



Version: 1 (04/04/2024)

## **SAFETY DATA SHEET**

In accordance with UN GHS latest edition

**Product:** Thyme Oil White 800575

Version: 1

### Section 1. Identification of the substance or the mixture and of the supplier

#### 1.1 Product Identifier

**Product identifier:** Thyme oil white; CAS: 8007-46-3

Other identifiers: None

# 1.2 Relevant identified uses of the substance of mixture and uses advised against

**Product uses:** Fragrance and flavours

Uses advised against: This material is not for use in tobacco/tobacco products, E-Cigarettes or similar devices.

See Section 16 Disclaimer

#### 1.3 Details of the supplier of the safety data sheet

Company name: Etja s.c.

Company address: Ul. Łęczycka 29

82-300 Elbląg

Polska

E-Mail address: etja@etja.pl

**Company phone:** +48 (55) 233 09 87

### 1.4 Emergency telephone number

Emergency phone: 112

#### Section 2. Hazards identification

### 2.1 Classification of the substance or mixture

Class and category of Flammable Liquid, Hazard Category 3

danger:

Acute Toxicity - Oral Category 4

Skin Corrosion / Irritation Category 1B
Eye Damage / Irritation Category 1
Sensitization - Skin Category 1
Toxic to Reproduction Category 2
Aspiration Hazard Category 1

Hazardous to the Aquatic Environment - Acute Hazard Category 2 Hazardous to the Aquatic Environment - Long-term Hazard Category 2

H226, Flammable liquid and vapour.

H302, Harmful if swallowed.

H304, May be fatal if swallowed and enters airways. H314, Causes severe skin burns and eye damage.

H317, May cause an allergic skin reaction.

H361, Suspected of damaging fertility or the unborn child (exposure route).

H411, Toxic to aquatic life with long lasting effects.



Version: 1 (04/04/2024)

### SAFETY DATA SHEET

In accordance with UN GHS latest edition

**Product:** Thyme Oil White 800575

Version: 1

#### 2.2 Label elements

Signal word: Danger

Hazard statements: H226, Flammable liquid and vapour.

H302, Harmful if swallowed.

H304, May be fatal if swallowed and enters airways. H314, Causes severe skin burns and eye damage.

H317, May cause an allergic skin reaction.

H361, Suspected of damaging fertility or the unborn child (exposure route).

H411, Toxic to aquatic life with long lasting effects.

M factor: None

Precautionary statements:

P202, Do not handle until all safety precautions have been read and understood.

P210, Keep away from heat, sparks, open flames and hot surfaces. - No smoking.

P233, Keep container tightly closed.

P240, Ground/bond container and receiving equipment.

P241, Use explosion-proof electrical, ventilating and lighting equipment.

P242, Use only non-sparking tools.

P243, Take precautionary measures against static discharge.

P260, Do not breathe vapour or dust.

P264, Wash hands and other contacted skin thoroughly after handling.

P270, Do not eat, drink or smoke when using this product.

P272, Contaminated work clothing should not be allowed out of the workplace.

P273, Avoid release to the environment.

P280, Wear protective gloves/eye protection/face protection.

P301/310, IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P301/330/331, If swallowed: Rinse mouth. Do not induce vomiting.

P303/361/353, IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

P304/340, IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305/351/338, IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308/313, IF exposed or concerned: Get medical advice/attention.

P310, Immediately call a POISON CENTER or doctor/physician.

P330. Rinse mouth.

P331, Do not induce vomiting.

P333/313, If skin irritation or rash occurs: Get medical advice/attention.

P363, Wash contaminated clothing before reuse.

P370/378, In case of fire: Use carbon dioxide, dry chemical, foam for extinction.

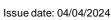
P391, Collect spillage.

P403/235, Store in a well-ventilated place. Keep cool.

P405, Store locked up.

P501, Dispose of contents/container to approved disposal site, in accordance with local





Version: 1 (04/04/2024)



# **SAFETY DATA SHEET**

In accordance with UN GHS latest edition

**Product:** Thyme Oil White 800575

Version: 1

regulations.

