

<b>MATERIAL SAFETY DATA SHEET</b> <b>According 1907/2006 (REACH) and (EC) N° 1272/2008</b>
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***The Edge Nail and Beauty ltd***


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**1.1. Product identifier**

Trade name : **Base TFF 7229j**  
 Product code : 7229j

**1.2. Relevant identified uses of the mixture and uses advised against**

Normal use of the mixture : Raw material for nail polish manufacturing.  
 Recommended restrictions : At that time we do not yet have information on use on use restrictions. They will be included in this safety data sheet when available.

**1.3. Details of the supplier of the safety data sheet**

Company :  
 Addressee THE EDGE NAIL & BEAUTY LTD  
 UNIT C1 ANTURA  
 Telephone BOND CLOSE, KINGSLAND BUSINESS PARK  
 Fax BASINGSTOKE  
 E-mail address HAMPSHIRE  
 RG24 8PZ  
 ENGLAND  
 Email: sales@edgenails.co.uk

**1.4. Emergency telephone number**

Emergency Telephone : T e l : + 4 4 ( 0 ) 1 2 5 6 8 4 0 8 4 0  
 : F a x : + 4 4 ( 0 ) 1 2 5 6 8 4 4 0 6 9

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**2. HAZARDS IDENTIFICATION**


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**2.1. Classification of the mixture****Classification according to regulation (EC) No 1272/2008**

Hazard class	Hazard category	Hazard statements
Flamm. Liq. (Flammable liquids)	Category 2	H225

Eye irrit. (Eye irritation)	Category 2	H319
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STOT SE (Specific Target Organ Toxicity – Single Exposure)	Categorie 3	H336

For the full text of the H-Statements mentioned in this Section, see Section 16.

### Classification according to EU Directives 67/548/EEC or 1999/45/EC

Hazard symbol / Category of danger	Risk phrases
Highly flammable (F)	R11
Irritant (Xi)	R36
	R66
	R67

For the full text of the R-phrases mentioned in this Section, see Section 16.

For further information, in particular on the S-phrases, see Section 16.

**Primary route of exposure** : Skin or eye contact, inhalation of vapours.

### Most important adverse effects

**Human Health** : See section 11 for toxicological information. No further information available.

**Physical and chemical hazards** : See section 9 for physicochemical information., No further information available.

**Potential environmental effects** : See section 12 for environmental information. No further information available.

## 2.2. Label elements

### Labelling according to regulation (EC) N°1272/2008

**Hazard symbols** : SGH 02 SGH 07

**Signal word** : Danger

**Hazard statements** : H225 Highly flammable liquid and vapour.  
: H319 Causes serious eye irritation.  
: H336 May cause drowsiness or dizziness.

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**Precautionary statements**

Prevention	: P210 Keep away from heat / sparks / open flames/hot surfaces. - No smoking.  : P241 Use explosion-proof electrical / ventilating / light / ... / equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. P261 Avoid breathing dust/fume/gas/mist/vapours/spray P271 Use only outdoors or in a well-ventilated area P280 Wear protective gloves / protective clothing / eye protection / face protection.
Response	: P312 Call a POISON CENTER or doctor/physician if you feel unwell P370 + 378 In case of fire: Use chemical powders, carbon dioxide for extinction P305 + 351 + 338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
Storage	: P403 + 233 Store in a well ventilated place. Keep container tightly closed
<b>Additional Labelling</b>	: EUH066 Repeated exposure may cause skin dryness or cracking.
<b>Hazardous components which must be listed on the label</b>	: Ethyl acetate Propanol Butyl Acetate

**2.3. Other hazards**

No other information is available.

