



Material Safety Data Sheet

Trade name: ClearJet A-2000 Gloss Aerosol

Status: 25/04/2016

Product no.: 360363001

Version : 3 / USA

Date of printing : 25/04/2016

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

ClearJet A-2000 Gloss Aerosol

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/preparation

Spray varnish

1.3. Details of the supplier of the safety data sheet

Address/Manufacturer

Marabu North America
2460 A Remount Rd.
North Charleston, SC 29406
Telephone no. (843) 886-0094
Fax no. (843) 886-3701
Information provided Department product safety
by / telephone
E-mail address of PRSI@marabu.de
person responsible
for this SDS

1.4. Emergency telephone number

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (Occupational Safety and Health Administration (OSHA), DOL, 29 CFR 1910.1200 (Hazard Communication))

Classification (Occupational Safety and Health Administration (OSHA), DOL, 29 CFR 1910.1200 (Hazard Communication))

Aerosol 1	H222
	H229
Eye Irrit. 2	H319
Skin Sens. 1A	H317
STOT SE 3	H336

2.2. Label elements

Labelling according to Occupational Safety and Health Administration (OSHA), DOL, 29 CFR 1910.1200 (Hazard Communication)

Hazard pictograms



Signal word

Danger

Hazard statements

H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H222	Extremely flammable aerosol.



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H229 Pressurised container: May burst if heated.
H317 May cause an allergic skin reaction.

Precautionary statements

Prevention

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.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264.1 Wash hands thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response

P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a POISON CENTER or doctor if you feel unwell.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P337 If eye irritation persists:
P362+P364 Take off contaminated clothing and wash it before reuse.

Storage/Disposal

P405 Store locked up.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.
P501.1 Dispose of contents/container to industrial incineration plant.

2.3. Other hazards

No special hazards have to be mentioned.

SECTION 3: Composition/information on ingredients

Hazardous ingredients

Acetone

CAS No. 67-64-1
EINECS no. 200-662-2
Registration no. 01-2119471330-49
Concentration >= 25 < 50 %

1-Methoxy-2-propanol

CAS No. 107-98-2
EINECS no. 203-539-1
Registration no. 01-2119457435-35
Concentration >= 20 < 25 %

Butanone

CAS No. 78-93-3
EINECS no. 201-159-0
Registration no. 01-2119457290-43
Concentration >= 1 < 10 %

Orange, sweet, ext.

CAS No. 8028-48-6
EINECS no. 232-433-8



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Registration no. 01-2119493353-35-0008
Concentration >= 0,1 < 1 %

Mixture of alpha-3-(3-(2h-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-omega-hydroxypoly(oxyethylene) and alpha-3-(3-(2h-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-omega-3-(3-(2h-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene)

EINECS no. 400-830-7
Concentration >= 0,1 < 1 %

Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate

Registration no. 01-2119491304-40
Concentration >= 0,1 < 0,25 %

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious place in recovery position and seek medical advice.

After inhalation

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration.

After skin contact

Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.

After eye contact

Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.

After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Recommended: alcohol resistant foam, CO₂, powders, water spray/mist, Not be used for safety reasons: water jet

5.2. Special hazards arising from the substance or mixture

In the event of fire the following can be released: Carbon monoxide (CO); Carbon dioxide (CO₂); dense black smoke

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Cool closed containers exposed to fire with water. Do not allow run-off from fire fighting to enter drains or water courses.



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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Keep away sources of ignition. Ensure adequate ventilation. Do not breathe gas/fumes/vapour/spray. Refer to protective measures listed in Sections 7 and 8.

6.2. Environmental precautions

Do not allow to enter drains or waterways. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Clean preferably with a detergent - avoid use of solvents.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. Provide good ventilation of working area (local exhaust ventilation if necessary). Handle and open container with care. Isolate from sources of heat, sparks and open flame. Avoid skin and eye contact. Smoking, eating and drinking shall be prohibited in application area. Comply with the health and safety at work laws.

Classification of fires / temperature class / Ignition group / Dust explosion class

Temperature class T3

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Store in accordance with national regulation

Further information on storage conditions

Keep away from sources of ignition. Keep container tightly closed, cool and dry. Observe label precautions.

7.3. Specific end use(s)

Spray varnish

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values

Acetone

List	ACGIH		
Type	TLV		
Value		500	ppm(V)
Short term exposure limit		750	ppm(V)
Status: 2014; Remarks: BEI; URT & eye irr; CNS impair; hematolo			

1-Methoxy-2-propanol

List	ACGIH		
Type	TLV		
Value		50	ppm(V)
Short term exposure limit		100	ppm(V)
Status: 2014; Remarks: Eye & URT irr			

Propane

List	ACGIH		
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Type TLV
Status: 2014; Remarks: Asphyxia

Butanone

List ACGIH
Type TLV

Value 200 ppm(V)
Short term exposure limit 300 ppm(V)

Status: 2014; Remarks: BEI; URT irr; CNS & PNS impair

8.2. Exposure controls

Exposure controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

Respiratory protection

If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respirators. Full mask, filter A

Hand protection

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals.

