



## Material Safety Data Sheet

EU Regulation: 1907/2006

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 PRODUCT IDENTIFICATION					
PRODUCT NAME	ANISEED, ESSENTIAL OIL				
INCI NAME	ILICIMUM VERUM FRUIT OIL				
BIOLOGICAL DEFINITION	"ANISE OIL". ILICIMUM VERUM FRUIT OIL IS AN ESSENTIAL OIL DISTILLED FROM THE FRUITS OF THE STAR ANISE, ILICIMUM VERUM, ILliciACEAE.				
SYNONYMS & TRADE NAMES	STAR ANISE OIL, CHINA STAR.				
INTERNAL PRODUCT CODE	K0026				
CAS-NO	84650-59-9	EC No.	283-518-1	EINECS No.	283-518-1
1.2 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET					
COMPANY ADDRESS	YouWish Venserweg 21M, 1112 AR Diemen, The Netherlands				
EMAIL	contact@youwish.nl				
1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET					
EMERGENCY CONTACTS	+31 6 83295085				

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SECTION 2: HAZARDS IDENTIFICATION	
<b>2.1</b>	
<b>CLASSIFICATION OF THE SUBSTANCE OR MIXTURE</b>	THE FULL TEXT FOR ALL HAZARD STATEMENTS IS DISPLAYED IN SECTION 16.
<b>CLASSIFICATION (67/548/EEC)</b>	NO ADDITIONAL DATA AVAILABLE.
<b>CLASSIFICATION (EU1272/2008)</b>	<b>PHYSICAL AND CHEMICAL HAZARDS:</b> NOT CLASSIFIED. <b>HUMAN HEALTH:</b> SKIN SENS. 1 - H317, MUTA. 2 - H341, CARC. 2 - H351 <b>ENVIRONMENT:</b> AQUATIC CHRONIC 3 - H412
<b>2.2</b>	
<b>LABEL ELEMENTS</b>	LABEL IN ACCORDANCE WITH REGULATION (EC) No 1272/2008.
<b>GHS LABEL</b>	  GHS08                      GHS07
<b>SIGNAL WORD</b>	WARNING.
<b>CONTAINS</b>	TRANS-ANETHOLE, ESTRAGOLE, ALPHA- PINENE, D-LIMONENE, ALPHA- TERPINOLENE
<b>HAZARDS STATEMENT</b>	H317 MAY CAUSE AN ALLERGIC SKIN REACTION. H341 SUSPECTED OF CAUSING GENETIC DEFECTS. H351 SUSPECTED OF CAUSING CANCER. H412 HARMFUL TO AQUATIC LIFE WITH LONG LASTING EFFECTS.
<b>SIGNAL WORD</b>	NONE.
<b>PRECAUTIONARY STATEMENTS</b>	P261 AVOID BREATHING VAPOUR/ SPRAY. P273 AVOID RELEASE TO THE ENVIRONMENT. P280 WEAR PROTECTIVE GLOVES/ PROTECTIVE CLOTHING/ EYE PROTECTION/ FACE PROTECTION. P262 DO NOT GET IN EYES, ON SKIN, OR ON CLOTHING. P302+P352 IF ON SKIN: WASH WITH PLENTY OF WATER. P501 DISPOSE OF CONTENTS/ CONTAINER IN ACCORDANCE WITH NATIONAL REGULATIONS.
<b>SUPPLEMENTARY PRECAUTIONARY STATEMENTS</b>	P201 OBTAIN SPECIAL INSTRUCTIONS BEFORE USE. P202 DO NOT HANDLE, UNTIL ALL SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD. P272 CONTAMINATED WORK CLOTHING SHOULD NOT BE ALLOWED OUT OF THE WORKPLACE. P308+P313 IF EXPOSED OR CONCERNED: GET MEDICAL ADVICE/ ATTENTION. P321 SPECIFIC TREATMENT (SEE MEDICAL ADVICE ON THIS LABEL). P333+P313 IF SKIN IRRITATION OR RASH OCCURS: GET MEDICAL ADVICE/ ATTENTION. P362+P364 TAKE OFF CONTAMINATED CLOTHING AND WASH IT BEFORE REUSE. P405 STORE LOCKED UP.
SECTION 16 (OTHER INFORMATION): RISK & SAFETY PHRASES IN FULL.	
<b>2.3</b>	
<b>OTHER HAZARDS</b>	
<b>ADVERSE PHYSIO-CHEMICAL PROPERTIES</b>	NONE.
<b>ADVERSE EFFECTS ON HUMAN HEALTH</b>	NONE.
<b>PBT OR vPvB ACCORDING TO ANNEX XIII</b>	NONE
SECTION 3: COMPOSITION OF INGREDIENTS	
<b>3.1</b>	
<b>SUBSTANCES</b>	NOT APPLICABLE.
<b>3.2</b>	
<b>MIXTURES</b>	> 86.0 % TRANS-ANETHOLE      CAS-NO.: 4180-23-8    EC NO.: 224-052-0 CLASSIFICATION (EC 1272/2008)    SKIN SENS. 1 - H317

