*1. IDENTIFICATION OF THE PRODUCT AND COMPANY

1.1 Identification of the preparation: MEGAX M1 Code: 51187
MEGAX X5 Code: 51188

1.2 Use of the preparation: Bodywork repair filler.

1.3 Company:
ROBERLO, S.A.
Carretera N-II, Km. 706,5 - E-17457 - Riudellots de la Selva (Girona) - SPAIN
Phone: +34 972 478060 - Fax: +34 972 477394 - info@roberlo.com – www.roberlo.com

1.4 Emergency phone number: +34 91 5620420 (National Institute of Toxicology)

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*2. COMPOSITION/INFORMATION ON INGREDIENTS

Substances taking part in a percentage higher than the exemption limit and presenting a health or environment hazard, and/or with a recognised exposure limit value:

10-25% Xylene (mixture of isomers)	R10 R38 R20/21	Xn	CAS: 1330-20-7 EC No. 215-535-7 SAX: XGS000 No. 601-022-00-9
2,5-10% n-butyl acetate	R10 R66 R67		CAS: 123-86-4 EC No. 204-658-1 SAX: BPU750 No. 607-025-00-1
2,5-10% 1-methoxypropyl acetate	R10 R36	Xi	CAS: 108-65-6 EC No. 203-603-9 No. 607-195-00-7
<2,5 % Naphtha solvent (oil), light aromatic	R10 R65 R66 R67 R51/53	Xn N	CAS: 64742-95-6 EC No. 265-199-0 No. 649-356-00-4 (Note P)
<2,5 % Ethylbenzene	R11 R20	F Xn	CAS: 100-41-4 EC No. 202-849-4 SAX: EGP500 No. 601-023-00-4

For more information on dangerous ingredients, see sections 8, 11, 12 and 16.

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3. IDENTIFICATION OF HAZARDS

Flammable.

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4. FIRST AID MEASURES

When in doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
4.1 By inhalation: Remove the patient out of the contaminated area into the fresh air. If breathing is irregular or stops, administer artificial respiration. If the person is unconscious,

place in appropriate recovery position. Keep the patient warm and at rest until medical attention arrives.
4.2 By contact with eyes: Rinse eyes copiously by irrigation with plenty of clean, fresh water for at least 15 minutes, until the irritation is reduced. Call a physician immediately.
4.3 By contact with the skin: Remove contaminated clothing. Wash thoroughly the affected area with plenty of cold or lukewarm water and neutral soap, or use a suitable skin cleanser. Do not use solvents or thinners.
4.4 By ingestion: In case of accidental swallowing, seek immediate medical attention. Do not induce vomiting, due to the risk of aspiration. Keep the patient at rest.

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5. FIRE-FIGHTING MEASURES

5.1 Means of Extinction: In the case of more important fires, also alcohol resistant foam and water spray/mist. Do not use for extinguishing: direct water jet.
5.2 Specific risks: Fire can produce a dense black smoke. As consequence of combustion or thermal decomposition, hazardous decomposition products may be produced, such as: carbon monoxide, carbon dioxide. Exposure to combustion or decomposition products may be a hazard to health.
5.3 Fire-proof protective equipment: Depending on magnitude of fire, heat-proof protective clothing may be required, appropriate independent breathing apparatus, gloves, protective glasses or face masks and boots.
5.4 Other recommendations: Cool with water the tanks, cisterns or containers close to sources of heat or fire. Bear in mind the direction of the wind. Do not allow fire-fighting residue to enter drains, sewers or water courses.

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6. ACCIDENTAL SPILLAGE MEASURES

6.1 Personal precautions: Eliminate possible sources of ignition and when appropriate, ventilate the area. Do not smoke. Avoid direct contact with this product. Avoid breathing vapours. For exposure controls and personal protection measures, see section 8.
6.2 Environmental precautions: Avoid contamination of drains, surface or subterranean water and soil. In the case of large scale spills or when the product contaminates lakes, rivers or sewages, inform the appropriate authorities in accordance with local regulations.
6.3 Cleaning-up methods: Contain and mop up spills with non-combustible absorbent materials (earth, sand, vermiculite, diatomaceous earth, etc..). Clean preferably with a detergent. Avoid use of solvents. Keep the remains in a closed container. For subsequent waste disposal, follow the recommendations in section 13.

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7. HANDLING AND STORAGE

7.1 Handling precautions: Comply with the health and safety at work laws.
- General recommendations: Avoid any type of leakage or escape. Keep the container tightly closed.
- Recommendations for the prevention of fire and explosion risks: Vapours are heavier than air and may spread along floors to a considerable distance. Vapours can form explosive mixtures with air and are able to reach distant ignition sources and flame up or explode. Due to its flammability, this material should only be used in areas from which all naked lights and other sources of ignition have been excluded and away from other heat or electrical sources. Do not smoke. Electrical equipment should be protected to the appropriate standard. No tools with a potential for sparks should be used. Use explosion protected equipment. Switch mobile phones off.

