

MATERIAL SAFETY DATA SHEET  
ASTONISHING AIR DRY BONDER

**SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**Product name:** Astonishing Air dry bonder  
**Items:** Air dry bonder  
**Use of substance / mixture:** PC39: Cosmetics, personal care products.

Details of the supplier of the safety data sheet:

**Company name:** International Beauty Partners BV  
De Run 4221  
5503 LM Veldhoven  
Netherlands  
Tel : +31 (0) 40 -2307559  
Email : [info@wwbdgrop.com](mailto:info@wwbdgrop.com)

National Poison Centre Netherlands tel: +31 (0)30 - 2748888  
'Only for the purpose of informing medical personnel in cases of acute intoxications'.

**SECTION 2. HAZARDS IDENTIFICATION.**

**2.1. Classification of the substance / mixture**

**Classification in accordance with Regulation (EC) No 1272/2008[UE-GHS/CLP]**

Flam. Liq. 2, H225  
Eye Irrit. 2, H319  
Skin Sens. 1, H317  
STOT SE 3, H336 (Narcotic effects)  
Aquatic Chronic 3, H412

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended

Ingredients of unknown toxicity; Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 9.5%  
Ingredients of unknown ecotoxicity; Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 9.5%

See Section 16 for the full text of the R phrases or H statements declared above. See Section 11 for more detailed information on health effects and symptoms.

**2.2 Label elements**

**Labelling in accordance with Regulation (EC) No 1272/2008[CLP]**

Hazard Pictograms



Signal word

Danger

**Precautionary statements:**

General; Not applicable

Prevention; Wear protective gloves. Wear eye or face protection. Keep away from heat, sparks, open flames and hot surfaces. - No smoking. Use explosion-proof electrical, ventilating, lighting and all material-handling equipment. Avoid release to the environment

Response; IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower

Storage; Keep cool.

Disposal; Dispose of contents and container in accordance with all local, regional, national and international regulations

### 2.3 Other hazards

**Other hazards:** None known

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Mixtures

Product/ingredient	INCI Name	Identifiers	%	Classification	Type
				Regulation (EC) No. 1272/2008 [CLP]	
ethyl acetate	ETHYL ACETATE	EC: 205-500-4 CAS: 141-78-6 Index: 607-022-00-5	75 - 100	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 (Narcotic effects) Skin Irrit. 2, H315	[1]
2-hydroxyethyl methacrylate		EC: 212-782-2 CAS: 868-77-9 Index: 607-124-00-X	5 - 10	Eye Irrit. 2, H319 Skin Sens. 1, H317	[1]

There are no additional ingredients present which, within the current knowledge of the supplier, are classified and contribute to the classification of the substance and hence require reporting in this section.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs or vPvBs or have been assigned a workplace exposure limit and hence require reporting in this section.

Type

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII

[4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

[5] Substance of equivalent concern

Occupational exposure limits, if available, are listed in Section 8

## 4. First aid measures

### 4.1. Description of first aid measures

**Skin contact:**. Wash skin thoroughly with soap and water or use recognised skin cleanser. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse

**Eye contact:**. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention

**Ingestion:**. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband

**Inhalation:**. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

**Protection of first-aiders;** No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

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

**Skin contact:**. Defatting to the skin. May cause skin dryness and irritation. May cause sensitisation by skin contact.

**Eye contact:** Irritating to eyes.

**Ingestion:** No known significant effects or critical hazards

**Inhalation:** Vapours may cause drowsiness and dizziness.

**Delayed / immediate effects:**

#### **Over-exposure signs/symptoms**

**Skin contact:**. Adverse symptoms may include the following: irritation redness dryness cracking

**Eye contact:** . Adverse symptoms may include the following: irritation watering redness,

**Ingestion:** No specific data

**Inhalation:** Adverse symptoms may include the following: nausea or vomiting headache drowsiness/fatigue dizziness/vertigo

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

**Notes to physician;** Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

**Immediate / special treatment:** No specific treatment.

## 5. Fire fighting measures

### 5.1 Fire extinguishing means:

**Suitable extinguishing media** for the surrounding fire should be used - Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam

**Unsuitable extinguishing media**; Do not use water jet

### 5.2 Particular hazards related to the substance or mixture:

**Hazards from the substance or mixture**; Highly flammable liquid. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard.

**Hazardous thermal decomposition products**; Decomposition products may include the following materials: carbon dioxide carbon monoxide

### 5.3 Information for firemen:

Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes

## 6. Accidental release measure

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

**For non-emergency personnel**: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

**For emergency responders**; If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also Section 8 for additional information on hygiene measures

### 6.2 Environmental precautions

**Environmental precautions**: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

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

**Small spill**: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

**Large spill**; Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product

### 6.4. Reference to other sections

See Section 1 for emergency contact information.

See Section 8 for information on appropriate personal protective equipment.  
See Section 13 for additional waste treatment information

## 7. Substance/mixture handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 7.1 Precautions for safe handling

**Protective measures** ; Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapour or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use non-sparking tools. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by earthing and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.

**Advice on general occupational hygiene**; Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

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

Store between the following temperatures: 13 to 27°C (55.4 to 80.6°F). Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

#### **Seveso II Directive - Reporting thresholds (in tonnes) Danger criteria**

Category	Notification and MAPP threshold	Safety report threshold
P5c: Flammable liquids 2 and 3 not falling under P5a or P5b	5000	50000
C7b: Highly flammable (R11)	5000	50000

## 8. Exposure control and personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker or exposure or environmental releases.

