

Safety Data Sheet (SDS)

According to NO. 487/2013/EC

Printing Date: 28.07.2015

Version Number 3

Revision date: 28/07/2015

Section 1 –Identification: Product identifier and chemical identity

•1.1 Product identifier

•Trade name: Büst Artdeco Spray Adhesive

•Product code: Y-490-01

•1.2 Relevant identified uses of the substance or mixture and uses advised against application of the substance / the mixture Lacquer

General purpose spray adhesive with strong bonding effect and fast drying speed

•1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Aristo Technology Corp. Ltd.

12, XINGCUN RD., XIN FENG INDUSTRIAL AREA, XIN FENG CITY, JIANGXI, CHINA

Tele-Nr. (++86)- 755-22214189

Fax-Nr. (++86)- 755-22214186

•1.4 Emergency telephone number: +86-755-22214189

Section 2 –Hazard identification

•2.1 Classification of the substance or mixture

•Classification according to Regulation (EC) No 487/2013



GHS02 flame

H222-H229 Extremely flammable aerosol. Pressured container: May burst if heated.



GHS07

Acute Tox. 4 H312 Harmful in contact with skin.

Acute Tox. 4 H332 Harmful if inhaled.

Skin Irrit. 2 H315 Causes skin irritation.

•Wt(%) of flammable components and heat of combustion

It contains 71.5% flammable components. Heat of combustion is 21KJ/G.

•Information concerning particular hazards for human and environment:

The product has to be labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Warning! Pressurized container.

•Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

•2.2 Label elements

•Labeling according to Regulation (EC) No 487/2013

The product is classified and labeled according to the CLP regulation.

•Hazard pictograms



GHS02 GHS07

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•**Signal word** Danger

•**Hazard-determining components of labeling:**

No Data Available

•**Hazard statements**

H222-H229 Extremely flammable aerosol. Pressured container: May burst if heated.

H225 Highly flammable liquid and vapor

H312+H332 Harmful in contact with skin or if inhaled.

H315 Causes skin irritation.

•**Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P260 Do not breathe spray.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves.

P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P403 + P235 Store in a well-ventilated place. Keep cool.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

P501 Dispose of contents / container in accordance with regional regulations.

•**Additional information:**

Buildup of explosive mixtures possible without sufficient ventilation.

•**2.3 Other hazards**

•**Results of PBT and vPvB assessment**

•**PBT:** Not applicable.

•**vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

INGREDIENTS	Annex VI Index Number	CAS NO INDEX	ENIECS	Classification	WT(%)
Dimethoxymethane	N/A	109-87-5	203-714-2	Flam. Liq. 3: H225	20~25
Acrylic Modified Resin	N/A	N/A	N/A	Not Classified	13~15
Silicone Modified Resin	N/A	N/A	N/A	Not Classified	11~13
Dimethyl Carbonate	607-13-00-6	616-38-6	210-478-4	Flam. Liq. 2: H225	18~20
LPG	N/A	61641-74-5	N/A	Flam. Liq. 2: H225	30~35

• **Additional information:**

The content of Benzene (EINECS-Nr. 200-753-7) in the ingredients is less than 0,1% (Note P Annex 1 67/548 EU), so the classification as carcinogen need not to apply.

For the wording of the listed risk phrases refer to section 16.

Section 4 – First aid measures

•**4.1 Description of first aid measures**

• **General information:**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48

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hours after the accident.

• **After inhalation:**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

• **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

• **After eye contact:** Rinse opened eye for several minutes under running water.

• **After swallowing:** Drink plenty of water and provide fresh air. Call for a doctor immediately.

• **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.

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

No further relevant information available.

Section 5 - Fire-fighting measures

• **5.1 Extinguishing media**

• **Suitable extinguishing agents:**

Water spray (large fires only), foam, dry chemical or carbon dioxide.

• **For safety reasons unsuitable extinguishing agents:** Water with full jet

• **5.2 Special hazards arising from the substance or mixture** No further relevant information available.

• **5.3 Advice for firefighters -**

• **Protective equipment:** Mouth respiratory protective device.

Section 6 - Accidental release measures

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

Wear protective equipment. Keep unprotected persons away.