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**3. COMPOSITION/INFORMATION ON INGREDIENTS**


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This product is considered dangerous and contains the following hazardous substances:

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<u>Name</u>	<u>%</u>	<u>Index CEE</u>	<u>Cas</u>	<u>Einecs</u>	Directives 67/548/EE C	R (EC) No 1272/2008		
					<u>Symbol(s)</u>	<u>Phrase(s)</u> R	<u>Hazard class</u>	<u>Hazard statement</u>
Ethyl Acetate	> 30 < 40	607-022-00-5	141-78-6	205-500-4	F.Xi	11 / 36 / 66 / 67	Flam. Liq. 2 / Eye irrit. 2 / STOT SE 3	H225 / H319 / H336
n-Butyl Acetate	> 20 < 30	607-025-00-1	123-86-4	204-658-1	----	10 / 66 / 67	Flam. Liq. 3 / STOT SE 3	H226 / H336
Propane-2-ol	> 5 < 10	603-117-00-0	67-63-0	200-661-7	F.Xi	11 / 36 / 67	Flam. Liq. 2 / Eye irrit. 2 / STOT SE 3	H225 / H319 / H336

For the full text of the R-phrases and H-statement mentioned in this Section, see Section 16.

#### **4. FIRST AID MEASURES**

##### **4.1. Description of first aid measures**

<b>General advice</b>	<b>: In general, in case of doubt or if symptoms persist, consult a physician and show the product label or this MSDS. Never give anything by mouth to a person who is unconscious or likely to become so (state of shock, etc ...)</b>
If inhaled	: Move to fresh air, keep warm and get medical advice. If breathing is irregular or stops, give artificial respiration (if possible give oxygen) and contact the local Emergency Services.
In case of skin contact	: Remove soiled clothing, clean affected areas with copious amounts of soapy water. Do not use solvents.

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- In case of eye contact : In case of contact with eyes, rinse immediately with fresh water for 15 minutes holding eyelids open.  
Refer the victim to an ophthalmologist immediately and show the product label or this MSDS; this should be treated as an emergency in case of symptoms (redness, pain, visual problems).
- If swallowed : If quantity is small (less than a mouthful), rinse mouth with water. DO NOT induce vomiting. In all cases, seek medical attention.

#### 4.2. Most important symptoms and effects associated with exposure

- If inhaled : Possible drowsiness and dizziness. Risk of respiratory problems.
- In case of skin contact : Redness, pain. The skin absorbs part of the ingredients of this product. Can cause dry or chapped skin.
- In case of eye contact : Redness, watering, blurred vision. Risk of irritant effect on eyes.
- If swallowed : Health risk even in small quantities. Product should not come into contact with foodstuffs.

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

- Treatment** : Treat symptomatically.  
No further information available.

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### 5. FIRE-FIGHTING MEASURES

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#### 5.1. Extinguishing media

- For minor fires : Chemical powders, carbon dioxide and other extinguishing gases may be suitable for minor fires.
- Recommended : Special foam for polar liquids.
- To avoid : Water without additives.

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**5.2. Special hazards arising from the mixture**

Specific hazards during fire fighting : Fire often produces a dense black smoke and vapours (may be invisible) heavier than air and spread along ground.

Exposure to decomposition products (such as carbon monoxide or dioxide) constitutes a serious health hazard.

Do not inhale smoke.

Vapours may form explosive mixtures with air.

**5.3. Advice for firefighters**

Special protective equipment : Self-contained breathing apparatus to protect against toxic gases produced by thermal decomposition.

Wear appropriate body protection (full protective suit)

Further information : Use water to keep the containers exposed to fire cool.  
 Heating will cause a pressure rise - with risk of bursting.  
 Avoid naked flames or other sources of ignition in areas where product is used.

Protect electrical equipment (risk of explosive zones).

Dry residue stay highly flammable (contain nitrocellulose).

Exercise caution when fighting any chemical fire.

Prevent fire-fighting effluent from entering drains, watercourses and/or environment.

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**6. ACCIDENTAL RELEASE MEASURES**


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**6.1. Personal precautions, protective equipment and emergency procedures**

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Personal precautions : As the product contains organic solvents and other highly inflammable substances, remove all possible sources of ignition and thoroughly ventilate premises. Use personal protective equipment and keep away unprotected persons. Do not inhale fumes / gas / vapours / spray. Avoid skin and eye contact.  
 See Sections 7 et 8.

## 6.2. Environmental precautions

Environmental precautions : Prevent product from entering drains or watercourses. Avoid subsoil penetration. If the product contaminates ground water, rivers or drains (or is likely to do so), notify the relevant authorities, following the statutory procedures.

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

Methods and materials : Clean up any spills as soon as possible, using a non-combustible absorbent material to collect it, for example: sand, earth, vermiculite, diatomic earth. Collect material into suitable drums for disposal in accordance with regulations (see Section 13). It is preferable to clean with detergents, do not use solvents.

