

# Material Safety Data Sheet

## Aqualution Waterborne Basecoat

Version: 1.0

Generated: December 28, 2007



### 1. Product and company identification

#### 1.1 Product identification

##### **Aqualution Waterborne Basecoat**

1.2 Application: one component base with low VOC content for car bodies

#### 1.3 Company identification

Matrix System Automotive Finishes, LLC

850 Ladd Road, Building E

Walled Lake, Michigan 48390

Information Telephone no.: (800) 735-0303

1.4 Emergency phone no.(CHEMTREC): (800) 424-9300

### 2. Composition and information on ingredients

Hazardous components considered harmful to health according to European Union recommendations no. 67/548/EEC

Index Number	Component Name	WE Number	CAS Number	Substance Classification	Substance Marking	Content Range
603-047-00-0	N, N-Dimethyl ethanolamine	203-542-8	108-01-0	R10 Xn; R 20/21/22 C; R34	C R: 10- 20/21/22-34 S: (1/2-)25- 26-36/37/39- 45	0 – 0.1%
603-014-00-0	2-butoxyethanol	203-905-0	111-76-2	Xn; R20/21/22 Xi; R36/38	Xn R: 20/21/22- 36/38 S: 36/37-46	1 – 5%
603-117-00-0	Propan-2-ol	200-661-7	67-63-0	F; R11 Xi; R36 R67	F; Xi R: 11-36-67 S:(2-)7-16- 24/25-26	1 – 5%

### 3. Hazard identification

The preparation is not classified as dangerous.

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### 4. First-aid measures

#### 4.1 General

In case of poisoning or if in doubt, seek medical advice. If possible, show the label.

#### 4.2. Poisoning by inhalation:

Ensure that the affected person has fresh air, warmth and quiet, seek medical advice.

#### 4.3. Contact with the eyes:

Do not close the eye, rinse with plenty of water (protect the unaffected eye, remove contact lenses), consult an ophthalmologist.

#### 4.4 Contact with skin:

Remove the dirty clothes, wash the affected skin thoroughly with plenty of water and soap.

#### 4.5. Poisoning by ingestion:

Rinse the mouth with water, drink plenty of water, do not induce vomiting, seek medical assistance.

### 5. Fire-fighting measures

5.1 Suitable extinguishing media: dust, alcohol-proof foam, carbon dioxide, water spray.

5.2 Unsuitable extinguishing media: water jet.

#### 5.3 Special hazards:

During a fire a dense black smoke is produced. Inhaling the combustion products is hazardous and may cause damage to health. Protective equipment for the respiratory system must be worn. Closed containers near the fire should be cooled with water. Retrieved fire fighting water should not be allowed to run into the drains or to open water reservoirs. The collected water should be stored away from sources of ignition, in leak-proof containers.

### 6. Measures in case of accidental release

#### 6.1 Personal protection measures:

Reduce access to sources of ignition, air or ventilate the room. Avoid direct contact with the released substance (vapors). Avoid contact with skin and eyes. Note the general safety measures (7 and 8).

#### 6.2 Environment protection measures:

Prevent release into the sewage system, surface and underground waters, or the soil. In case of such release, inform the local authorities.

#### 6.3 Cleaning methods

Absorb the spilled product with non-flammable materials: sand, soil, silica, special granulate. Reduce the spill area. Collect the waste, store in accordance with the regulations (13).

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### 7. Handling and storage

#### 7.1 Handling

Containers should be tightly closed and protected from heat and sources of ignition. Do not smoke, eat or drink while working with the substance. Do not inhale the vapors. Avoid contact with skin and eyes. Take precautionary measures against static discharges – the substance may become electrostatically charged. Do not empty the containers under pressure. Use only original containers.

#### 7.2 Storage

Observe the recommendations on the label. Store in tightly closed containers. Store at 5 – 35°C in a dry, well ventilated place. Protect from local heating (heat sources, sun rays, etc.) and freeze (temp. below 0 °C). Keep away from sources of ignition (open flames, heating equipment, power equipment, etc.). Avoid contact with strong acids, bases and oxidizing agents.

### 8. Exposure controls/Personal Protection

Occupational exposure limit – OEL according to ACGIH

CAS No.	Component name	TWA [mg/m3]	STEL [mg/m3]
111-76-2	2-butoxyethanol	98	200
67-63-0	Propan-2-ol	900	1200

TLV-TWA – Threshold Limit Value – Time Weighted Average

TLV-STEL – Threshold Limit Value – Short Term Exposure Limit

#### 8.1 Respiratory protection:

Provide sufficient ventilation to keep contaminants below applicable OSHA requirements. If occupational exposure limit is exceeded, wear a properly fitted respirator approved by NIOSH/MSHA (TC-23c) for use with paints during application and until all vapors are exhausted. In confined areas or where continuous spray operations are typical or proper respirator fit is not possible, wear a positive-pressure supplied air respirator (TC-19c). In All cases follow the respirator manufacturer's directions for respirator use. Do not allow anyone without protection into the paint application area.

#### 8.2 Hand protection:

In cases of prolonged or repeated contact with the hand skin, use protective cream isolating the skin from the substance or special protective gloves for diluents.

#### 8.3 Eye protection:

Where there is a danger of contact with the eyes, wear protective goggles.

#### 8.4 Skin protection:

Wear protective clothing made of natural or antistatic permeable synthetic fibre.

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### 9. Physical and chemical properties

Form : liquid

Color : colorful

Odor : characteristic

Flash point: >80° C

Density : 0.97 - 1.21 g/cm<sup>3</sup>

Viscosity at 20°C : 50 seconds (Ford cup 4 mm)

Explosive concentration : 1.1% v/v. - lower limit; 12.0% v/v. - upper limit

Solubility in water : soluble

### 10. Stability and reactivity

#### 10.1 Stability

The product is stable if the rules laid down in item 7 are observed.

