 Other Hazards</b>	
PBT or vPvB according to Annex XIII	The substance does not satisfy the PBT or vPvP criteria in accordance with annexe XIII of the REACH regulations EC 1907/2006.
Adverse physio-chemical properties	No additional data available.
Adverse effects on human health	No additional data available.

## 03. COMPOSITION/INFORMATION ON INGREDIENTS

<b>3.1 Substances</b>
<b>50.0 – 60.0% alpha-Pinene</b> CAS: 80-56-8 Classification (EC 1272/2008) <ul style="list-style-type: none"> <li>- Flam. Liq. 3 – H226</li> <li>- Asp. Tox. 1 – H304</li> <li>- Skin Irrit. 2 – H315</li> <li>- Skin Sens. 1A – H317</li> </ul>

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<ul style="list-style-type: none"> <li>- Aquatic Acute 1 – H400</li> <li>- Aquatic Chronic – H410</li> </ul>
<p><b>10.0 - 25.0 % Delta-3-Carene</b>  CAS: 13466-78-9  Classification (EC 1272/2008)</p> <ul style="list-style-type: none"> <li>- Flam. Liq. 3 – H226</li> <li>- Asp. Tox. 1 – H304</li> <li>- Skin Irrit. 2 – H315</li> <li>- Skin Sens. 1A – H317</li> </ul>
<p><b>10.0 – 20.0% beta-Pinene</b>  CAS: 127-91-3  Classification (EC 1272/2008)</p> <ul style="list-style-type: none"> <li>- Flam. Liq. 3 – H226</li> <li>- Asp. Tox. 1 – H304</li> <li>- Skin Irrit. 2 – H315</li> <li>- Skin Sens. 1A – H317</li> <li>- Aquatic Acute 1 – H400</li> <li>- Aquatic Chronic – H410</li> </ul>
<p><b>&lt;2.7% d-Limonene</b>  CAS: 5989-27-5  Classification (EC 1272/2008)</p> <ul style="list-style-type: none"> <li>- Flam. Liq. 3 – H226</li> <li>- Asp. Tox. 1 – H304</li> <li>- Skin Irrit. 2 – H315</li> <li>- Skin Sens. 1A – H317</li> <li>- Aquatic Acute 1 – H400</li> <li>- Aquatic Chronic – H410</li> </ul>
<p><b>1.0 – 5.0% Terpinolene</b>  CAS: 586-62-9  Classification (EC 1272/2008)</p> <ul style="list-style-type: none"> <li>- Asp. Tox. 1 – H304</li> <li>- Skin Sens. 1A – H317</li> <li>- Aquatic Chronic – H410</li> </ul>
<p><b>1.0 – 5.0% Myrcene</b>  CAS: 123-35-3  Classification (EC 1272/2008)</p> <ul style="list-style-type: none"> <li>- Flam. Liq. 3 – H226</li> <li>- Asp. Tox. 1 – H304</li> <li>- Skin Irrit. 2 – H315</li> <li>- Skin Sens. 1A – H317</li> <li>- Eye Irrit. 2 – H319</li> </ul>

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## 1.0 - 5.0% Terpinyl Acetate

CAS: 8007-35-0

Classification (EC 1272/2008)

- Aquatic Chronic 2 – H411

## 04. FIRST AID MEASURES

### 4.1 Description of first aid measures

Inhalation	Remove from exposure area to fresh air. Obtain medical advice if discomfort continues.
Ingestion	Do not give the patient anything orally. In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor. Seek medical attention immediately, showing the label. If swallowed accidentally, do not allow to drink, do not induce vomiting and transfer to hospital immediately by ambulance. Show the label to the doctor.
Skin Contact	Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner. Watch out for any remaining product between skin and clothing, watches, shoes, etc. In the event of an allergic reaction, seek medical attention. If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.
Eye Contact	Flush with plenty of water and seek medical advice.

### 4.2 Most important symptoms and effects, both acute and delayed

No additional data available.

### 4.3 Indication of any immediate medical attention and special treatment needed

No additional data available.

## 05. FIRE-FIGHTING MEASURES

### 5.1 Extinguishing Media

Suitable extinguishing media:

- CO<sub>2</sub>,
- Dry powder,
- Foam.

Keep packages near the fire cool, to prevent pressurised containers from bursting. Prevent the effluent of fire-fighting measures from entering drains or waterways.

