

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 18.02.2011

Version number 1

Revision: 20.01.2011

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

- **Product identifier**
- **Trade name** *Solvent YSR 1-1*
Part No. MF0402A-30
- **Article number:** 600062 MNI
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the preparation** *Lacquer solvent/ Varnish thinner*
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Hersteller / PRODUCER:
Rembrandtin Lack GmbH Nfg. KG *Tel.: +43.(0)1.27702.0*
A-1210 WIEN, Ignaz-Köck-Straße 15 *Fax: +43.(0)1.27702.40*
-
- Lieferant / SUPPLIER:*
MAGNEMAG A/S *Tel: +45 47 10 71 71*
DK-3660 Stenløse; Knud Bro Allé 8 *Fax: +45 47 10 71 11*
Denmark
- **Informing department:**
SDB-/MSDS, e-mail: *magnemag@magnemag.com*
- **Emergency telephone number:**
Giftinformationscentralen,
Rigshospitalet, *TLF. 35 45 35 45*

2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS02 flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



F+; Highly flammable

R11: Highly flammable.

- **Information concerning particular hazards for human and environment:**
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- **Classification system:**
The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

- **Label elements**

- **Labelling according to EU guidelines:**
The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials (GefStoffV)
- **Code letter and hazard designation of product:**
F Highly flammable
- **Risk phrases:**
11 Highly flammable.
- **Safety phrases:**
9 Keep container in a well-ventilated place.
16 Keep away from sources of ignition - No smoking.
29 Do not empty into drains.
51 Use only in well-ventilated areas.

(Contd. on page 2)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 18.02.2011

Version number 1

Revision: 20.01.2011

Trade name Solvent YSR 1-1
Part No. MF0402A-30









(Contd. of page 1)

- 60 This material and its container must be disposed of as hazardous waste.
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture consisting of the following components with harmless additives.

- **Dangerous components:**

CAS: 64-17-5 EINECS: 200-578-6 Index number: 603-002-00-5	ethanol  F R11  Flam. Liq. 2, H225	80-100%
CAS: 78-93-3 EINECS: 201-159-0 Index number: 606-002-00-3	butanone  Xi R36;  F R11 R66-67  Flam. Liq. 2, H225;  Eye Irrit. 2, H319; STOT SE 3, H336	1.0-2.49%
CAS: 3734-33-6 EINECS: 223-095-2	denatonium benzoate  Xn R22  Acute Tox. 4, H302	1.0-2.49%

- **Additional information** For the wording of the listed risk phrases refer to section 16.

4 First aid measures

- **Description of first aid measures**
- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact** Instantly wash with water and soap and rinse thoroughly.
- **After eye contact** Rinse opened eye for several minutes under running water.
- **After swallowing** Do not induce vomiting; instantly call for medical help.
- **Information for doctor**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents**
CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **Special hazards arising from the substance or mixture**
Can be released in case of fire
Nitrogen oxides (NO_x)
Carbon monoxide (CO)
- **Advice for firefighters**
- **Protective equipment:** Do not inhale explosion gases or combustion gases.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
Keep away from ignition sources

(Contd. on page 3)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 18.02.2011

Version number 1

Revision: 20.01.2011

Trade name Solvent YSR 1-1
Part No. MF0402A-30

(Contd. of page 2)

Wear protective clothing.

· **Environmental precautions:**

Do not allow product to reach sewage system or water bodies.

Prevent material from reaching sewage system, holes and cellars.

Inform respective authorities in case product reaches water or sewage system.

Dilute with much water.

· **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Ensure adequate ventilation.

· **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 information on disposal.

7 Handling and storage

· **Handling**

· **Precautions for safe handling**

Keep containers tightly sealed.

Store in cool, dry place in tightly closed containers.

· **Information about protection against explosions and fires:**

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

· **Conditions for safe storage, including any incompatibilities**

· **Storage**

· **Requirements to be met by storerooms and containers:** Store in cool location.

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

· **Further information about storage conditions:**

Protect from frost.

Keep container tightly sealed.

Store in cool, dry conditions in well sealed containers.

· **Storage class**

LGK VCI/D

3

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

* 8 Exposure controls/personal protection

· **Control parameters**

· **Components with critical values that require monitoring at the workplace:**

64-17-5 ethanol

OES (Great Britain)

Short-term value: 22 mg/m³, 6 ppm

Long-term value: 7.4 mg/m³, 2 ppm

WEL (Great Britain)

Long-term value: 1920 mg/m³, 1000 ppm

78-93-3 butanone

OES (Great Britain)

Short-term value: 22 mg/m³, 6 ppm

Long-term value: 7.4 mg/m³, 2 ppm

WEL (Great Britain)

Short-term value: 899 mg/m³, 300 ppm

Long-term value: 600 mg/m³, 200 ppm

Sk

IOELV (European Union)

Short-term value: 900 mg/m³, 300 ppm

Long-term value: 600 mg/m³, 200 ppm

· **Additional information:** The lists that were valid during the compilation were used as basis.