## 6.4. Reference to other sections

For personal protection see section 8.

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## 7. HANDLING AND STORAGE

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### 7.1. Precautions for safe handling



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- Advice on safe handling : Keep container tightly closed. Ensure adequate ventilation. Use personal protective equipment (see section 8). Avoid contact with the skin the eyes. Emergency eye wash fountains and emergency showers should be available in the immediate vicinity. Handle empty containers with care because residual vapours are flammable. Dry residue stay highly flammable (contain nitrocellulose). Avoid naked flames or other sources of ignition in areas where product is used. No smoking. Fumes are heavier than air and they may spread at ground level and form explosive mixtures with air. Avoid the formation of explosive concentrations and concentrations above occupational exposure limits. Do not allow unauthorized persons into areas where product is used.
- Technical protective measures : Provide proper grounding. Use only non-sparking tools. Do not use compressed air to either agitate or transfer the contents of storage containers (tanks) / shipping drums containing this material
- Avoid build-up of static charges by:
- ensuring that flooring is conductive and keeping it clean,
  - ensuring that equipment is earthed during transfer or stirring of the product or preparations containing the product,
  - the use of antistatic shoes, clothing and packaging.
- Hygiene measure : Keep away from food, drink and animal feedingstuffs. Smoking, eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of workday. Take off all contaminated clothing immediately. Avoid contact with the eyes and the skin. Do not breathe gas / fumes / vapour / spray.

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## **7.2. Conditions for safe storage**

Requirements for storage : Store in tightly closed containers, in a cool, dry and well-ventilated place. Unsuitable working materials : various plastics. Keep in an area equipped with solvent resistant flooring.

Keep away from direct sunlight, from heat or sources of ignition – No smoking. The vapour may be invisible, heavier than air and spread along ground. Vapours may form explosive mixtures with air. Take measures to prevent the build up of electrostatic charge. Use only in an area containing explosion proof equipment.

Keep away from food, drink and animal feedingstuffs.

## **7.3. Specific end uses**

**No information available**

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## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **8.1. Control parameters**

<b>OELs (Occupational Exposure Limit values)</b>		
<b>Component</b>	<b>TLV</b> (Threshold Limit value)	<b>PEL (Permissible Exposure Limit)</b>
Ethyl Acetate	400 ppm / 1.500 mg/m <sup>3</sup>	-
Butyl Acetate	150 ppm	-
Isopropyl Alcohol	200 ppm / 500 mg/m <sup>3</sup>	-
Methylal	1000 mg/m <sup>3</sup>	-

### **8.2. Exposure controls**

#### **Engineering measures**

Refer to protective measures listed in sections 7 and 8.

#### **Personal protective measures**

Respiratory protection : If vapour concentrations exceed the established exposure limits, respiration protection is necessary, wear a gas mask (A-P2) with appropriate cartridge.

Eye protection : Use eye protection (chemical goggles or safety glasses) to avoid splashing.

Hand protection : Use adapted gloves (in accordance with EN 374) to prevent skin contact and possible irritation.

Skin and body protection : Solvent resistant protective clothing.

Ingestion: : When using, do not eat, drink or smoke.

Personal hygiene : Minimize breathing of vapour. Avoid prolonged contact with skin. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Changing of clothes at the end of work.

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Environmental exposure controls : Prevent product from entering drains or watercourses.  
If product contaminates ground water, rivers or drains (or is likely to do so), notify the relevant authorities, following the statutory procedures.

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## **9. PHYSICAL AND CHEMICAL PROPERTIES**

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### **9.1. Information on basic physical and chemical properties**

Appearance/form	:	Viscous liquid
Colour	:	Colourless
Odour	:	Solvent
Odour Threshold	:	No data available
pH	:	Not applicable
Freezing point	:	No data available
Boiling Point/Range (°C)	:	> 77 °C
Flash Point (°C)	:	< 21 °C
Evaporation rate	:	No data available
Flammability (solid, gas)	:	Formation of explosive air/vapour mixtures is possible
Explosive Limits % Vol	:	lower upper
Ethyl Acetate	:	2,1 11,5
Butyl Acetate	:	1,2 7,5
Isopropyl Alcohol	:	2 12
Vapour pressure	:	No data available
Relative vapour density	:	No data available
Density	:	0,95 - 1,05 gr/cm <sup>3</sup> at 20 °C
Water solubility	:	Not miscible.
Partition coefficient : n-octanol/water	:	No data available
Ignition temperature	:	No data available
Thermal decomposition	:	No data available
Viscosity at 25°C (mpas)	:	Variable
Explosive properties	:	No data available
Oxidizing properties	:	No data available

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**9.2. Other information**

No further information available.