### 5.2 Special hazards arising from the product

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health. Do not breathe in smoke. In the event of a fire, the following may be formed: carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>)

### 5.3 Advice for firefighters

Fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

## 06. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

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For non-first aid worker:

- Avoid any contact with the skin and eyes.

For first aid worker:

- First aid workers will be equipped with suitable personal protective equipment (See section 8).

## 6.2 Environmental Precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal. Prevent any material from entering drains or waterways. If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures. Use drums to dispose of collected waste in compliance with current regulations (see section 13).

## 6.3 Methods and material for containment and cleaning up.

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal. Clean preferably with a detergent, do not use solvents.

## 6.4 Reference to other sections

See sections 8 and 13.

## 07. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Requirements relating to storage premises apply to all facilities where the substance is handled. Individuals with a history of skin sensitisation should not, under any circumstance, handle this substance. Always wash hands after handling. Remove and wash contaminated clothing before re-using. Remove contaminated clothing and protective equipment before entering eating areas.

Fire prevention:

- Handle in well-ventilated areas. Prevent the formation of flammable or explosive concentrations in air and avoid vapour concentrations higher than the occupational exposure limits. Never inhale this substance. Prevent the accumulation of electrostatic charges with connections to earth. Use the mixture in premises free of naked flames or other sources of ignition and ensure that electrical equipment is suitably protected. Keep packages tightly closed and away from sources of heat, sparks and naked flames. Do not use tools which may produce sparks. Do not smoke. Prevent access by unauthorised personnel.

Recommended equipment and procedures:

- For personal protection, see section 8. Observe precautions stated on label and also industrial safety regulations.

Prohibited equipment and procedures:

- No smoking, eating or drinking in areas where the substance is used. Never open the packages under pressure.

### 7.2 Conditions for safe storage, including any incompatibilities

Keep the container tightly closed in a dry, well-ventilated place. Keep away from food and drink, including those for animals. Keep away from all sources of ignition - do not smoke. Keep well away from all sources of ignition, heat and direct sunlight. Avoid accumulation of electrostatic charges. Always keep in packaging made of an identical material to the original.

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## 7.3 Specific end use(s)

No additional data available.

## 08. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

No additional data available.

### 8.2 Exposure controls

#### Protective Equipment



Process Conditions	Provide eyewash station.
Engineering Measures	Provide adequate ventilation.
Respiratory Equipment	Provide adequate ventilation.
Hand Protection	Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374. Gloves must be selected according to the application and duration of use at the workstation. Protective gloves need to be selected according to their suitability for the workstation in question: other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required. Recommended properties: - Impervious gloves in accordance with standard EN374
Eye Protection	Avoid contact with eyes. Use eye protectors designed to protect against liquid splashes. Before handling, wear safety goggles in accordance with standard EN166.
Other Protection	No additional data available.
Hygiene Measures	Good personal hygiene practices are always advisable, especially when working with chemicals / oils. Keep away from foodstuffs, beverages and feed.
Personal Protection	Use personal protective equipment that is clean and has been properly maintained. Store personal protective equipment in a clean place, away from the work area. Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.
Skin Protection	Avoid skin contact. Wear suitable protective clothing. Suitable type of protective clothing: In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact. In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact. Work clothing worn by personnel shall be laundered regularly. After contact with the product, all parts of the body that have been soiled must be washed.
Environmental Exposure Controls	Avoid discharging into drainage water. Only eliminate by authorised companies.

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## 09. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties	
Appearance	Liquid, pale yellow to yellow.
Colour	Pale yellow to yellow.
Odour	Characteristic
Relative Density	~0.874 @ 20°C
Flash Point (°C)	35.0
Refractive Index	~1.472 @ 20°C
Melting Point (°C)	No additional data available.
Boiling Point (°C)	No additional data available.
Vapour Pressure	No additional data available.
Solubility in Water @20°C	Insoluble in water.
Auto-ignition temperature (°C)	No additional data available.
9.2 Other information	
No additional data available.	