Pictograms:











2.3 Other hazards

Other hazards: Hydrocarbon Concentration %: 38.7000%

# Section 3. Composition / information on ingredients

3.1 Substances

**Product identifier:** Thyme oil white; CAS: 8007-46-3

**Contains:** 

Name	CAS	%	GHS Classification		
Thymol	89-83-8	20-<50%	Acute Tox. 4-Skin Corr. 1B-Eye Dam. 1-Aquatic Acute 2-Aquatic Chronic 2;H302-H314-H411		
p-Cymene	99-87-6	10-<20%	Flam. Liq. 3-Acute Tox. 5-Acute Tox. 3-Repr. 2-Asp. Tox 1-Aquatic Acute 2-Aquatic Chronic 2;H226-H303-H304-H331-H361-H411		
beta-Caryophyllene	87-44-5	5-<10%	Skin Sens. 1B-Asp. Tox 1;H304-H317		
p-Mentha-1,4-diene	99-85-4	5-<10%	Flam. Liq. 3-Acute Tox. 5-Repr. 2-Asp. Tox 1-Aquatic Acute 2-Aquatic Chronic 2;H226-H303-H304-H361-H411		
Linalool	78-70-6	1-<5%	Flam. Liq. 4-Acute Tox. 5-Skin Irrit. 2-Eye Irrit. 2A-Skin Sens. 1B-Aquatic Acute 3;H227-H303-H315-H317- H319-H402		
Carvacrol	499-75-2	1-<5%	Acute Tox. 4-Skin Irrit. 2-Eye Irrit. 2A-Skin Sens. 1B- Aquatic Acute 2;H302-H315-H317-H319-H401		
Camphene	79-92-5	1-<5%	Flam. Sol. 2-Eye Irrit. 2B-Aquatic Acute 1-Aquatic Chronic 1;H228-H320-H410		
Myrcene	123-35-3	1-<5%	Flam. Liq. 3-Skin Irrit. 2-Eye Irrit. 2A-Asp. Tox 1-Aquati Acute 1-Aquatic Chronic 2;H226-H304-H315-H319- H400-H411		
p-Mentha-1,3-diene	99-86-5	1-<5%	Flam. Liq. 3-Acute Tox. 4-Skin Irrit. 3-Eye Irrit. 2B-Skir Sens. 1-Asp. Tox 1-Aquatic Acute 2-Aquatic Chronic 2 H226-H302-H304-H316-H317-H320-H411		
Terpinen-4-ol	562-74-3	1-<5%	Flam. Liq. 4-Acute Tox. 4-Acute Tox. 5-Acute Tox. 3- Skin Irrit. 2-Eye Irrit. 2B-STOT SE 3-Aquatic Acute 2; H227-H302-H313-H315-H320-H331-H336-H401		
beta-Pinene	127-91-3	1-<5%	Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1- Aquatic Acute 1-Aquatic Chronic 1;H226-H304-H315- H317-H410		
Eucalyptol	470-82-6	1-<5%	Flam. Liq. 3-Acute Tox. 5-Eye Irrit. 2B-Skin Sens. 1B- Aquatic Acute 3;H226-H303-H317-H320-H402		
Camphor	76-22-2	1-<5%	Flam. Sol. 2-Acute Tox. 4-Acute Tox. 4-Skin Irrit. 2-Eye Dam. 1-STOT SE 2-STO-SE 2_ROUTE-Aquatic Acute 2-Aquatic Chronic 2;H228-H302-H315-H318-H332-H371-H411		
alpha-Pinene	80-56-8	1-<5%	Flam. Liq. 3-Acute Tox. 4-Skin Irrit. 2-Skin Sens. 1B- Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 1;H226- H302-H304-H315-H317-H410		





Version: 1 (04/04/2024)

## **SAFETY DATA SHEET**

In accordance with UN GHS latest edition

**Product:** Thyme Oil White 800575

Version: 1

d-Limonene	5989-27-5	0.1-<1%	Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1- Aquatic Acute 1-Aquatic Chronic 3;H226-H304-H315- H317-H400-H412
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### Section 4. First-aid measures

#### 4.1 Description of first aid measures

Inhalation: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for

breathing.

**Eye exposure:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present

and easy to do. Continue rinsing.

Skin exposure: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with

water/shower.

**Ingestion:** IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

If swallowed: Rinse mouth. Do not induce vomiting.

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

Harmful if swallowed.

May be fatal if swallowed and enters airways.

Causes severe skin burns and eye damage.

May cause an allergic skin reaction.

Suspected of damaging fertility or the unborn child (exposure route).

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

None expected, see Section 4.1 for further information.

