

SAFETY DATA SHEET

Revision date: 20th November 2009

Marley Alutec Touch Up Paint

1. IDENTIFICATION OF THE PREPARATION AND COMPANY

Product name : EXTENDER SOLO XTINTOMETRO SINTAL
Code : 2706/RESN ric 01-A
Supplier : Marley Alutec

2. COMPOSITION/INFORMATION ON INGREDIENTS

Substances presenting a health hazard within the meaning of the Dangerous Substances Directive 67/548/EEC.

ECC Code	CAS Code	Name	Risk phrases (*)	Symb.	Conc.
601-022-01-6	1330-20-7	XYLENE, MIXTURE OF ISOMERS (WHEN FLASH POINT >= 21°C)	R20/21 R38 S25	Xn	25 – 50
603-004-00-6 (*)	72-36-3	BUTANOL	R20 816	Xn	1.0 – 2.49

See complete text in section 16

3. HAZARD IDENTIFICATION OF THE PREPARATION

According to the meaning of the Dangerous Substances Directive 88/379/EEC the preparation is classified as:

Xn – Harmful
 Flammable
 Harmful by inhalation and contact with skin
 Irritating to eyes, respiratory system and skin

4. FIRST AID MEASURES

General : In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation : Remove to fresh air, keep patient warm and at rest, if breathing is irregular or stopped, administer artificial respiration. Give nothing by mouth. If unconscious place in recovery position and seek medical advice.

Eye Contact : Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart and seek medical advice.

Ingestion : If accidentally swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

5. FIRE FIGHTING MEASURES

Extinguishing media : Recommended: Alcohol resistant foam, CO₂, powders, water spray.
 Not to be used: water jet.

Recommendations health : Fire will produce dense black smoke. Exposure to decomposition products may cause a hazard. Appropriate breathing apparatus may be required.
 Cool closed containers exposed to fire with water. Do not allow run off from fire fighting to enter drains or watercourses.

6. ACCIDENTAL RELEASE MEASURES

Exclude sources of ignition and ventilate the area. Avoid breathing in vapours. Refer to protective measures listed in section 7 and 8. 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). Do not allow to enter drains or watercourses.

Clean preferably with a detergent, avoid use of solvents.

If the product contaminates lakes, rivers or sewers, inform appropriate authorities in accordance with local regulations.

7. HANDLING AND STORAGE

Handling : Wear appropriate respiratory equipment when spray painting, even outdoors. When working in confined area/spray booth or where ventilation is unlikely to be sufficient to

Storage : control particulates and solvent vapour; in all cases operators should wear a compressed air fed respirator during the spraying process.
 Observe label precautions, Store between 5° and 35°C in a dry, well ventilated place away from sources of ignition. Keep away from oxidizing agents, from strongly alkaline and strongly acidic materials.
 No smoking. Prevent unauthorised access. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep in original containers.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

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 are not sufficient to maintain concentrations of particulates and solvent vapour below the operational exposure limit (OEL), suitable respiratory protection must be worn.

Exposure Limit TLV Substance :

	EEC Code	TWA		STEL	
		ppm	mg/m3	ppm	mg/m3
XYLENE, MIXTURE OF ISOMERS (WHEN FLASH POI)	601-022-01-6	100.000	434.000	150.000	651.000
BUTANOL MIXTURE 0.000 421.970	603-004-00-6	50.000	152.000	0.000	0.000

Personal Protection

Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hand protection : For prolonged or repeated contact, use appropriate certified material. Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred.

Eye protection : Use safety eyewear designed to protect against splash of liquids.

Skin protection : Personnel should wear antistatic clothing made of natural fibre or of high temperature resistant synthetic fibre. All parts of the body should be washed after contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Solids content	: 51.08		
Physical state	: LIQUID	Method	: ASIM D 3925
Flash point A penski	: +23	Method	: ABEL-PENSKY CLOSED CUP °C
Vapour density	: 2.7	Method	: RELATIVE TO AIR = 1
Low. lim air explosion	: 1.1-7% IN VOLUME	Method	: LOW LIMIT – HIGH LIMIT in vol
Water solubility	: NON MISCIBLE	Method	: WATER VOLUMETRIC SOLUBILITY
% VOC	: 48.920		
Vapour pressure	: 9 MEAR	Method	:
Boiling point °C	: 137	Method	: BOILING TEMPERATURE °C
Odour	: Distinct odour	Method	: SMELL
Auto-ignition temp °C	: 498	Method	: SELF-IGNITION TEMPERATURE °C

10. STABILITY AND REACTIVITY

Stable under recommended storage and handling conditions. (See section 7). When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen. Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

11. TOXICOLOGICAL INFORMATION

There is no data available on the preparation itself.
 Exposure to component 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 effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.
 Repeated or prolonged contact with the preparation may cause removal of natural fat from skin resulting in non – allergy contact dermatitis and absorption through the skin.
 The liquid splashed in the eyes may cause irritation and reversible damage.

12. ECOLOGICAL INFORMATION

There is no data available on the preparation itself.
 The product should not be allowed to enter drains or watercourses.

13. DISPOSAL CONSIDERATION

Do not allow into drains or watercourses

14. TRANSPORT INFORMATION

Road and rail transport:

ADR/RID: 3 UN: 1263
Packing Group: III
Label: 3
Nr. Kemler: 30
Proper Shipping Name: Paint or paint related material
Special Provision: 640H

Carriage by sea (shipping):

IMO class: 3 UN: 1263
Packing Group: III
Label: 3
EMS: F-E ,S-E
Proper Shipping Name: Paint or paint related material

Transport by air:

IATA: 3 UN: 1263
Packing Group: III
Label: 3
Cargo:
Packaging instructions: 310 Maximum quantity: 220 L
Pass.:
Packaging instructions: 309 Maximum quantity: 60 L
Special Instructions: A3, A72

15. REGULATORY INFORMATION

According the meaning of the Dangerous Substances Directive 88/379/EEC the preparation is classified as:

I - Flammable
Xn - Harmful

Flammable

Harmful by inhalation and contact with skin

Irritating to eyes, respiratory system and skin

Keep away from sources of ignition. No smoking.

Do not breathe vapour/spray

Avoid contact with eyes.

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Contents : XYLENE, MIXTURE OF ISOMERS (WHEN FLASH POINT \geq 21°C;

16. OTHER INFORMATION

Full text of R phrases appearing in section 2

R20/21 harmful by inhalation and contact with skin

R38 Irritating to skin

R20 Harmful by inhalation

The information of this Manual Safety Data Sheet (MSDS) is based on the present state of our knowledge and on current EEC 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 under section 1 without first obtaining written handling instructions. 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 MSDS is meant as a description of the safety requirements of the product's properties.