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	<b>1.0 – 5.0% ESTRAGOLE</b> CLASSIFICATION (EC 1272/2008) CAS-No.: 140-67-0 EC No.: 205-427-8 ACUTE TOX. 4 - H302, SKIN SENS. 1 - H317, MUTA. 2 - H341, CARC. 2 - H351
	<b>1.0 – 5.0% LINALOOL</b> CLASSIFICATION (EC 1272/2008) CAS-No.: 78-70-6 EC No.: 201-134-4 SKIN IRRIT. 2 - H315, SKIN SENS. 1B- H317, EYE IRRIT. 2 - H319
	<b>&lt; 1.0% D- LIMONENE</b> CLASSIFICATION (EC 1272/2008) CAS-No.: 5989-27-5 EC No.: 227-813-5 FLAM. LIQ. 3 - H226, ASP. TOX. 1 - H304, SKIN IRRIT. 2 - H315, SKIN SENS. 1 - H317, AQUATIC ACUTE 1 - H400, AQUATIC CHRONIC 1 - H410
	<b>&lt; 1.0% P-METHOXYBENZALDEHYDE (ANISALDEHYDE)</b> CAS-No.: 123-11-5 EC No.: 204-602-6 CLASSIFICATION (EC 1272/2008) NOT CLASSIFIED
	<b>&lt; 0.7% ALPHA- TERPINOLENE</b> CAS-No.: 586-62-9 EC No.: 209-578-0 CLASSIFICATION (EC 1272/2008) ASP. TOX. 1 - H304, SKIN SENS. 1 - H317, AQUATIC ACUTE 1 - H400 AQUATIC CHRONIC 1 - H410
	<b>&lt; 0.7% ALPHA- PINENE</b> CAS-No.: 80-56-8 EC No.: 201-291-9 CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3 - H226, ACUTE TOX. 4 - H302, ASP. TOX. 1 - H304, SKIN IRRIT. 2 - H315, SKIN SENS. 1 - H317, AQUATIC ACUTE 1 - H400, AQUATIC CHRONIC 1 - H410

## SECTION 4: FIRST AID MEASURES

<b>4.1</b> <b>DESCRIPTION OF FIRST AID MEASURES</b>	
<b>GENERAL INFORMATION</b>	ALWAYS REMOVE CONTAMINATED CLOTHING IMMEDIATELY.
<b>INHALATION</b>	GET MEDICAL ATTENTION IMMEDIATELY. REMOVE FROM EXPOSURE SITE TO FRESH AIR, KEEP AT REST, AND OBTAIN MEDICAL ATTENTION.
<b>INGESTION</b>	GET MEDICAL ATTENTION IMMEDIATELY. RINSE MOUTH WITH WATER AND OBTAIN MEDICAL ATTENTION.
<b>SKIN CONTACT</b>	REMOVE CONTAMINATED CLOTHING IMMEDIATELY AND WASH SKIN WITH SOAP AND WATER. GET MEDICAL ATTENTION IF IRRITATION PERSISTS AFTER WASHING.
<b>EYE CONTACT</b>	REMOVE ANY CONTACT LENSES AND OPEN EYELIDS WIDE APART. RINSE IMMEDIATELY WITH PLENTY OF WATER. GET MEDICAL ATTENTION IF SYMPTOMS ARE SEVERE OR PERSIST AFTER WASHING.
<b>4.2</b> MOST IMPORTANT SYMPTOMS & EFFECTS (ACUTE & DELAYED)	<b>INHALATION:</b> MAY CAUSE COUGHING AND DIFFICULTIES IN BREATHING. <b>INGESTION:</b> INGESTION IS IRRITATING TO THE RESPIRATORY TRACT AND MAY CAUSE DAMAGE TO THE CENTRAL NERVOUS SYSTEM. <b>SKIN CONTACT:</b> TOXIC IN CONTACT WITH SKIN. <b>EYE CONTACT:</b> MAY CAUSE EYE IRRITATION.
<b>4.3</b> <b>INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION OR SPECIAL TREATMENT REQUIRED</b>	NO ADDITIONAL DATA AVAILABLE.