- Recommendations for the prevention of toxicological risks: Do not eat, drink or smoke in application and drying areas. After handling, wash hands with soap and water. For exposure controls and personal protection measures, see section 8.

7.2 Storage conditions: Prevent unauthorized access. Keep out of reach of children. This product should be stored isolated from heat and electrical sources. Do not smoke in storage area. Keep away from living quarters. In order to avoid leaks, the containers, after use, should be closed carefully and placed in a vertical position. Class of store: Class B1. According to ITC MIE APQ-1, RD.379/2001. Maximum storage period: 12 months. Temperature interval: min: 5ºC, max: 35ºC.

7.3 Incompatible materials: Keep away from oxidizing agents from strongly alkaline and strongly acid materials.

7.4 Conditions to avoid: Heat: Keep away from sources of heat. Light: Avoid direct contact with sunlight. Humidity: Avoid extreme humidity conditions.

***8. EXPOSURE CONTROLS/PERSONAL PROTECTION 98/24/CE**

8.1 Occupational Exposure Limits (TLV) AGCIH 2001

	TWA		STEL			Year
	ppm	mg/m3	ppm	mg/m3		
Xylene (mixture of isomers)	100	434	150	651	A4	1996
n-butyl acetate	150	713	200	950		1998
1-methoxypropyl acetate	50	275	100	550	Recommended Dermal	
Naphtha solvent (oil), light aromatic	50	260			Internal value	
Ethylbenzene	100	434	125	543		1976

A4 - Non classified as carcinogenic in humans.

8.2 Engineering measures: Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these measures are not sufficient to maintain concentrations of particles and vapours below the Occupational Exposure Limits, suitable respiratory protection must be worn.

- Vapour density: 3.87 Air = 1 at 20ºC Relative
- Lower explosive limit: 1.4 % Volume
- Ventilation requirement: 41 m3/l Air/Preparation MEGAX M1
  42 m3/l Air/ Preparation MEGAX X5

to keep below 1/10 of the Lower Explosive Limit.

- Ventilation requirement: 16907 m3/l (maximum) Air/Preparation

to keep below the Occupational Exposure Limit of the product. (application by pulverization and assuming a transfer efficiency of 80%). Special ventilation is required.

8.3 Protection of respiratory system: Avoid the inhalation of vapours. When operators, whether spraying or not, are inside the spraybooth, and ventilation is unlikely to be sufficient to constantly control particles and solvent vapour in all cases, in such circumstances they should wear a compressed air-fed respirator during the spraying process and until such a time as the particles and solvent vapour concentration has fallen below the exposure limits.
Mask: Filter mask.

8.4 Protection of eyes and face: Install emergency eye baths close to the working area. Goggles: Safety goggles designed to protect against liquid splashes. Face shield: No.

8.5 Protection of hands and skin: Install emergency showers close to the working area. Barrier creams may help to protect the exposed areas of the skin. Barrier creams should not be applied once exposure has occurred. Gloves: Protective gloves of a suitable material. Boots: No. Apron: No. Clothing: Personnel should wear antistatic clothing made of natural fibre or of high temperature resistant synthetic fibre.

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*9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical state:	Viscous liquid	
- Colour:	Light grey/Dark grey	
- Odour:	Characteristic	
- Viscosity:	50.000 cps 20ºC Brookfield	
- Specific gravity:	1.61 g/cc at 20ºC	MEGAX M1
	1.51 g/cc at 20ºC	MEGAX X5
- Boiling point:	126.3ºC at 760 mmHg	
- Flash point:	27ºC Setaflash	
- Autoignition temperature:	402.2ºC	
- Decomposition temperature:	350ºC	
- Vapour pressure:	6.9 mmHg at 20ºC	

10. STABILITY AND REACTIVITY

10.1 Stability: Stable under recommended storage and handling conditions.
10.2 Dangerous reactions: Possible dangerous reaction with oxidizing agents, acids, alkalis, peroxides.
10.3 Thermal decomposition: As consequence of thermal decomposition, hazardous products may be produced.

11. TOXICOLOGICAL INFORMATION

No experimental toxicological data on the preparation is available.

11.1 Toxicological effects: Exposure to solvent vapour concentrations 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 kidneys, liver and central nervous system. Symptoms and signs include: headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, unconsciousness. Ingestion may result in the following effects: sore throat, abdominal pain, drowsiness, nausea, vomiting and diarrhoea; other effects may be as described for exposure to vapours. Repeated or prolonged contact with the solvents of the preparation, may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin. Liquid splashes in the eyes may cause irritation and reversible damage.
11.2 Dose and lethal concentrations for individual ingredients:

	DL50 Oral mg/kg	DL50 Cutaneous mg/kg	CL50 Inhalation mg/l.4hours
Xylene (mixture of isomers)	4300 Rat	1700 Rabbit	22 Rat
n-butyl acetate	13100Rat	5000 Rabbit	9.7 Rat
1-methoxypropyl acetate	8532 Rat		
Naphtha solvent (oil), light aromatic	3900 Rat	3160 Rabbit	14 Rat
Ethylbenzene	3500 Rat	17800Rabbit	

For more information about ingredients dangerous to health, see sections 2 and 8.

