

## MATERIAL SAFETY DATA SHEET

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### 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier: **BRILLBIRD HARDENING BASECOAT**

1.2. Relevant identified uses of the mixture and uses advised against:  
cosmetic product, nail polish

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

BRILLBIRD Europe Ltd.  
1135 Budapest, Jasz st. 15/a. Hungary  
tel.: 003630/506-8820  
e-mail: [brbirdeurope@gmail.com](mailto:brbirdeurope@gmail.com)

1.4. Emergency telephone number:

BRILLBIRD Europe Ltd.: Sara Lagyanszki director, tel.: 003630/506-8820 (office hours)

International Emergency Phone Numbers: 1-352-323-3500 (call around the clock)

Toxicological Information Service Hungary: 003680/201199 (call around the clock)

### 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture:

The mixture is classified as dangerous: irritative and highly flammable.

The mixture's hazards on the man: irritating to eyes. May cause sensitisation by skin contact. Repeated exposure may cause skin dryness or cracking. Vapors may cause drowsiness and dizziness.

The mixture's hazards on the environment: highly flammable.

2.2. Label elements:



Xi-irritative

R 11 Highly flammable  
R 36 Irritating to eyes  
R 43 May cause sensitisation by skin contact  
R 66 Repeated exposure may cause skin dryness or cracking  
R 67 Vapors may cause drowsiness and dizziness



F- highly flammable

S 2 Keep out of the reach of children  
S 16 Keep away from sources of ignition - No smoking  
S 24/25 Avoid any inhalation, contact with skin and eyes. Wear suitable protective clothing and gloves  
S 33 Take precautionary measures against static discharges

2.3. Other hazards: -

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS no.	EU no.	INCI name:	Classified:	R-phrase:	%
Ethyl Acetate	141-78-6	205-500-4	ethyl acetate	F; Xi	R:11-36-66-67	>40<50
n-Butyl Acetate	123-86-4	204-658-1	butyl acetate	-	R:10-66-67	>20<30
Nitrocellulose	9004-70-0	263-069-9	nitrocellulose	F	R:11	>10<20
Isopropyl Alcohol	67-63-0	200-661-7	isopropyl alcohol	F; Xi	R:11-36-67	>2<5
Formaldehyde	50-00-0	200-001-8	formaldehyde	T	R: 23 /24 /25-34-40-43	>0<1

## 4. FIRST AID MEASURES

### General:

The injured person is removed from the endangered environment. The contaminated, soaked clothing should be removed immediately. Unconscious, injured or spastic condition Never give anything by mouth.

### Inhalation:

The affected person to fresh air and keep at rest in. Medical care in case of complaint to be considered.

### Skin contact:

Contaminated clothing should be removed. Rinse with water, then soap and water to the skin. In case of complaint, seek medical advice.

### Eye contact:

Eye contact, immediately rinse with plenty of water for at least 15 minutes while pulling the eyelids apart with your fingers. In case of complaint, seek medical advice.

### Ingestion:

One or two glasses of water to drink. Do NOT induce vomiting! Medical care must be used!

## 5. FIREFIGHTING MEASURES

**5.1. Extinguishing media:** use carbon dioxide, dry chemical and foam. To avoid: water without additives.

**5.2. Special hazards arising from the substance or mixture:** flammable. When exposed to heat and flame, material is a fire explosion hazard. Use water spray to keep fire-exposed containers cool.

**5.3. Advice for fire fighters:** full protective equipment, including self contained breathing apparatus is recommended.

## 6. ACCIDENTAL RELEASE MEASURES

**6.1. Personal precautions:** As the product contains organic solvents and other highly inflammable substances, remove all possible sources of ignition and thoroughly ventilate premises. Unauthorized persons must be removed from the site. The skin, eyes and clothing, the drug inhalation, and ingestion should be avoided. See protective measures 7 and 8 points as well.

**6.2. Environmental precautions:** Spillage should be ensured that the product is not exposed to sewage, rivers, watercourses, groundwater and soil. Larger spill, the responsible authorities must be informed.

**6.3. Methods and material for containment and cleaning up:** Sweep up to avoid slipping hazard. Keep airborne particulates at a minimum when cleaning up spills.

## 7. HANDLING AND STORAGE

**7.1. Handling:** Observe precautions found on the label. Wash face and hands thoroughly with soap and water after handling and before eating, drinking or smoking. Avoid prolonged or repeated contact with skin. Avoid contamination. Use only with adequate ventilation.

**7.2. Storage:** Store in cool, dry place away from heat, sparks, flame and direct sunlight. Close container after each use. Use explosion-proof equipment, store away from combustibles and incompatible materials.