## SECTION 5: FIRE FIGHTING MEASURES

<b>5.1</b> <b>EXTINGUISHING MATERIAL</b>	FOAM, CO2, DRY CHEMICAL POWDER.
<b>5.2</b> <b>SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE</b>	BURNING PRODUCES IRRITATING, TOXIC AND OBNOXIOUS FUMES
<b>5.3</b> <b>ADVICE FOR FIRE-FIGHTERS</b>	SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS: WEAR POSITIVE-PRESSURE SELF-CONTAINED BREATHING APPARATUS (SCBA) AND APPROPRIATE PROTECTIVE CLOTHING.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

<b>6.1</b> <b>PERSONAL PRECAUTIONS</b>	ENSURE ADEQUATE VENTILATION OF THE WORKING AREA, EVACUATE PERSONNEL TO SAFE AREA, WEAR SUITABLE PROTECTIVE EQUIPMENT. NO SMOKING, SPARKS, FLAMES OR OTHER SOURCES OF IGNITION NEAR SPILLAGE. AVOID CONTACT WITH SKIN, EYES AND CLOTHING.
<b>6.2</b> <b>ENVIRONMENTAL PRECAUTIONS</b>	DO NOT DISCHARGE INTO DRAINS, WATER COURSES OR ONTO THE GROUND. DISPOSE OF IN LINE WITH LOCAL AUTHORITY GUIDELINES.
<b>6.3</b> <b>METHODS &amp; MATERIAL FOR CONTAINMENT AND CLEANING UP</b>	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.