#### 10.2 Conditions to avoid:

High temperature, strong acids, bases and oxidizing agents.

#### 10.3 Hazardous decomposition products:

Thermal decomposition products: carbon monoxide, oxides of nitrogen.

### 11. Toxicological information

#### 11.1 Toxicity

No toxicological examination of the product has been conducted. The product is not classified as dangerous to health.

#### 11.2 Irritation

Inhalation – inhaling the vapours may result in irritation of the respiratory system, stomach, damage to the kidneys, liver and central nervous system.

Skin – Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Eyes – irritation of the mucosa and irreversible changes in the eye.

2-butoxyethanol and its acetate are readily absorbed through the skin and will cause harmful effect on the blood.

#### 11.3 Symptoms of poisoning:

Headaches, tiredness, muscle failure, partial or total loss of consciousness.

#### 11.4 Doses and concentrations toxic to experimental animals (main product components)

Propan -2 -ol : LD<sub>50</sub> (orally, rat) > 2000 mg/kg

LD<sub>50</sub> (skin, rabbit) > 2000 mg/kg

LC<sub>50</sub> (inhalation, rat) > 5 mg/l

### 12. Ecological information

No eco-toxicological examination of the product has been conducted.

The product is not classified as dangerous for the environment.

Do not allow to enter the sewage system, soil or water reservoirs – inform the local authorities.

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### 13. Disposal procedures

The product is not regarded as hazardous waste. Dispose in accordance with federal, state and local regulations. Do not incinerate closed containers.

The packaging waste should be recycled or neutralized in accordance with the relevant regulations.

### 14. Transport information

The product is not classified as dangerous good.

### 15. Regulatory information

The products are classified and marked in accordance with the Regulation by the Minister of Health of 28 September 2005 on the criteria and classification of chemical substances and preparations (J. of Laws No. 201, item 1674), the Regulation by the Minister of Health of 02 September 2003 on the criteria and classification of chemical substances and preparations (J. of Laws No. 171, item 1666) with amendments J. of Laws No. 243 item 2440 of 2004 and the Regulation by the Minister of Health of 02 September 2003 on marking of the containers of hazardous substances and preparations (J. of Laws No. 173, item 1679) with amendments J. of Laws No. 260 item 2595 of 2004.

The product is not classified as dangerous good.

15.1 Marking of the containers

#### Hazard category

Warning sign

-

#### Risk Phrases - R

-

#### Safe Phrases (S)

S23 Do not breathe vapor/spray

S36/37/39 Wear suitable protective clothing, suitable gloves and eye/face protection

15.2 Basic regulations

1. Regulation by the Minister of Health of 03 July 2002 on the safety data sheet for a hazardous substance or preparation (J. of Laws No. 140, item 1171) with amendments J. of Laws No. 140, item 1171 of 2004.

2. Regulation by the Minister of Health of 02 September 2003 on the criteria and classification of chemical substances and preparations (J. of Laws No. 171, item 1666) with amendments J. of Laws No. 243 item 2440 of 2004.

3. Regulation by the Minister of Health of 02 September 2003 on marking of the containers of hazardous substances and preparations (J. of Laws No. 173, item 1679) with amendments J. of Laws No. 260 item 2595 of 2004.

4. Regulation by the Minister of Health of 02 September 2003 on a list of hazardous substances together with their classification and marking (J. of Laws No. 199, item 1948 and Appendix to No. 199, item 1948 of 02 September 2003)

5. Regulation by the Minister of Environment Protection of 27 September 2001 on a catalogue of waste (J. of Laws No. 112 item 1206)

6. The Act of 27 April 2001 on waste (J. of Laws No. 62 item 628, J. of Laws No. 100 item 1085 and of 2002 J. of Laws No. 41 item 365, J. of Laws No. 113 item 984, J. of Laws No. 199 item 1671 and of 2003 J. of Laws No. 7 item 78)

7. Regulation by the Minister of Labor and Social Policy of 29 November 2002 on the highest acceptable workplace concentrations of hazardous factors (J. of Laws No. 217 item 1833) with amendments J. of Laws No. 212 item 1769

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of 2005.

8. The Act of 11 January 2001 on chemical substances and preparations (J. of Laws No. 11 item 84, with amendments J. of Laws No. 100 item 1085, No. 123 item 1350, No. 125 item 1367 and of 2002 J. of Laws No. 135 item 1145, No. 142 item 1187, No. 189 item 1852 of 17 October 2003)

9. The European Treaty on the international road transport of hazardous products ADR

10. The Act of 28 October 2002 on the international road transport of hazardous products (J. of Laws No. 199 item 1671)

11. The Act of 11 May 2001 on packaging and packaging waste (J. of Laws No. 63 item 638, of 2003, J. of Laws No. 7 item 78, No. 11 item 97 of 18 December 2003)

### 16. Other information

Full text of risk warnings for components:

R10 Flammable

R11 Highly flammable

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed

R34 Causes burns

R36/38 Irritating to eyes and skin

R67 Vapours may cause drowsiness and dizziness

The data contained in this Safety Data Sheet are based on our available knowledge. However, it must be borne in mind that there are factors beyond our control: changes in the law, scientific progress, conditions of material use, etc. The product described herein must not be used in any other way than described here. The data contained in this Safety Data Sheet give the conditions of safe use and storage of the product; this document does not give any guarantee as to the properties of the product. The information contained in this Material Safety Data Sheet is information from our suppliers and other sources. It is believed to be reliable. This data is not to be taken as a warranty or representation for which this company assumes legal responsibility.