• **6.2 Environmental precautions:**

Inform respective authorities in case of seepage into water course or sewage system.

• **6.3 Methods and material for containment and cleaning up:**

Do not flush with water or aqueous cleansing agents

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

• **6.4 Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

Section 7 - Handling and Storage

• **7.1 Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

• **Information about fire - and explosion protection:**

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

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· 7.2 Conditions for safe storage, including any incompatibilities

· Storage:

· Requirements to be met by storerooms and receptacles:

Store in a cool location.

Observe official regulations on storing packaging with pressurized containers.

· Information about storage in one common storage facility: Not required.

· Further information about storage conditions:

Do not seal receptacle gas tight.

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

· Storage class: 2B

· 7.3 Specific end use(s) No further relevant information available.

Section 8 - Exposure controls and personal protection

· 8.1 Control parameters

· Ingredients with limit values that require monitoring at the workplace:	
Dimethoxymethane (CAS#109-87-5)	TWA: 3100 mg/m ³ STEL: 3900 mg/m ³

· 8.2 Exposure controls

· Personal protective equipment:

· General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the skin.

Avoid contact with the eyes and skin.

· Respiratory protection:

Not necessary if room is well-ventilated.

Otherwise, filter class A / P2 or self contained.

· Protection of hands:

Protective gloves

Solvent resistant gloves

In case of contact with spray dust protective gloves made of butyl should be used (min. 0.4 mm thick), e.g.

KCL Camatril, article no. 898 or similar products

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Material of gloves Butyl rubber, BR

· Penetration time of glove material

Butyl rubber gloves with a thickness of 0.4 mm are resistant to: No information.

· Eye protection: Safety glasses

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Section 9 - Physical and chemical properties

Appearance:	Viscous liquid
Odour:	Solvent
Odour threshold:	Not determined
pH:	Not determined
Self-igniting	Product is not self-igniting.
Melting point/freezing point:	<-20°C
Boiling point:	>60°C
Flash point:	Not determined
Evaporation rate:	Not determined
Flammability (solid, gas):	Flammable
Upper/lower flammability or explosive limits:	Not determined
Vapor pressure:	Not determined
Vapor density:	Not determined
Relative density:	0.93~0.95g/cm ³
Vapor density	Not determined
Solubility:	Not water soluble. Re-dispersible in aromatic solvents or ketones.
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
Viscosity:	Not determined
Explosive properties:	Not determined
Oxidising properties:	Not determined
Partition coefficient (n-octanol/water)	Not determined

Section 10 - Stability and reactivity

- **10.1 Reactivity:** Stable under recommended storage and handling conditions.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions:** No dangerous reactions known.
- **10.4 Conditions to avoid:** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

Section 11 - Toxicological information

- **11.1 Information on toxicological effects**

- **Acute toxicity:**

• **LC₅₀/LD₅₀ values relevant for classification:**

INGREDIENTS		
Dimethyl Carbonate(CAS#616-38-6)	LD ₅₀ : 13000 mg/kg(Rat)	Oral
	LD ₅₀ : 6000 mg/kg(Mice)	Oral
Dimethoxymethane (CAS#109-87-5)	LD ₅₀ : 505708mg/kg(Rabbit)	Skin

- **Primary irritant effect:**

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- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version: Harmful, Irritant, Vapors have narcotic effect.

Section 12 - Ecological information

· 12.1 Toxicity

No further relevant information available.

· 12.2 Persistence and degradability

DIMETHOXYETHANE

for 1,2-dimethoxyethane (monoglyme):

Monoglyme is a volatile liquid with high water solubility. Monoglyme is likely to partition into water but it has little potential for bioaccumulation.

Environmental Fate:

Distribution: Monoglyme is expected to distribute primarily to water after release to the environment.

Photodegradation: Environmental degradation to carbon dioxide will likely occur by a combination of slow biodegradation, and reaction with atmospheric hydroxyl radicals after volatilisation with an estimated photolytic half-life in air of approximately 8 hours.

Water Stability: Monoglyme is hydrolytically stable in water under normal environmental conditions at pH 4 to 9 with an estimated hydrolytic half-life at 25C greater than one year.