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<b>6.4</b> <b>REFERENCES TO OTHER SECTIONS</b>	REFER & CONSIDER SECTION 8. REFER & CONSIDER SECTION 13.
<b>SECTION 7: HANDLING &amp; STORAGE</b>	
<b>7.1</b> <b>PRECAUTIONS FOR SAFE-HANDLING</b>	HANDLE IN ACCORDANCE WITH GOOD HYGIENE AND SAFETY PRACTICE. KEEP AWAY FROM HEAT, SPARKS, OPEN FLAMES AND HOT SURFACES. - NO SMOKING. USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED. USE IN ACCORDANCE WITH GOOD MANUFACTURING AND INDUSTRIAL HYGIENE PRACTICES. USE IN AREAS WITH ADEQUATE VENTILATION DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT.
<b>7.2</b> <b>CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES</b>	KEEP THE PRODUCT CONTAINER TIGHTLY CLOSED, IN A DRY, VENTILATED AREA. KEEP AWAY FROM POTENTIAL SOURCES OF IGNITION AND PROTECTED FROM LIGHT. MAINTAIN LIMITED CONTACT WITH OXYGEN.
<b>7.3</b> <b>SPECIFIC END USE(S)</b>	SUITABLE FOR COSMETIC, FRAGRANCE, FLAVOUR AND PROFESSIONAL USE ONLY.
<b>SECTION 8: EXPOSURE CONTROLS &amp; PERSONAL PROTECTION</b>	
<b>8.1</b> <b>CONTROL PARAMETERS</b>	<p><b><u>TRANS-ANETHOLE (CAS: 4180-23-8)</u></b></p> <p><b>DNEL</b></p> <p>WORKERS - INHALATION; LONG TERM SYSTEMIC EFFECTS: 26.45 MG/M<sup>3</sup></p> <p>WORKERS - DERMAL; LONG TERM SYSTEMIC EFFECTS: 7.5 BW/DAY, MG/KG</p> <p>GENERAL POPULATION - INHALATION; LONG TERM SYSTEMIC EFFECTS: 6.5 MG/M<sup>3</sup></p> <p>GENERAL POPULATION - DERMAL; LONG TERM SYSTEMIC EFFECTS: 3.75 BW/DAY, MG/KG</p> <p><b>PNEC</b></p> <p>- FRESH WATER; SHORT TERM 0.007 MG/L</p> <p>- STP; SHORT TERM 0.972 MG/L</p> <p><b><u>LINALOOL (CAS: 78-70-6)</u></b></p> <p><b>DNEL</b></p> <p>WORKERS - DERMAL; SHORT TERM SYSTEMIC EFFECTS: 5 MG/KG</p> <p>WORKERS - INHALATION; SHORT TERM SYSTEMIC EFFECTS: 16.5 MG/M<sup>3</sup></p> <p>WORKERS - DERMAL; LONG TERM SYSTEMIC EFFECTS: 2.5 MG/KG</p> <p>WORKERS - INHALATION; LONG TERM SYSTEMIC EFFECTS: 2.8 MG/M<sup>3</sup></p> <p>GENERAL POPULATION - ORAL; SHORT TERM SYSTEMIC EFFECTS: 1.5 MG/KG</p> <p>GENERAL POPULATION - DERMAL; SHORT TERM SYSTEMIC EFFECTS: 2.5 MG/KG</p> <p>GENERAL POPULATION - INHALATION; SHORT TERM SYSTEMIC EFFECTS: 4.1 MG/M<sup>3</sup></p> <p>GENERAL POPULATION - ORAL; LONG TERM SYSTEMIC EFFECTS: 0.2 MG/KG</p> <p>GENERAL POPULATION - DERMAL; LONG TERM SYSTEMIC EFFECTS: 1.25 MG/KG</p> <p>GENERAL POPULATION - INHALATION; LONG TERM SYSTEMIC EFFECTS: 0.7 MG/M<sup>3</sup></p> <p><b>PNEC</b></p> <p>- STP; SHORT TERM 10 MG/L</p> <p>- SOIL; SHORT TERM 0.327 MG/KG</p> <p>- INTERMITTENT RELEASE; SHORT TERM 2 MG/L</p> <p>- FRESH WATER; SHORT TERM 0.2 MG/L</p> <p>- MARINE WATER; SHORT TERM 0.02 MG/L</p> <p>- SEDIMENT (FRESHWATER); SHORT TERM 2.22 MG/KG</p> <p>- SEDIMENT (MARINE WATER); SHORT TERM 0.222 MG/KG</p> <p><b><u>ALPHA PINENE (CAS: 80-56-8)</u></b></p> <p><b>DNEL</b></p> <p>WORKERS - INHALATION; LONG TERM SYSTEMIC EFFECTS: 3.8 MG/M<sup>3</sup></p> <p>WORKERS - DERMAL; LONG TERM SYSTEMIC EFFECTS: 0.54 MG/KG, BW/DAY</p> <p>GENERAL POPULATION - INHALATION; LONG TERM SYSTEMIC EFFECTS: 0.67 MG/M<sup>3</sup></p>

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GENERAL POPULATION - DERMAL; LONG TERM SYSTEMIC EFFECTS: 0.19 MG/KG, BW/DAY  
GENERAL POPULATION - ORAL; LONG TERM SYSTEMIC EFFECTS: 0.19 MG/KG, BW/DAY

**PNEC**

- FRESH WATER; SHORT TERM 0.606 MG/L
- FRESH WATER, INTERMITTENT RELEASE; 3.03 MG/L
- MARINE WATER; SHORT TERM 0.061 MG/L
- INTERMITTENT RELEASE, MARINE WATER; 0.303 MG/L
- STP; SHORT TERM 0.2 MG/L
- SEDIMENT (FRESHWATER); SHORT TERM 157 MG/KG
- SEDIMENT (MARINE WATER); SHORT TERM 15.7 MG/KG
- SOIL; SHORT TERM 31.7 MG/KG

**(R)-P-MENTHA-1,8-DIENE (CAS: 5989-27-5)**

**DNEL**

WORKERS - INHALATION; LONG TERM SYSTEMIC EFFECTS: 33.3 MG/M<sup>3</sup>  
GENERAL POPULATION - ORAL; LONG TERM SYSTEMIC EFFECTS: 4.76 MG/KG

**PNEC**

- STP; 1.8 MG/L
- SOIL; 0.262 MG/KG
- FRESH WATER; 0.0054 MG/L
- MARINE WATER; 0.00054 MG/L
- SEDIMENT (FRESHWATER); 1.32 MG/KG
- SEDIMENT (MARINE WATER); 0.13 MG/KG