### 8.1. Control parameters

**Recommended monitoring procedures**; If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to

monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

## 8.2. Exposure controls

**Engineering measures:** Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

**Respiratory protection:** Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**Hand protection:** Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

**Eye protection:** Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles..

**Skin protection:** Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Environmental exposure controls;** Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## 9. Physical and chemical properties

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

State: Liquid

Colour: colourless

Odour: ester

Flash point°C: -3.3

Upper/lower flammability or explosive limits; Lower: 0.04%

Vapour density; 1 [Air = 1]

Solubility(ies); Insoluble in the following materials: cold water and hot water.

Auto-ignition temperature; 750 to 900°C

Viscosity; Dynamic (room temperature): 15 mPa·s

## 10. Stability and reactivity

### 10.1 Reactivity:

No specific test data related to reactivity available for this product or its ingredients.

### 10.2 Chemical stability

Stable under normal conditions

### 10.3 Possibility of hazardous reactions

Hazardous reactions or instability may occur under certain conditions of storage or use

### 10.4. Conditions to avoid

Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

### 10.5. Incompatible materials

Highly reactive or incompatible with the following materials: oxidizing materials

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced

## 11. Toxicological information

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
ethyl acetate	LD50 Oral	Rat	5620 mg/kg	-
2-hydroxyethyl methacrylate	LD50 Oral	Rat	5050 mg/kg	-

### Symptoms / routes of exposure

Skin contact: Defatting to the skin. May cause skin dryness and irritation. May cause sensitisation by skin contact.

Eye contact: Irritating to eyes.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: Vapours may cause drowsiness and dizziness.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

### Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact;** Adverse symptoms may include the following: irritation watering redness.

**Inhalation;** Adverse symptoms may include the following: nausea or vomiting headache drowsiness/fatigue dizziness/vertigo.

**Skin contact;** Adverse symptoms may include the following: irritation redness dryness cracking.

## 12. Ecological information

### 12.1. Toxicity.

#### Ecotoxicity values:

Product/ingredient name	Result	Species	Exposure
ethyl acetate	Acute EC50 2500000 µg/l Fresh water Acute LC50 750000 µg/l Fresh water Acute LC50 154000 µg/l Fresh water Acute LC50 212500 µg/l Fresh water Chronic NOEC 2400 µg/l Fresh water Chronic NOEC 75.6 mg/l Fresh water	Algae - Selenastrum sp.	96 hours
		Crustaceans - Gammarus pulex	48 hours
		Daphnia - Daphnia cucullata	48 hours
		Fish - Heteropneustes fossilis	96 hours
		Daphnia - Daphnia magna	21 days
		Fish - Pimephales promelas - Embryo	32 days
2-hydroxyethyl methacrylate	Acute LC50 227000 µg/l Fresh water	Fish - Pimephales promelas - Juvenile (Fledgling, Hatchling, Weanling)	96 hours

### 12.2. Persistence and degradability

Biodegradable.

### 12.3. Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
ethyl acetate	0.68	30	low low
2-hydroxyethyl methacrylate	0.42	-	

### 12.4. Mobility in soil

Not available..

### 12.5. Results of PBT and vPvB assessment

Not available.

### 12.6. Other adverse effects

Not available.



### 13. Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).





#### 13.1. Waste treatment methods

**Disposal operations:** The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non- recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction **NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal

**Hazardous waste;** The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

**Special precautions;** This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

### 14. Transport information

	ADR/RID	ADN	IMDG	IATA
14.1 UN number	1993	1993	1993	1993
14.2 UN proper shipping name	FLAMMABLE LIQUIDS, N.O.S. (ethyl acetate)	FLAMMABLE LIQUIDS, N.O.S. (ethyl acetate)	FLAMMABLE LIQUIDS, N.O.S. (ethyl acetate)	FLAMMABLE LIQUIDS, N.O.S. (ethyl acetate)
14.3 Transport hazard class(es)	3 	3 	3 	3 
14.4 Packing group	II	II	II	II
14.5 Environmental hazards	No.	Yes.	No.	No.
Additional information	<u>Special provisions</u> 640 (C)  <u>Tunnel code</u> (D/E)	-	<u>Emergency schedules (EmS)</u> 307	<u>Special provisions</u> A3

**14.6 Special precautions for user;** Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage

## 15 Information on legal regulations

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

Specific regulations: Not applicable.

### 15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier

## SECTION 16. OTHER INFORMATION

Other information:

This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

This safety data sheet is prepared in accordance with Commission Regulation (EC) No 1272/2008.

Classification	Justification
Flam. Liq. 2, H225	On basis of test data
Eye Irrit. 2, H319	Calculation method
Skin Sens. 1, H317	Calculation method
STOT SE 3, H336 (Narcotic effects)	Calculation method
Aquatic Chronic 3, H412	Calculation method

Full text of abbreviated H statements

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction. H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long lasting effects

Full text of classifications [CLP/GHS]

Aquatic Chronic 3, H412 LONG-TERM AQUATIC HAZARD - Category 3

Eye Irrit. 2, H319 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2

Flam. Liq. 2, H225 FLAMMABLE LIQUIDS - Category 2

Skin Irrit. 2, H315 SKIN CORROSION/IRRITATION - Category 2

Skin Sens. 1, H317 SKIN SENSITIZATION - Category 1

STOT SE 3, H336 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) [Narcotic effects] - Category 3

This information has been prepared on the basis of current knowledge and experience. However, this information does not guarantee product properties or quality specification and cannot be the basis for complaint. The product should be transported, stored and used in accordance with current regulations as well as good practices and occupational health rules. The manufacturer is not responsible for any losses arising directly or indirectly from the use of the above interpretation of rules or instructions. The information cannot be used for mixtures of the product with other substances. Using the information provided as well as using the product are not controlled by the manufacturer, and therefore it is an obligation of the user to create appropriate conditions for the safe handling of the product.

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