Biodegradation: Monoglyme is poorly biodegradable in a waste water treatment facility and not considered readily biodegradable.

Ecotoxicity:

Fish, daphnia and green algae are estimated to be acutely affected by monoglyme only at concentrations far in excess of 1000 mg/l. Monoglyme is of low concern to aquatic environmental species.

Fish LC50 (96 h): 8984 mg/l (estimated)

Daphnia EC50 (48 h): 7344 mg/l (estimated)

Alage EC50 (96 h): 4042 mg/l (estimated).

For Ethelene Glycol Monoalkyl Ethers and their Acetates:

log BCF: 0.463 to 0.732;

LC50: 94 to > 5000 mg/L. (aquatic species).

Members of this category include ethylene glycol propyl ether (EGPE), ethylene glycol butyl ether (EGBE) and ethylene glycol hexyl ether (EGHE).

Environmental Fate: Aquatic Fate - The ethers possess no functional groups that are readily subject to hydrolysis in the presence of waters. The acetates possess an ester group that hydrolyses in neutral ambient water under abiotic conditions. Will partition predominately to water and, to a lesser extent, to air and soil. Soil - Highly mobile in soil.

· 12.3 Bioaccumulative potential

DIMETHOXYETHANE

Ecotoxicity: Ethelene glycol monoalkyl ethers and their acetates are readily biodegradable. The physical chemistry and environmental fate properties indicate that category members will not persist or bioconcentrate in the environment. Glycol ether acetates do not hydrolyze rapidly into their corresponding glycol ethers in water under environmental conditions. Glycol ether acetates are not acutely toxic to fish, specifically, zebra fish, rainbow trout and water fleas. Population changes were noted in freshwater and green algae species. DO NOT discharge into sewer or waterways.

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- **12.4 Mobility in soil** Very slow
- **Additional ecological information:**
- **General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

Section 13 - Disposal considerations



- **13.1 Waste treatment methods**
- **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

• European waste catalogue	
08 01 11*	waste paint and varnish containing organic solvents or other dangerous substances
15 01 04	metallic packaging
15 01 11*	metallic packaging containing a dangerous solid porous matrix (for example asbestos), including empty pressure containers

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

Section 14 - Transport information

• 14.1 UN-Number • ADR, IMDG, IATA	UN1950
• 14.2 UN proper shipping name • ADR • IMDG	UN1950 AEROSOLS AEROSOLS
• IATA	AEROSOLS, flammable
• 14.3 Transport hazard class(es) • ADR 	2.5F Gases.
• Class • Lable	2.1
 • IMDG, IATA	
• Class • Lable	2.1 2.1
• 14.4 Packing group	Void

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• ADR, IMDG, IATA	
• 14.5 Environmental hazards: • Marine pollutant:	No
• 14.6 Special precautions for user • Danger code (Kemler): - • EMS Number:	Warning: Gases. - F-D,S-U
• 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
• Transport/Additional information: • ADR • Limited quantities (LQ) • Excepted quantities (EQ) • Transport category • Tunnel restriction code • IMDG • Limited quantities (LQ) • Excepted quantities (EQ)	1L Code: E0 Not permitted as Excepted Quantity 2 D 1L Code: E0 Not permitted as Excepted Quantity
• UN "Model Regulation":	UN1950, AEROSOLS, 2.1

Section 15 - Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture .
- Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.
- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

Section 16 - Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

• Relevant phrases

H222-H229 Extremely flammable aerosol. Pressured container: May burst if heated.

H225 Highly flammable liquid and vapour

H312+H332 Harmful in contact with skin or if inhaled.

H315 Causes skin irritation.

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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• **Contact:** Dipl.-Chem. G. Heller oder Dipl.-Ing. U. Voetter

• **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the

International Transport of Dangerous Goods by Rail)

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International

Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Flam. Gas 1: Flammable gases, Hazard Category 1

Flam. Aerosol 1: Flammable aerosols, Hazard Category 1

Flam. Liq. 2: Flammable liquids, Hazard Category 2

Flam. Liq. 3: Flammable liquids, Hazard Category 3

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

STOT RE 3: Specific target organ toxicity - Repeated exposure, Hazard Category 3