**P-METHOXYBENZALDEHYDE (CAS: 123-11-5)**

**DNEL**

WORKERS - INHALATION; LONG TERM SYSTEMIC EFFECTS: 14.7 MG/M<sup>3</sup>  
WORKERS - DERMAL; LONG TERM SYSTEMIC EFFECTS: 6.9 BW/DAY, MG/KG  
GENERAL POPULATION - INHALATION; LONG TERM SYSTEMIC EFFECTS: 4.35 MG/M<sup>3</sup>  
GENERAL POPULATION - DERMAL; LONG TERM SYSTEMIC EFFECTS: 4.2 BW/DAY, MG/KG  
GENERAL POPULATION - ORAL; LONG TERM SYSTEMIC EFFECTS: 2.5 BW/DAY, MG/KG

**PNEC**

- FRESH WATER; SHORT TERM 81.11 MG/L
- FRESH WATER, INTERMITTENT RELEASE; SHORT TERM 811.1 MG/L
- MARINE WATER; SHORT TERM 8.111 MG/L
- STP; SHORT TERM 4.5 MG/L
- SEDIMENT (FRESHWATER); SHORT TERM 409 MG/KG
- SEDIMENT (MARINE WATER); SHORT TERM 40.9 MG/KG
- SOIL; SHORT TERM 96.7 MG/KG

**A TERPINOLENE (CAS: 586-62-9)**

**DNEL**

WORKERS - INHALATION; LONG TERM SYSTEMIC EFFECTS: 3.6 MG/M<sup>3</sup>  
WORKERS - DERMAL; LONG TERM SYSTEMIC EFFECTS: 0.52 BW/DAY, MG/KG  
GENERAL POPULATION - INHALATION; LONG TERM SYSTEMIC EFFECTS: 0.9 MG/M<sup>3</sup>  
GENERAL POPULATION - DERMAL; LONG TERM SYSTEMIC EFFECTS: 0.26 BW/DAY, MG/KG  
GENERAL POPULATION - ORAL; LONG TERM SYSTEMIC EFFECTS: 0.26 BW/DAY, MG/KG

**PNEC**

- FRESH WATER; SHORT TERM 0.634 MG/L
- INTERMITTENT RELEASE, FRESH WATER; SHORT TERM 0.634 MG/L

	<ul style="list-style-type: none"> <li>- MARINE WATER; SHORT TERM 0.063 MG/L</li> <li>- STP; SHORT TERM 0.2 MG/L</li> <li>- SEDIMENT (FRESHWATER); SHORT TERM 14.7 MG/KG</li> <li>- SEDIMENT (MARINE WATER); SHORT TERM 14.7 MG/KG</li> <li>- SOIL; SHORT TERM 29.1 MG/KG</li> </ul>
<b>8.2 EXPOSURE CONTROLS</b> 	
<b>EYE PROTECTION</b>	WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION.
<b>HAND PROTECTION</b>	WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION.
<b>RESPIRATORY EQUIPMENT</b>	<p>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.</p>
<b>HYGIENE MEASURES</b>	GOOD PERSONAL HYGIENE PRACTICES ARE ALWAYS ADVISABLE, ESPECIALLY WHEN WORKING WITH CHEMICALS / OILS.
<b>ENGINEERING MEASURES</b>	PROVIDE ADEQUATE VENTILATION.
<b>SKIN PROTECTION</b>	WEAR PROTECTIVE CLOTHING TO REDUCE THE RISK OF SKIN AND EYE CONTACT.
<b>PERSONAL PROTECTION</b>	AVOID INHALATION OF THE PRODUCT. AVOID CONTACT WITH SKIN AND EYES.
<b>OTHER PROTECTION</b>	WEAR SUITABLE PROTECTION TO AVOID CONTACT WITH SKIN AND EYES. DO NOT INHALE VAPOURS.
<b>PROCESS CONDITIONS</b>	ENSURE AREA IS WELL VENTILATED. AVOID VAPOUR INHALATION. SAFETY SHOWER & EYE BATH.
<b>ENVIRONMENTAL EXPOSURE CONTROLS</b>	AVOID DISCHARGING INTO DRAINAGE WATER.
<b>SECTION 9: PHYSICAL &amp; CHEMICAL PROPERTIES</b>	
<b>9.1 PHYSICAL &amp; CHEMICAL PROPERTIES</b>	
<b>APPEARANCE</b>	LIQUID
<b>COLOUR</b>	PALE YELLOW – YELLOW
<b>ODOUR</b>	CHARACTERISTIC
<b>RELATIVE DENSITY</b>	APPROX. 0.984 @ 20°C
<b>FLASH POINT (°C)</b>	96°C.
<b>REFRACTIVE INDEX @ 20 °C</b>	APPROX. 1.560 @ 20°C
<b>SOLUBILITY IN WATER @ 20 °C</b>	INSOLUBLE IN WATER
<b>9.2 OTHER INFORMATION</b>	NO DATA.
<b>SECTION 10: STABILITY &amp; REACTIVITY</b>	
<b>10.1 REACTIVITY</b>	NOT APPLICABLE.
<b>10.2 CHEMICAL STABILITY</b>	STABLE UNDER SUGGESTED STORAGE CONDITIONS (<15°C).
<b>10.3 POSSIBILITY OF HAZARDOUS REACTIONS</b>	NOT EXPECTED UNDER NORMAL CONDITIONS OF USE.