#### Section 5: Firefighting measures

### 5.1 Extinguishing media

Suitable media: Carbon dioxide, Dry chemical, Foam.

# 5.2 Special hazards arising from the substance or mixture

In case of fire, may be liberated: Carbon monoxide, Unidentified organic compounds.

### 5.3 Advice for fire fighters:

In case of insufficient ventilation, wear suitable respiratory equipment.

#### Section 6. Accidental release measures

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

Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 8.

#### 6.2 Environmental precautions:

Keep away from drains, surface and ground water, and soil.





Version: 1 (04/04/2024)

### SAFETY DATA SHEET

In accordance with UN GHS latest edition

**Product:** Thyme Oil White 800575

Version: 1

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

Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.

#### 6.4 Reference to other sections:

Also refer to sections 8 and 13.

### Section 7. Handling and storage

#### 7.1 Precautions for safe handling:

Keep away from heat, sparks, open flames and hot surfaces. - No smoking.

Do not eat, drink or smoke when using this product.

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

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

### 7.3 Specific end use(s):

Fragrance and flavours: Use in accordance with good manufacturing and industrial hygiene practices.

### Section 8. Exposure controls/personal protection

8.1 Control parameters

Workplace exposure limits: Not Applicable

8.2 Exposure Controls

#### **Eye / Skin Protection**

Wear protective gloves/eye protection/face protection

#### **Respiratory Protection**

Under normal conditions of use and where adequate ventilation is available to prevent build up of excessive vapour, this material should not require special engineering controls. However, in conditions of high or prolonged use, or high temperature or other conditions which increase exposure, the following engineering controls can be used to minimise exposure to personnel: a) Increase ventilation of the area with local exhaust ventilation. b) Personnel can use an approved, appropriately fitted respirator with organic vapour cartridge or canisters and particulate filters. c) Use closed systems for transferring and processing this material.

Also refer to Sections 2 and 7.

### Section 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

**Appearance:** Colourless to yellow liquid

Odour: Not determined
Odour threshold: Not determined





Version: 1 (04/04/2024)

### SAFETY DATA SHEET

In accordance with UN GHS latest edition

**Product:** Thyme Oil White 800575

Version: 1

pH: Not determinedMelting point / freezing point: Not determinedInitial boiling point / range: Not determined

Flash point: 49 °C

**Evaporation rate:** Not determined Flammability (solid, gas): Not determined

Upper/lower flammability or explosive limits: Product does not present an explosion hazard

Vapour pressure: Not determined Vapour density: Not determined Relative density @20°C: 0.8950 - 0.9300 Solubility(ies): Not determined Partition coefficient: n-octanol/water: Not determined **Auto-ignition temperature:** Not determined **Decomposition temperature:** Not determined Viscosity: Not determined **Explosive properties:** Not expected **Oxidising properties:** Not expected

**9.2 Other information:**None available

### Section 10. Stability and reactivity

### 10.1 Reactivity:

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

### 10.2 Chemical stability:

Good stability under normal storage conditions.

### 10.3 Possibility of hazardous reactions:

Not expected under normal conditions of use.

### 10.4 Conditions to avoid:

Avoid extreme heat.

# 10.5 Incompatible materials:

Avoid contact with strong acids, alkalis or oxidising agents.

### 10.6 Hazardous decomposition products:

Not expected.

### Section 11. Toxicological information

### 11.1 Information on toxicological effects

Acute Toxicity: Acute Toxicity - Oral Category 4





Version: 1 (04/04/2024)

# **SAFETY DATA SHEET**

In accordance with UN GHS latest edition

**Product:** Thyme Oil White 800575

Version: 1

Acute Toxicity Oral 1726
Acute Toxicity Dermal >5000

Acute Toxicity Inhalation Not Available

Skin corrosion/irritation:Skin Corrosion / Irritation Category 1BSerious eye damage/irritation:Eye Damage / Irritation Category 1Respiratory or skin sensitisation:Sensitization - Skin Category 1

**Germ cell mutagenicity:**Based on available data the classification criteria are not met.
Carcinogenicity:
Based on available data the classification criteria are not met.

**Reproductive toxicity:** Toxic to Reproduction Category 2

**STOT-single exposure:**Based on available data the classification criteria are not met. **STOT-repeated exposure:**Based on available data the classification criteria are not met.