(Contd. on page 4)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 18.02.2011

Version number 1

Revision: 20.01.2011

Trade name Solvent YSR 1-1
Part No. MF0402A-30

(Contd. of page 3)

- **Exposure controls**

- **Personal protective equipment**

- **General protective and hygienic measures**

The usual precautionary measures should be adhered to in handling the chemicals.

Wash hands during breaks and at the end of the work.

- **Breathing equipment:** Not required.

- **Protection of hands:**

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

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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

To avoid skin problems reduce the wearing of gloves to the required minimum.

Avoid direct contact with the chemical/ the product/ the preparation by organizational measures.

- **Material of gloves**

Butyl rubber, BR

Fluorocarbon rubber (Viton)

Recommended thickness of the material:

≥ 0,6 mm

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

Value for the permeation: Level ≥

6

The determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:**



Tightly sealed safety glasses.

9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

Form: Fluid

Colour: According to product specification

- **Smell:** Characteristic

- **Change in condition**

Melting point/Melting range: -114,5°C

Boiling point/Boiling range: 78°C

- **Flash point:** 13°C

- **Ignition temperature:** 425°C

- **Self-inflammability:** Product is not selfigniting.

- **Danger of explosion:** Product is not explosive. However, formation of explosive steam/ air mixtures is possible.

(Contd. on page 5)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 18.02.2011

Version number 1

Revision: 20.01.2011

Trade name Solvent YSR 1-1
Part No. MF0402A-30

(Contd. of page 4)

· Critical values for explosion:	
Lower:	3.5 Vol %
Upper:	15 Vol %
· Oxidizing properties	Not applicable
· Vapor pressure at 20°C:	57 hPa
· Density at 20°C	0.81 g/cm ³
· Vapour density	Not determined
· Evaporation rate	Not determined
· Solubility in / Miscibility with	
Water at 20°C:	1000 g/l
· Segregation coefficient (n-octanol/water):	Not determined
· Solvent content:	
Organic solvents:	98.0 %
Water:	0.0 %
VOC-content (EU):	98.00 %
· Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** None

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritant effect.
- **Sensitization:** No sensitizing effect known.

12 Ecological information

- **Toxicity**
- **Acquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
- Water hazard class 1 (Self-assessment): slightly hazardous for water.
- Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.

(Contd. on page 6)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 18.02.2011

Version number 1

Revision: 20.01.2011

Trade name Solvent YSR 1-1
Part No. MF0402A-30

(Contd. of page 5)

- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
Hand over to disposers of hazardous waste.

- **European waste catalogue**

08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 01 00	wastes from MFSU and removal of paint and varnish
08 01 12	waste paint and varnish other than those mentioned in 08 01 11

- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

14 Transport information

- **Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)**



- **ADR/RID-GGVS/E Class:** 3 Flammable liquids.
- **Kemler Number:** 33
- **UN-Number:** 1263
- **Packaging group:** II
- **Label:** 3
- **UN proper shipping name:** 1263 PAINT RELATED MATERIAL
- **Limited quantities (LQ):** LQ6
- **Transport category:** 2
- **Tunnel restriction code:** D/E

- **Remarks:**
- **Maritime transport IMDG/GGVSea:**



- **IMDG/GGVSea Class:** 3
- **UN Number:** 1263
- **Label:** 3
- **Packaging group:** II
- **EMS Number:** F-E,S-E
- **Marine pollutant:** No
- **Correct technical name:** PAINT RELATED MATERIAL

(Contd. on page 7)

GB

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 18.02.2011

Version number 1

Revision: 20.01.2011

Trade name Solvent YSR 1-1
Part No. MF0402A-30

(Contd. of page 6)

Remarks:
Air transport ICAO-TI and IATA-DGR:



· **ICAO/IATA Class:** 3
 · **UN/ID Number:** 1263
 · **Label:** 3
 · **Packaging group:** II
 · **Correct technical name:** PAINT RELATED MATERIAL

· **UN "Model Regulation":** UN1263, PAINT RELATED MATERIAL, 3, II
 · **Special precautions for user** Warning: Flammable liquids.
 · **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations**
- **Technical instructions (air):**

Class	Share in %
NK	80-100

- **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
- **Other regulations, limitations and prohibitive regulations**

· **Substances of very high concern (SVHC) according to REACH, Article 57**

None of the ingredients is listed.

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

H225 Highly flammable liquid and vapour.

H302 Harmful if swallowed.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

R11 Highly flammable.

R22 Harmful if swallowed.

R36 Irritating to eyes.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

- **Department issuing data specification sheet:** Safety department for product handling

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

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

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

(Contd. on page 8)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 18.02.2011

Version number 1

Revision: 20.01.2011

Trade name Solvent YSR 1-1
Part No. MF0402A-30

(Contd. of page 7)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

VOCV: Lenkungsabgabe auf flüchtigen organischen Verbindungen, Schweiz (Swiss Ordinance on volatile organic compounds)

· *** Data compared to the previous version altered.**

GB