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<b>10.4</b> <b>CONDITIONS TO AVOID</b>	STORAGE AT HIGH TEMPERATURES. DO NOT STORE ABOVE 15°C. AVOID HEAT, FLAMES AND OTHER SOURCES OF IGNITION.
<b>10.5</b> <b>INCOMPATIBLE MATERIALS</b>	AVOID CONCENTRATED ACIDS, ALKALIS & OXIDISING AGENTS.
<b>10.6</b> <b>HAZARDOUS DECOMPOSITION PRODUCTS</b>	THIS PRODUCT DOES NOT DECOMPOSE UNDER NORMAL CONDITIONS. UNDER FIRE CONDITIONS THE PRODUCT WILL PRODUCE A MIXTURE OF IRRITATING FUMES & SMOKE & CARBON MONOXIDE.

## SECTION 11: TOXICOLOGICAL INFORMATION

<b>11.1</b> <b>TOXICOLOGICAL EFFECTS</b>	
<b>ACUTE TOXICITY</b>	ACUTE TOXICITY - ORAL ATE ORAL 15,151.52 MG/KG
<b>SKIN IRRITATION</b>	NOT CLASSIFIED.
<b>EYE DAMAGE OR IRRITATION</b>	NOT CLASSIFIED.
<b>RESPIRATORY OR SKIN SENSITIVITY</b>	MAY CAUSE AN ALLERGIC SKIN REACTION.
<b>GERM CELL MUTAGENICITY</b>	SUSPECTED OF CAUSING GENETIC DEFECTS.
<b>CARCINOGENICITY</b>	SUSPECTED OF CAUSING CANCER.
<b>REPRODUCTIVE TOXICITY</b>	NOT CLASSIFIED.
<b>STOT – SINGLE EXPOSURE</b>	NOT CLASSIFIED.
<b>STOT – REPEATED EXPOSURE</b>	NOT CLASSIFIED.
<b>ASPIRATION HAZARD</b>	NOT CLASSIFIED.
<b>OTHER INFORMATION</b>	NO ADDITIONAL DATA AVAILABLE.

## SECTION 12: ECOLOGICAL INFORMATION

<b>12.1</b> <b>TOXICITY</b>	HARMFUL TO AQUATIC LIFE WITH LONG LASTING EFFECTS.
<b>12.2</b> <b>PERSISTENCE &amp; DEGRADABILITY</b>	NO ADDITIONAL DATA AVAILABLE.
<b>12.3</b> <b>BIO- ACCUMULATIVE POTENTIAL</b>	NO ADDITIONAL DATA AVAILABLE.
<b>12.4</b> <b>MOBILITY IN SOIL</b>	NO ADDITIONAL DATA AVAILABLE.
<b>12.5</b> <b>RESULTS OF PBT &amp; VPVB ASSESSMENT</b>	NO ADDITIONAL DATA AVAILABLE.
<b>12.6</b> <b>OTHER ADVERSE EFFECTS</b>	DO NOT ALLOW PRODUCT TO ENTER STREAMS, SEWERS OR OTHER WATERWAYS.

