

Maston ACRYL - Acrylic varnish

Date 22.11.2012

Previous date: 27.5.2010

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifier****1.1.1 Commercial Product Name**

Maston ACRYL - Acrylic varnish

1.1.2 Product code

400332

1.2 Relevant identified uses of the substance or mixture and uses advised against**1.2.1 Recommended use**

Spraypaint.

1.3 Details of the supplier of the safety data sheet**1.3.1 Supplier**

Maston Oy

Street address

Teollisuustie 10

Postcode and post office

02880 VEIKKOLA

FINLAND

P.O.Box

Teollisuustie 10

Postcode and post office

02880 VEIKKOLA

FINLAND

Telephone

+358 20 7188 580

Telefax

+358 20 7188 599

Email

maston@maston.fi

1.4 Emergency telephone number**1.4.1 Telephone number, name and address**

Myrkytystietokeskus (Giftinformationcentralen) PL 340, 00029 HUS, Finland +358 (0)9 471977

SECTION 2. HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture****1272/2008 (CLP)**

Flam. Aerosol 1, H222

Eye Irrit. 2, H319

STOT SE 3, H336

EUH066

67/548/EEC - 1999/45/EC

F+, Xi; R36-12-67-66

2.2 Label elements**1272/2008 (CLP)**

GHS07 - GHS02

Signal word

Danger**Hazard Statements**

H222

Extremely flammable aerosol.

H319

Causes serious eye irritation.

H336

May cause drowsiness or dizziness.

EUH066

Repeated exposure may cause skin dryness or cracking.

Precautionary Statements

P102

Keep out of reach of children.

P210

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P211

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

P251

Pressurized container: Do not pierce or burn, even after use.



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P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P271	Use only outdoors or in a well-ventilated area.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.

2.3 Other hazards

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components CAS/EC and Reg.number	EINECS	Chemical name of the substance	Concentration	Classification
67-64-1		Aceton	25-50%	F; R11; Xi; R36; R66; R67; Flam. Liq. 2; Eye Irrit. 2; STOT SE 3
123-86-4		n-Butylacetat	10-12.5%	R10; R66; R67 Flam. Liq. 3; STOT SE 3
74-98-6		Propan	12.5-25%	F+; R12 Flam. Gas 1; Press. Gas
106-97-8		Butan [1], isobutan [2]	25-50%	F+; R12 Flam. Gas 1; Press. Gas
78-92-2	201-158-5 [1]	butan-2-ol [1]	2.5-5%	R10; Xi; R36/37; R67; Flam. Liq. 3, H226; Eye Irrit. 2, H319; STOT SE 3, H335; STOT SE 3, H336
1330-20-7	202-422-2 [1]	Xylen	5-9%	R10; Xn; R20/21; Xi; R38 ; Flam. Liq. 3; Acute Tox. 4 ; Acute Tox. 4 ; Skin Irrit. 2

SECTION 4. FIRST AID MEASURES**4.1 Description of first aid measures**

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4.1.2 Inhalation

If inhaled, remove to fresh air.

4.1.3 Skin contact

In case of contact, immediately flush skin with soap and plenty of water.

4.1.4 Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

4.1.5 Ingestion

Obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

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4.3 Indication of immediate medical attention and special treatment needed

Obtain medical attention.

SECTION 5. FIREFIGHTING MEASURES

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5.1 Extinguishing media**5.1.1 Suitable extinguishing media**Carbon dioxide (CO₂) Dry chemical Foam**5.1.2 Extinguishing media which must not be used for safety reasons**

Water spray

5.2 Special hazards arising from the substance or mixture

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5.3 Advice for firefighters

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5.4 Specific methods

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SECTION 6. ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation. Remove all sources of ignition.

6.2 Environmental precautions

Local authorities should be advised if significant spillages cannot be contained. Do not discharge into drains, water courses or soil.

6.3 Methods and materials for containment and cleaning up

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6.4 Reference to other sections

Ensure adequate ventilation.

SECTION 7. HANDLING AND STORAGE**7.1 Precautions for safe handling**

Provide sufficient air exchange and/or exhaust in work rooms. Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50 °C. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects.

7.2 Conditions for safe storage, including any incompatibilities

Keep tightly closed in a dry, cool and well-ventilated place.

7.3 Specific end use(s)

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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters**

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8.1.1 Threshold limits

N-butyyliasettaatti	150 ppm (8 h)	200 ppm (15 min)
	720 mg/m ³ (8 h)	960 mg/m ³ (15 min)
Butaani	800 ppm (8 h)	1000 ppm (15 min)
	1900 mg/m ³ (8 h)	2400 mg/m ³ (15 min)
Ksyleeni, isomeerien seos	50 ppm (8 h)	100 ppm (15 min)
	442 mg/m ³ (8 h)	221 mg/m ³ (15 min)
Aceton	500 ppm (8 h)	630 ppm (15 min)
	1200 mg/m ³ (8 h)	1500 mg/m ³ (15 min)

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8.1.2 Other information on limit values

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8.1.3 Limit values in other countries

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8.1.4 DNELs

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8.1.5 PNECs

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8.2 Exposure controls**8.2.1 Appropriate engineering controls**

Keep away from food, drink and animal feedingstuffs.

8.2.2 Individual protection measures**8.2.2.1 Respiratory protection**

No personal respiratory protective equipment normally required.

8.2.2.2 Hand protection

Wash hands before breaks and immediately after handling the product.