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**10. STABILITY AND REACTIVITY**

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**10.1. Reactivity**

Reactivity : No information available.

**10.2. Chemical stability**

Chemical stability : No decomposition and stable if stored and applied as directed and under normal conditions.

**10.3. Possibility of hazardous reactions**

Hazardous reactions : No information available..

**10.4. Conditions to avoid**

Conditions to avoid : Heat, flames, sparks, static charges and direct sunlight. Unsuitable working materials: various plastics. Sensitive to air. Explosible with air in a vaporous/gaseous state.

**10.5. Incompatible materials**

Materials to avoid : Alkali metals, strong acids / alkalis, fluorine, hydrides, strong oxidizing agents, water with air and light.

**10.6. Hazardous decomposition products**

Hazardous products : Thermal decomposition may liberate carbon oxides and nitrogen oxides.

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## **11. TOXICOLOGICAL INFORMATION**

### **11.1. Information on toxicological effects**

<b>Toxicity</b>	<b>Value</b>	<b>Method</b>	<b>Result</b>
LD50	>4808 mg / kg	Additivity formula	No acute toxicity
Oral acute toxicity	> 2000 mg / kg	Additivity formula	
Inhalation acute toxicity	> 20 mg / l	Additivity formula	
Dermal acute toxicity	> 2000 mg / kg	Additivity formula	
<b>Eyes irritation</b>	<b>Irritating</b>	<b>Bridging principle</b>	<b>Eye irrit. Cat. 2</b>
Skin irritation	No irritating	Bridging principle	No skin irrit.
Sensitisation	No sensitisation	Bridging principle	No Sensitisation
<b>Specific target organ toxicity after single exposure</b>	<b>May cause drowsiness and dizziness</b>	<b>Bridging principle</b>	<b>STOT SE Cat. 3</b>

### **Most important symptoms and effects associated with exposure**

If inhaled : Possible drowsiness and dizziness. Risk of respiratory problems.

In case of skin contact : Redness, pain. The skin absorbs part of the ingredients of this product. Can cause dry or chapped skin.

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In case of eye contact : Redness, watering, blurred vision. Risk of irritant effect on eyes.

If swallowed : Health risk even in small quantities. Product should not come into contact with foodstuffs.

### **Delayed and immediate effects as well as chronic effects from short and long-term exposure**

Exposure to levels above the values under Section 8, or regular exposure even if levels are lower, of vapours from solvents present in the preparation may be harmful for health; the effects through inhalation of the vapours and/or contact with skin on long or short time are:

- Irritation of mucous membranes and respiratory tract, renal, liver and central nervous system,
- Affections,
- Symptoms include headaches, dizziness, fatigue, muscular asthenia and, in extreme cases,
- Unconsciousness.

Prolonged or repeated skin contact can lead to defatting, provoking non-allergic contact dermatitis and absorption of product through the skin. A regular medical follow-up is necessary.

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## ***12. ECOLOGICAL INFORMATION***

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### **12.1. Toxicity**

No information available

### **12.2. Persistence and degradability**

No information available

### **12.3. Bioaccumulative potential**

No information available

### **12.4. Mobility in soil**

No information available

### **12.5. Results of PBT and vPvB assessment**

No information available

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**12.6. Other adverse effects**

Remarks : Do not flush into surface water or sanitary sewer system.  
 Avoid subsoil penetration.  
 Risk of formation of explosive vapours above water surface.

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**13. DISPOSAL CONSIDERATIONS**


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**13.1. Waste treatment methods**

Product : Avoid release to the environment or drains.  
 Disposal together with normal waste is not allowed.  
 Dispose of this product at hazardous or special waste collection point or give to an agreed waste collector / transporter for elimination or treatment.  
 Dispose in a safe manner in accordance with local regulations.