For prolonged or repeated handling nitrile rubber gloves with textile undergloves are required.

Material thickness > 0,5 mm

Breakthrough time < 30 min

The breakthrough time must be greater than the end use time of the product.

The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.

Gloves should be replaced regularly and if there is any sign of damage to the glove material.

Always ensure that gloves are free from defects and that they are stored and used correctly.

The performance or effectiveness of the glove may be reduced by physical/ chemical damage and poor maintenance.

Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred.

Eye protection

Safety glasses

Body protection

Personnel should wear anti-static clothing made of natural fibre or of high temperature resistant synthetic fibre.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form Aerosol

Colour colourless

Odour solvent-like

Odour threshold

Remarks No data available

pH value

Remarks not determined

Melting point

Remarks not determined

Freezing point

Remarks not determined

Initial boiling point and boiling range



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10.6. Hazardous decomposition products

See chapter 5.2 (Firefighting measures - Special hazards arising from the substance or mixture).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity (Components)

Acetone

Species	rat		
LD50		5800	mg/kg

1-Methoxy-2-propanol

Species	rat		
LD50		5200	mg/kg

Acute dermal toxicity (Components)

Acetone

Species	rabbit		
LD50		20000	mg/kg

1-Methoxy-2-propanol

Species	rabbit		
LD50		14000	mg/kg

Aspiration hazard

No special hazards have to be mentioned.

Experience in practice

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. May cause an allergic skin reaction. The liquid splashed in the eyes may cause irritation and reversible damage. Ingestion may cause nausea, diarrhoea and vomiting. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Other information

There are no data available on the mixture itself.

The mixture has been assessed following the conventional method of the GHS Regulation and classified for toxicological hazards accordingly.

SECTION 12: Ecological information

12.1. Toxicity

General information

There are no data available on the mixture itself. Do not allow to enter drains or water courses. The mixture has been assessed following the conventional method of the GHS Regulation and is not classified as dangerous for the environment, but contains substance(s) dangerous for the environment. See section 3 for details.

Fish toxicity (Components)

1-Methoxy-2-propanol

Species	golden orfe (Leuciscus idus)		
LC0	>	4600	mg/l
Duration of exposure		96	h



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Daphnia toxicity (Components)

1-Methoxy-2-propanol

Species	Daphnia magna	
EC50	23300	mg/l
Duration of exposure	48	h

Algae toxicity (Components)

1-Methoxy-2-propanol

Species	Desmodesmus	
EC50	> 1000	mg/l
Duration of exposure	168	h

Bacteria toxicity (Components)

1-Methoxy-2-propanol

Species	activated sludge	
EC50	> 1000	mg/l

12.2. Persistence and degradability

General information

There are no data available on the mixture itself.

Biodegradability (Components)

1-Methoxy-2-propanol

Value	90	%
Duration of test evaluation	28	d
Method	Readily biodegradable (according to OECD criteria) OECD 301 F	

12.3. Bioaccumulative potential

Partition coefficient: n-octanol/water

Remarks Not applicable

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

Do not allow to enter drains or water courses.

Disposal recommendations for packaging

Non-contaminated packages may be recycled.
Not emptied containers are hazardous waste.

SECTION 14: Transport information

Land transport USDOT

14.1. DOT NA number

NA 1950

14.2. UN proper shipping name

AEROSOLS

14.3. Transport hazard class(es)

Class	2
Label	2.1
Limited Quantity	1 I
Transport category	3

14.5. Environmental hazards

-	
Tunnel restriction code	D



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Marine transport IMDG

14.1. UN number

UN 1950

14.2. UN proper shipping name

AEROSOLS

14.3. Transport hazard class(es)

Class 2.1

14.5. Environmental hazards

no

Air transport ICAO/IATA

14.1. UN number

UN 1950

14.2. UN proper shipping name

AEROSOLS

14.3. Transport hazard class(es)

Class 2.1

14.5. Environmental hazards

-

Information for all modes of transport

14.6. Special precautions for user

Transport within the 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.

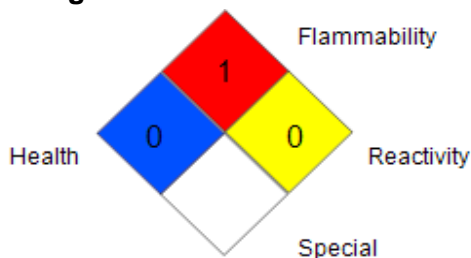
SECTION 15: Regulatory information

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

Other information

The product does not contain substances of very high concern (SVHC).

NFPA Rating Information



HMIS® Rating Information

Health	0
Flammability	1
Physical Hazard	0
Personal Protection	E

SECTION 16: Other information

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.