*12. ECOLOGICAL INFORMATION

Prevent contamination of soil. Do not allow to escape into drains, sewers or water courses.

Emissions to the atmosphere: Avoid any solvent release into the atmosphere.
- VOC: 390 g/l MEGAX M1 ASTM D-3960
  402 g/l MEGAX X5
- Aromatic hydrocarbons: 14% Weight

12.1 Ecotoxicity: No experimental ecotoxicological data on the preparation as such is available. Ecotoxicological data for individual ingredients:

	CL50 mg/l.96hours	CE50 mg/l.48hours	CI50 mg/l.72hours
Xylene (mixture of isomers)	75 Fishes	16 Daphnia	
n-butyl acetate	18 Fishes	10 Daphnia	21 Algae
Naphtha solvent (oil), light aromatic	9.2 Fishes	6.1Daphnia	
Ethylbenzene	12 Fishes		33 Algae

12.2 Mobility : N/A
12.3 Persistence and degradability: In water : t ½ life = 29 - 144 hours (Xylene)
In air: t ½ life = 1 - 18 hours (Xylene)
12.4 Bioaccumulative potential : log Pow = 1.82 (n-butyl acetate)
log Pow = 3.12 - 3.20 (Xylene)
BCF = 14 (n-butyl acetate)

N/A: Not available.

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13. CONSIDERATIONS FOR DISPOSAL

13.1 Handling of waste: Take all necessary measures to prevent the production of waste whenever possible. Analyse possible methods for revaluation or recycling. Do not discharge into drains or the environment, dispose of at an authorised waste collection point. Waste should be handled and disposed of in accordance with current local/national regulations. For exposure controls and personal protection measures, see section 8.
13.2 Disposal of empty containers: Emptied containers and packaging should be disposed of in accordance with currently local/national regulations.
13.3 Procedures for neutralising or destroying the product: Controlled incineration in special facilities for chemical waste, but in accordance with local regulations.

***14. TRANSPORT INFORMATION**

PAINTS (FP>23ºC, viscous according to 2.2.3.1.5)

14.1 Land: Transport by road: ADR-2001
Transport by rail: RID/TPF
Good not submitted to Class 3.[1]
[1] Transport in accordance with 2.2.3.1.5 for viscous liquids in packages with capacity under 450 L
Transport document: Consignment paper
Written instructions.
14.2 Sea: Transport by ship: IMDG
Class: 3 UN nº1263 Marine pollutant: no Packaging group: III
Emergency Sheet (EmS): 3-05, 07
First Aid Guide (MFAG): 310, 313
Transport document: Shipping Bill of Lading

14.3 Air: Transport by plane: IATA/ICAO
Class: 3 UN nº1263 Packaging group: III
Transport document: Air Bill of Lading

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15. INFORMATION ON REGULATIONS

15.1 EC Labelling:

This product is flammable in accordance with 67/548/EEC - 2001/59/EC and 1999/45/EC - 2001/60/EC directives.

R10 Flammable.

S23 Do not breathe vapour, spray.
S36/37 Wear suitable protective clothing and gloves.
S51 Use only in well-ventilated areas

Dangerous ingredients: None in a percentage equal to or higher than the limit for the name.

15.2 Type of packaging: According to current legislation.

***16. OTHER INFORMATION**

Intended use
Only for professional use.

Text of R-phrases listed in section 2:
R10 Flammable.
R11 Highly flammable.
R20 Harmful by inhalation.
R36 Irritating to eyes.
R38 Irritating to skin.
R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.
R20/21 Harmful by inhalation and in contact with skin.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Note P : It is unnecessary to apply the classification as carcinogenic if it can be proved that the substance contains less than 0.1% benzene (EC No. 200-753-7) in weight.

Labelling regulations: The information provided in this Material Safety Data Sheet has been written in accordance wit 67/548/EEC (Substances), 88/379/EEC (Preparations) and 91/155/EEC (Material Safety Data Sheet) directives. It has been updated to 2001/59/EC (Substances), 2001/60/EC (Preparations) and 2001/58/EC (Material Safety Data Sheet) directives.

The information of this Material Safety Data Sheet, is based on the present state of knowledge and on current UE and national laws, as the users' working conditions are beyond our knowledge and control. The product is not to be used for other purposes than those specified, without first obtaining written handling instruction. It is always the responsibility of the user to

take all necessary steps in order to fulfil the demand laid down in the local rules and legislation. The information in this Material Safety Data Sheet is meant as a description of the safety requirements of the product and it is not to be considered as a guarantee of the product's properties.