Contaminated packaging : Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning. Do not burn, or use a cutting torch on, the empty drum. Risk of explosion.

Container : Empty containers /drums for storage or transport before giving to an agreed collector. Keep label (Flame, Class 3) on the container and dispose of it as hazardous waste.

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**14. TRANSPORT INFORMATION**


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**14.1. UN number**

1263

**14.2. UN proper shipping name**

ADR : PAINT RELATED MATERIAL  
 RID : PAINT RELATED MATERIAL  
 IMDG : PAINT RELATED MATERIAL



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**14.3. Transport hazard class(es)**

ADR-Class : 3  
 (Labels ; Classification Code ; Hazard identification N° ; Tunnel restriction code) 3 ; F1 ; 33 ; 2 (D / E)

RID-Class : 3  
 (Labels ; Classification Code ; Hazard identification N° ) 3 ; F1 ; 33

IMDG-IMCO Code : 3.1  
 (EmS ; Flashpoint) 3-05 ; - 4°C

IATA / IACO Label : Flammable liquid

**14.4. Packaging group**

ADR : II  
 RID : II  
 IMDG : II  
 IATA / IACO : II

**14.5. Environmental hazards**

No information available

**14.6. Special precautions for user**

No information available

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

No information available

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**15. REGULATORY INFORMATION**


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**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

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Other regulation : Occupational restrictions: Take note of Dir 92/85/EEC on the safety and health of pregnant workers at work and of Dir 94/33/EC on the protection of young people at work.

	Ethyl acetate	n-butyl acetate	Propan-2-ol	Others products			
Regulatory List	Notif.	Notif. number	Notif.	Notif. number	Notif.	Notif. number	No information available
AICS	YES		YES		YES		
DSL	YES		YES		YES		
INV (CN)	YES		YES		YES		
ENCS (JP)	YES	(2)-726	YES	(2)-731	YES	(2)-207	
JEX (JP)	YES	(2)-726			YES	(2)-207	
ISHL (JP)	YES	(2)-726	YES	(2)-731	YES	(2)-207	
ISHL (JP)			YES	2-(6)-226	YES	2-(8)-319	
NZ CLSC					YES		
TSCA	YES		YES		YES		
EINECS	YES	205-500-4	YES	204-658-1	YES	200-661-7	
KECI (KR)			YES	KE-04179	YES	KE-29363	
PICCS (PH)			YES		YES		

## 15.2. Chemical Safety Assessment

No information available.

## 16. OTHER INFORMATION

### Full symbols referred to under sections 2 and 3

EU Directives 67/548/EEC or 1999/45/EC	Xi	: Irritant
	F	: Highly flammable
Regulation (EC) No 1272/2008	SGH 02	: Flame
	SGH 07	: Exclamation mark

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**Full text of R-phrases referred to under sections 2 and 3**

R Phrases	R11	: Highly flammable.
	R36	: Irritating to eyes.
	R66	: Repeated exposure may cause skin dryness or cracking.
	R67	: Vapours may cause drowsiness and dizziness.

**Full text of H-Statements referred to under sections 2 and 3**

H Statements	H319	: Causes serious eye irritation.
	H225	: Highly flammable liquid and vapour.
	H226	: Flammable liquid and vapour.
	H336	: May cause drowsiness or dizziness.

**Further information on the S-phrases**

S Phrases	S9	: Keep container in a well-ventilated place.
	S16	: Keep away of sources of ignition - No smoking.
	S26	: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S27	: Take off immediately all contaminated clothing.
	S29	: Do not empty into drains.
	S33	: Take precautionary measures against static discharges.
	S37/39	: Wear protective gloves and eye/face protection.
	S43	: In case of fire, use special foam for polar liquids or chemical powders, carbon dioxide. Never use water.
	S45	: In case of accident or if you feel unwell, seek medical advice immediately (show the label when possible).

*The contents and format of this MSDS are in accordance with regulation (EC) N° 1272/2008 and the regulation (EC) N° 1907/2006.*

*DISCLAIMER OF LIABILITY The information contained in this Material Safety Data Sheet was obtained from sources, which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge.*

*For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.*

*This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.*