## SECTION 13: DISPOSAL INFORMATION

<b>13.1</b> <b>WASTE TREATMENT METHODS</b>	ALWAYS RECOVER SPILLED PRODUCT. DISCARD WASTE MATERIAL WITH AUTHORIZED WASTE MANAGEMENT SERVICES. ACT IN ACCORDANCE WITH LOCAL & NATIONAL WASTE REGULATIONS.
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SECTION 14: TRANSPORT INFORMATION	
14.1 TRANSPORT INFORMATION	
UN NUMBER	<b>ROAD:</b> NOT CLASSIFIED <b>SEA:</b> NOT CLASSIFIED <b>AIR:</b> NOT CLASSIFIED
14.2 UN Shipping Name	NOT APPLICABLE.
14.3 TRANSPORT HAZARD CLASS(ES)	NOT APPLICABLE.
14.4 PACKING GROUP	NOT APPLICABLE.
14.5 ENVIROMENTAL HAZARDS	NOT ENVIRONMENTALLY HAZARDOUS FOR TRANSPORT.
14.6 SPECIAL PRECAUTIONS FOR USER	SEE SECTIONS 6-8.
14.7 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 & THE IBC CODE.	NOT APPLICABLE.
SECTION 15: REGULATORY INFORMATION	
15.1 PRODUCT SPECIFIC SAFETY, HEALTH & ENVIRONMENTAL REGULATIONS & LEGISLATION	
EU DIRECTIVES	REGULATION (EC) NO 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL OF 18 <sup>TH</sup> DECEMBER 2006. CONCERNING THE REGISTRATION, EVALUATION, AUTHORIZATION & RESTRICTION OF CHEMICALS (REACH), ESTABLISHING A EUROPEAN CHEMICALS AGENCY, AMENDING DIRECTIVE 1999/45/EC AND REPEALING COUNCIL REGULATION (EEC) NO793/93 & COMMISSION REGULATION (EC) NO1488/94 AS WELL AS COUNCIL DIRECTIVE 76/769/EEC & COMMISSION DIRECTIVE 91/155/ECC, 93/67/ECC, 93/105/EEC & 2000/21/EC (INCLUDING AMENDMENTS).
STATUTORY INSTRUMENTS	THE CHEMICALS (HAZARD INFORMATION & PACKAGING FOR SUPPLY REGULATIONS 2009 (S.I.2009 NO 716).
APPROVED CODE OF PRACTICE	CLASSIFICATION & LABELLING OF SUBSTANCES & PREPARATIONS DANGEROUS FOR SUPPLY. SAFETY DATA SHEETS FOR SUBSTANCES & PREPARATIONS.
GUIDANCE NOTES	WORKPLACE EXPOSURE LIMITS EH40. CHIP FOR EVERYONE HSG 108.
15.2 CHEMICAL SAFETY ASSESSMENT	ASSESSMENT HAS NOT BEEN CARRIED OUT AS THIS IS A NON-HAZARDOUS MATERIAL ACCORDING TO ARTICLE 31 OF REACH 1907/2006.

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## SECTION 16: OTHER INFORMATION

HAZARD AND/ OR PRECAUTIONARY STATEMENTS IN FULL

H226 FLAMMABLE LIQUID AND VAPOUR.  
H302 HARMFUL IF SWALLOWED.  
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.  
H341 SUSPECTED OF CAUSING GENETIC DEFECTS.  
H351 SUSPECTED OF CAUSING CANCER.  
H400 VERY TOXIC TO AQUATIC LIFE.  
H410 VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.  
H412 HARMFUL TO AQUATIC LIFE WITH LONG LASTING EFFECTS.

**TRAINING INSTRUCTIONS: REFER TO POSSIBLE HAZARD BEFORE USE OF THIS PRODUCT.**

### ABBREVIATIONS & ACRONYMS:

<b>MSDS</b>	MATERIAL SAFETY DATA SHEET.
<b>INCI</b>	INTERNATIONAL NOMENCLATURE OF COSMETIC INGREDIENTS.
<b>CAS</b>	CHEMICAL ABSTRACT SERVICE.
<b>IMDG</b>	INTERNATIONAL MARITIME CODE FOR DANGEROUS GOODS.
<b>ADR</b>	ACCORD EUROPEAN SUR LE TRANSPORT DES MARCHANDISES DANGEREUSES PAR ROUTE (EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD).
<b>RID</b>	INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY RAIL.
<b>ICAO</b>	INTERNATIONAL CIVIL AVIATION ORGANIZATION.
<b>ADN</b>	INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY INLAND WATERWAYS.
<b>GHS</b>	GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION & LABELLING OF CHEMICALS.
<b>TREM CARD</b>	TRANSPORT EMERGENCY CARD.
<b>STOT</b>	SPECIFIC TARGET ORGAN TOXICITY.

## DOCUMENTATION REVISION

DATE	CHANGE DESCRIPTION
10 <sup>TH</sup> APRIL 2018	DATA LAUNCH
2021	REVIEW

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