## 10. STABILITY AND REACTIVITY

10.1 Reactivity	
No additional data available	
10.2 Chemical stability	
This substance is stable under the recommended handling and storage conditions in section 7.	
10.3 Possible hazardous reactions	
No additional data available.	
10.4 Conditions to Avoid	
<p>Any apparatus likely to produce a flame or to have a metallic surface at high temperature (burners, electric arcs, furnaces etc.) must not be allowed on the premises. Avoid:</p> <ul style="list-style-type: none"> <li>- accumulation of electrostatic charges.</li> <li>- heating</li> <li>- heat</li> <li>- flames and hot surfaces</li> </ul>	
10.5 Incompatible material	
No additional data available.	
10.6 Hazardous Decomposition Products	
<p>The thermal decomposition may release/form:</p> <ul style="list-style-type: none"> <li>- carbon monoxide</li> <li>- carbon dioxide</li> </ul>	

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## 11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Acute Toxicity	Not classified.
Skin corrosion / irritation	Causes skin irritation.
Serious eye damage / irritation	No additional data available.
Respiratory or skin sensitisation	Skin - May cause an allergic reaction by skin contact.
Germ Cell Mutagenicity	Not classified.
Carcinogenicity	Monograph(s) from the IARC (International Agency for Research on Cancer): CAS 5989-27-5: IARC Group 3: The agent is not classifiable as to its carcinogenicity to humans.
Reproductive toxicity	Not classified.
STOT-single exposure	Not classified.
STOT-repeated exposure	Not classified.
Aspiration hazard	Not classified.
Photo-toxicity	No additional data available.
Other Information	No additional data available.

## 12. ECOLOGICAL INFORMATION

12.1 Toxicity	
	Very toxic to aquatic life with long lasting effects. No aquatic toxicity data available for the substances. The product must not be allowed to run into drains or waterways.
12.2 Persistence & degradability	
	Biodegradability: no degradability data is available; the substance is considered as not readily degradable.
12.3 Bioaccumulation Potential	
	No additional data available.
12.4 Mobility in soil	
	No additional data available.
12.5 Results of PBT and vPvB Assessment	
	No additional data available.
12.6 Other adverse effects	
	Do not discharge into the environment especially not into waterways, sewers and the sea.

## 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	
	Proper waste management of the substance and/or its container must be determined in accordance with Directive 2008/98/EC. Do not pour into drains or waterways. Waste management is carried out without



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endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals. Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company. Do not contaminate the ground or water with waste. Do not dispose of waste into the environment. Empty container completely. Keep label(s) on container. Give to a certified disposal contractor.

## 14. TRANSPORT INFORMATION

### 14.1 UN number

UN No. Road	UN 1169
UN No. SEA	UN 1169
UN No. AIR	UN 1169

### 14.2 UN proper shipping name

Extracts, Aromatic, Liquid.

### 14.3 Transport hazard class(es)

ADR/RID/ADN Class: 3 Flammable Liquid.  
IMDG Class: 3 Flammable Liquid.  
ICAO Class/Division: 3 Flammable Liquid.

Transport Labels



### 14.4 Packing group

ADR/RID/ADN Packing group III  
IMDG Packing group III  
ICAO Packing group III

### 14.5 Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant.



### 14.6 Special precautions for user

ADR/RID

Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
3	F1	III	3	30	5 L	601 640E	E1	3	D/E

IMDG

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Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ			
3	-	III	5 L	F-E, S-D	223 955	E1			
IATA									
Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ	
3	-	III	355	60 L	366	220 L	A3	E1	
3	-	III	Y344	10 L	-	-	A3	E1	
For limited quantities, see part 2.7 of the OACI/IATA and chapter 3.4 of the ADR and IMDG.									
For excepted quantities, see part 2.6 of the OACI/IATA and chapter 3.5 of the ADR and IMDG.									
<b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code</b>									
No additional data available.									

## 15. REGULATORY INFORMATION

<b>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</b>
The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Workplace Exposure Limits EH40. CHIP for everyone HSG (108). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.
<b>15.2 Chemical safety assessment</b>
No additional information available.

## 16. OTHER INFORMATION

Hazard Statements in Full	H226 - Flammable liquid and vapour. H304 - May be fatal if swallowed and enters airways. H315 - Causes skin irritation. H317 - May cause an allergic skin reaction. H319 - Causes serious eye irritation. H400 - Very toxic to aquatic life. H410 - Very toxic to aquatic life with long lasting effects. H411 - Toxic to aquatic life with long lasting effects.
Revision Date	07/07/2020
Rev No	6

**DISCLAIMER:** This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.