**Aspiration hazard:** Aspiration Hazard Category 1

### Information about hazardous ingredients in the mixture

Ingredient	CAS	LD50/ATE Oral (mg/kg)	LD50/ATE Dermal (mg/kg)	LC50/ATE Inhalation	LC50 Route
Camphor	76-22-2	1500	Not available	Not available	Dust/mist mg/l
Carvacrol	499-75-2	810	Not available	Not available	Not available
Eucalyptol	470-82-6	2480	Not available	Not available	Not available
Linalool	78-70-6	2790	Not available	Not available	Not available
Terpinen-4-ol	562-74-3	1300	2500	3	Vapour mg/l
Thymol	89-83-8	980	Not available	Not available	Not available
p-Cymene	99-87-6	4750	Not available	9.7	Vapour mg/l
p-Mentha-1,3-diene	99-86-5	1680	Not available	Not available	Not available
p-Mentha-1,4-diene	99-85-4	3650	Not available	Not available	Not available

Refer to Sections 2 and 3 for additional information.

### Section 12. Ecological information

# 12.1 Toxicity:

Toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability: Not available
12.3 Bioaccumulative potential: Not available
12.4 Mobility in soil: Not available
12.5 Other adverse effects: Not available



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Issue date: 04/04/2024

Version: 1 (04/04/2024)

### SAFETY DATA SHEET

In accordance with UN GHS latest edition

**Product:** Thyme Oil White 800575

Version: 1

## Section 13. Disposal considerations

#### 13.1 Waste treatment methods:

Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.

### **Section 14. Transport information**

	14.1 UN number:	14.2 UN Proper Shipping Name:	14.3 Transport hazard class (es):	Sub Risk:	14.4 Packing Group:
UN Model Regulations	UN2924	FLAMMABLE LIQUID, CORROSIVE, N. O.S. (p-Cymene, Thymol)	3(8)	8	III
IMDG	UN2924	FLAMMABLE LIQUID, CORROSIVE, N. O.S. (p-Cymene, Thymol, Camphene) MARINE POLLUTANT	3(8)	8	III
ADR,RID,ADN	UN2924	FLAMMABLE LIQUID, CORROSIVE, N. O.S. (p-Cymene, Thymol)	3(8)	8	III
ICAO TI	UN2924	FLAMMABLE LIQUID, CORROSIVE, N. O.S. (p-Cymene, Thymol)	3(8)	8	III

**14.5 Environmental hazards:** This is classified as an environmentally hazardous substance under the UN

Model Regulations. This is classified as a Marine Pollutant under the IMDG

Code.

**14.6 Special precautions for user:** None additional

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:

Not applicable

### Section 15. Regulatory information

None additional

### **Section 16. Other information**

**Concentration % Limits:** SCI 1=11.36% SCI 1B=11.36% SCI 1C=11.36% SCI 2=2.21% SCI 3=0.

22014794% EDI 1=6.67% EDI 2A=2.15% SS 1=14.29% REP 2=16.67% AH 1=25.84% EH A2=17.69% EH A3=1.76% EH C2=22.01% EH C3=2.

20% EH C4=32.59%

**Total Fractional Values:** SCI 1=8.80 SCI 1B=8.80 SCI 1C=8.80 SCI 2=45.34 SCI 3=454.24 EDI

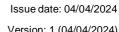
1=15.00 EDI 2A=46.47 SS 1=7.00 REP 2=6.00 AH 1=3.87 EH A2=5.65 EH

A3=56.76 EH C2=4.54 EH C3=45.44 EH C4=3.07

Key to revisions:

Not applicable

Key to abbreviations:





Version: 1 (04/04/2024)

# **SAFETY DATA SHEET**

In accordance with UN GHS latest edition

Thyme Oil White 800575 **Product:** 

Version:

Abbreviation	Meaning
Acute Tox. 3	Acute Toxicity - Inhalation Category 3
Acute Tox. 4	Acute Toxicity - Oral Category 4
Acute Tox. 4	Acute Toxicity - Inhalation Category 4
Acute Tox. 5	Acute Toxicity - Oral Category 5
Acute Tox. 5	Acute Toxicity - Dermal Category 5
Aquatic Acute 1	Hazardous to the Aquatic Environment - Acute Hazard Category 1
Aquatic Acute 2	Hazardous to the Aquatic Environment - Acute Hazard Category 2
Aquatic Acute 3	Hazardous to the Aquatic Environment - Acute Hazard Category 3
Aquatic Chronic 1	Hazardous to the Aquatic Environment - Long-term Hazard Category 1
Aquatic Chronic 2	Hazardous to the Aquatic Environment - Long-term Hazard Category 2
Aquatic Chronic 3	Hazardous to the Aquatic Environment - Long-term Hazard Category 3
Asp. Tox 1	Aspiration Hazard Category 1
Eye Dam. 1	Eye Damage / Irritation Category 1
Eye Irrit. 2A	Eye Damage / Irritation Category 2A
Eye Irrit. 2B	Eye Damage / Irritation Category 2B
Flam. Liq. 3	Flammable Liquid, Hazard Category 3
Flam. Liq. 4	Flammable Liquid, Hazard Category 4
Flam. Sol. 2	Flammable Solid, Hazard Category 2
H226	Flammable liquid and vapour.
H227	Combustible liquid.
H228	Flammable solid.
H302	Harmful if swallowed.
H303	May be harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H313	May be harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H316	Causes mild skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H320	Causes eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H361	Suspected of damaging fertility or the unborn child (exposure route).
H371	May cause damage to organs (organs, exposure route).
H400	Very toxic to aquatic life.
H401	Toxic to aquatic life.
H402	Harmful to aquatic life.



Version: 1 (04/04/2024)

# **SAFETY DATA SHEET**

In accordance with UN GHS latest edition

**Product:** Thyme Oil White 800575

Version:

H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat, sparks, open flames and hot surfaces No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe vapour or dust.
P261	Avoid breathing vapour or dust.
P264	Wash hands and other contacted skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/eye protection/face protection.
P301/310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P301/312	IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell.
P301/330/331	If swallowed: Rinse mouth. Do not induce vomiting.
P302/352	IF ON SKIN: Wash with plenty of soap and water.
P303/361/353	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P304/340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305/351/338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308/313	IF exposed or concerned: Get medical advice/attention.
P309/311	IF exposed or if you feel unwell: Call a POISON CENTRE or doctor/physician.
P310	Immediately call a POISON CENTER or doctor/physician.
P311	Call a POISON CENTRE or doctor/physician.
P312	Call a POISON CENTRE or doctor/physician if you feel unwell.
P330	Rinse mouth.
P331	Do not induce vomiting.
P332/313	If skin irritation occurs: Get medical advice/attention.
P333/313	If skin irritation or rash occurs: Get medical advice/attention.
P337/313	If eye irritation persists: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.
P363	Wash contaminated clothing before reuse.
P370/378	In case of fire: Use carbon dioxide, dry chemical, foam for extinction.
P391	Collect spillage.
P403/233/235	Store in a well-ventilated place. Keep container tightly closed. Keep cool.
P403/235	Store in a well-ventilated place. Keep cool.





Version: 1 (04/04/2024)

# **SAFETY DATA SHEET**

In accordance with UN GHS latest edition

**Product:** Thyme Oil White 800575

Version:

P405	Store locked up.	
P501	Dispose of contents/container to approved disposal site, in accordance with local regulations.	
Repr. 2	Toxic to Reproduction Category 2	
STOT SE 2	Specific Target Organ Toxicity (Single Exposure) Category 2	
STOT SE 3	Specific Target Organ Toxicity (Single Exposure) Category 3	
Skin Corr. 1B	Skin Corrosion / Irritation Category 1B	
Skin Irrit. 2	Skin Corrosion / Irritation Category 2	
Skin Irrit. 3	Skin Corrosion / Irritation Category 3	
Skin Sens. 1	Sensitization - Skin Category 1	
Skin Sens. 1B	Sensitization - Skin Category 1B	

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

References and further information

This product has not been tested, nor deemed safe, for use in tobacco/tobacco products, electronic cigarettes or similar devices. Etja.s.c instructs all customers not to use this material in the manufacture of tobacco / tobacco products, E-Cigarettes or any component thereof unless each customer takes all necessary steps to ensure its suitability and safety for such use.

Information in this SDS has been obtained from either measured values or from available published sources and is believed to be accurate. No warranty, express or implied, is made and assumes no liability resulting from the use of this SDS. The information is offered in good faith but users of this material need to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment and must determine suitability of this information for their application