8.2.2.3 Eye/face protection

Tightly fitting safety goggles

8.2.2.4 Skin protection

Wear suitable gloves and eye/face protection.

8.2.3 Environmental exposure controls

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**9.1 Important Health Safety and Environmental Information****9.1.1 Appearance**

aerosol

9.1.2 Odour

characteristic

9.1.3 Odour threshold

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9.1.4 pH

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9.1.5 Melting point/freezing point

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9.1.6 Initial boiling point and boiling range

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9.1.7 Flash point

< 0°C

9.1.8 Evaporation rate

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9.1.9 Flammability (solid, gas)

315°C (599°F)

9.1.10 Explosive properties**9.1.10.1 Lower explosion limit**

1.2 vol%

9.1.10.2 Upper explosion limit

13.0 vol%

9.1.11 Vapour pressure

3500 hPa (2625 mm Hg)

9.1.12 Vapour density

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9.1.13 Relative density20°C : 0.703 g/cm³**9.1.14 Solubility(ies)****9.1.14.1 Water solubility**

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9.1.14.2 Fat solubility (solvent - oil to be specified)

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9.1.15 Partition coefficient: n-octanol/water

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9.1.16 Auto-ignition temperature

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9.1.17 Decomposition temperature -**9.1.18 Viscosity** -**9.1.19 Explosive properties** -**9.1.20 Oxidising properties** -**9.2 Other information**

VOC -EU 620.52 g/l, VOC 88.27%

SECTION 10. STABILITY AND REACTIVITY**10.1 Reactivity**

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10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

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10.4 Conditions to avoid

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10.5 Incompatible materials

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10.6 Hazardous decomposition products

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SECTION 11. TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects****11.1.1 Acute toxicity**

Asetoni: LD50/oral/rat =10770 mg/kg. LD50/dermal/rabbit = 17600 mg/kg.LC50/inhalation/2h/mouse = LC50/inhalation/4h/rat =21.7mg/l

11.1.2 Irritation and corrosion

Irritating to eyes.

11.1.3 Sensitisation

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11.1.4 Subacute, subchronic and prolonged toxicity

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11.1.5 STOT-single exposure

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11.1.6 STOT-repeated exposure

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11.1.7 Aspiration hazard

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11.1.8 Other information on acute toxicity

irritating

SECTION 12. ECOLOGICAL INFORMATION**12.1 Toxicity****12.1.1 Aquatic toxicity**

Asetoni: EC50/48h/daphnia = 39mg/l, LC50/48h/daphnia = 2262 mg/l, LC50/96h/guppy =5540 mg/l. N-butyyliaasettaatti: EC50/96h/green algae =320 mg/l, LC50/24h/daphnia =20 mg/l. Ksyleeni: LC50/96h/guppy =3,3 mg/l max. 780 mg/l mediaani 15,7 mg/l.

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12.1.2 Toxicity to other organisms

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12.2 Persistence and degradability**12.2.1 Biodegradation**

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12.2.2 Chemical degradation

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12.3 Bioaccumulative potential

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12.4 Mobility in soil

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12.5 Results of PBT and vPvB assessment

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12.6 Other adverse effects

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SECTION 13. DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

Do not dispose of waste into sewer. Do not put residues of product into household waste. It should be given in the original package to the official waste disposal authorities.

13.2 Waste from residues / unused products

Contact the proper local authorities.

SECTION 14. TRANSPORT INFORMATION

	Land transport ADR/RID	Sea transport IMDG/IMO
14.1 UN number	1950	1950
14.2 UN proper shipping name	1950 aerosols	Aerosols
14.3 Transport hazard class(es)	2, 5F	2.1
14.4 Packing group		-
14.5 Environmental hazards		-
Other information	Etiketti 2.1 LQ	F-D, S-U

14.6 Special precautions for users

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14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

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SECTION 15. REGULATORY INFORMATION

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

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15.2 Chemical safety assessment

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SECTION 16. OTHER INFORMATION**16.1 Additions, Deletions, Revisions**

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16.2 Key or legend to abbreviations and acronyms

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16.3 Key literature references and sources for data

1. Information provided by the manufacturer. 2. Lewis,R.J.Sr.,Sax`s Dangerous Properties of Industrial Materials, 8th Ed., 1992 3. Työministeriö:Turvallisuustiedote 25, HTP-arvot 2002. E.Nikunen et al, Enviromental properties of chemicals, 1991. STM asetukset 1202/2001&374/2002.

16.4 Classification procedure

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16.5 List of relevant R phrases, hazard statements, safety phrases and/or precautionary statements

R10	Flammable.
R11	Highly flammable.
R12	Extremely flammable.
R20/21	Harmful by inhalation and in contact with skin.
R36	Irritating to eyes.
R36/37	Irritating to eyes and respiratory system.
R38	Irritating to skin.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.
H222	Extremely flammable aerosol.
H226	Flammable liquid and vapour.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.

16.6 Training advice

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16.7 Recommended restrictions

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16.8 Additional information available from:

1. Information provided by the manufacturer. 2. Lewis,R.J.Sr.,Sax`s Dangerous Properties of Industrial Materials, 8th Ed., 1992 3. Työministeriö:Turvallisuustiedote 25, HTP-arvot 2002. E.Nikunen et al, Enviromental properties of chemicals, 1991. STM asetukset 1202/2001&374/2002.

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Signature MASTON OY