**7.3. Specific end use(s):** Avoid sources of ignition, or the extremely high temperatures. 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.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limit values:	TLV	PEL
Ethyl Acetate	400 ppm	-
Butyl Acetate	150 ppm	-
Isopropyl Alcohol	5mg/m <sup>3</sup>	-

**Engineering controls:** Good general ventilation should be sufficient to control airborne levels in small quantity use. Local exhaust is recommended for bulk repackaging or continuous large quantity use.

**Occupational exposure controls:**

The proper care is needed when working in preparation for clothing, eye, or. avoid skin contact. Normal conditions of use and use with adequate ventilation. During breaks and after work wash your hands.

**Personal protective equipment (PPE):**

**Respiratory protection:** usually not necessary. However, inhalation of dusts and fumes should be avoided.

**Hand protection:** appropriate chemically resistant gloves (EN 374) is prolonged, direct contact, which corresponds to > 480 minutes of penetration of, for example. nitrile rubber (0.4 mm), CR (0.5 mm). Wash when contaminated. If the punctured gloves inside, stained, respectively. the dirt can be removed, the glove should be treated as hazardous waste.

**Eye protection:** safety glasses with side shields (EN 166).

**Skin Protection:** wear appropriate protective clothing (EN 463).

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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

Appearance:	viscous liquid		
Odour:	solvent		
pH:	no data available		
Boiling point:	> 77 °C		
Flash point:	< 21 °C		
Explosive properties	Explosive Limits % Vol:	lower	upper
	Ethyl Acetate	2,1	11,5
	Butyl Acetate	1,2	7,5
	Isopropyl Alcohol	2,0	12,7
Oxidising properties:	no data available		
Vapour pressure:	no data available		
Relative density:	0,95 - 1,05		
Water solubility:	insoluble		
Partition coefficient: n-octanol/water:	no data available		
Viscosity:	no data available		
Vapour density:	no data available		
Evaporation rate:	no data available		

### 9.2. Other information: -

## 10. STABILITY AND REACTIVITY

**10.1. Reactivity:** stable during normal use.

**10.2. Chemical stability:** stable during normal use.

**10.3. Conditions to avoid:** heat, flame, ignition sources.

**10.4. Incompatible materials:** alkali metals, strong acids/alkalis, fluorine, hydrides, strong oxidizing agents, water with air and light.

**10.5. Hazardous decomposition products:** thermal decomposition may liberate carbon and nitrogen oxides.

## 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects:

Acute oral toxicity:	No information available
Acute dermal toxicity:	No information available
Acute inhalation toxicity:	No information available
Skin irritation:	No information available
Eye irritation:	No information available

Sub-chronic toxicity:	No information available
Sensitization:	No information available
Mutagenicity:	No information available
Reproductive toxicity:	No information available
Carcinogenicity:	No information available

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.

Splashes to the eyes can cause irritation and irreversible damage (possibility of lesions of at least 24 hours' duration).

## 12. ECOLOGICAL INFORMATION

### 12.1. Toxicity:

Acute toxicity to fish:	no data available
Acute toxicity to invertebrates:	no data available
Acute toxicity to algae:	no data available

**12.2. Persistence and degradability:** no data available.

**12.3. Bioaccumulative potential:** no data available.

**12.4. Mobility in soil:** no data available.

**12.5. Results of PBT and vPvB assessment:** no data available.

**12.6 Other adverse effects:** no data available.

To the best of our knowledge, the ecotoxicological and chemical fate properties have not been thoroughly investigated. Do not allow to enter drinking water supplies, wastewater, or soil.

## 13. DISPOSAL CONSIDERATIONS

May be disposed of in a landfill or incinerated. Please refer to any relevant Community provisions relating to waste. In their absence, it is useful to remind the user that national or regional provisions may be in force.

## 14. TRANSPORT INFORMATION

UN number:	1993
UN proper shipping name:	flammable liquid
Transport hazard class:	3
Packing group:	II.
Environmental hazards:	-

## 15. REGULATORY INFORMATION

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

- 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),
- Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (Text with EEA relevance),
- Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

**15.2. Chemical safety assessment:** -

## 16. Other information

### List of relevant R phrases:

R 10	Flammable
R 11	Highly flammable
R 36	Irritating to eyes
R 43	May cause sensitisation by skin contact
R 66	Repeated exposure may cause skin dryness or cracking
R 67	Vapours may cause drowsiness and dizziness
R 23 /24 /25	Toxic by inhalation, in contact with skin and if swallowed
R 34	Causes burns
R 40	Limited evidence of a carcinogenic effect

### The manufacturer's recommended restrictions on use:

**The product is for professional use. The proper use of a product, please read the detailed preparation guide.**

This form of the manufacturer's 2006. 05. 18. provided on the original safety data sheets using the current 1907/2006 prepared in accordance with regulations.

The safety data sheet for the product usage instructions are not substitutes for certification (quality certification), can not be used to verify compliance.