



PROFESSIONAL QUALITY

Automotive Hardener



Date issued 15/03/2007

**9091-222 : 2K MS HARDENER FAST**

Flammable



Harmful

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

**Product Code:** 9091-222      **Product Name:** METALUX 2 2K MS HARDENER FAST  
**CAS No.:** Not applicable      **EC No.:** Not applicable      **UN No.:** 1263

	<u>SOUTH AFRICA</u>	<u>AUSTRALIA</u>	<u>UNITED STATES OF AMERICA</u>
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**SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS**

**Chemical Class:** PAINT or PAINT RELATED  
**Classification:** F Xn R Phrases R11,20,36,66,67      S Phrases S02,13,16,26,43A,46,51  
**Comment:** OEL Type: Mixture - See tables in Sections 2 and 8

	<u>% m/m</u>	<u>EC Labels</u>	<u>CAS No.</u>	<u>EC No.</u>
<b>HAZARDOUS AND/OR OTHER RELEVANT COMPONENTS</b>				
BUTANONE	>20 %	F Xi	78-93-3	606-002-00-3
XYLENE	<12.5 %	Xn	1330-20-7	601-022-00-9
TOLUENE	<12.5 %	F Xn	108-88-3	601-021-00-3
HEXAMETHYLENE DI-ISOCYANATE	<.5 %	T	822-06-0	615-011-00-1

**SECTION 3. HAZARDS IDENTIFICATION**

**SAPMA Health Rating:** 2-MODERATE - Temporary or minor injury possible even if treatment given  
**Inhalation:** HARMFUL. Contains ISOCYANATE. Sensitiser with accumulative effects.  
**Skin:** Irritating. Risk of dermatitis.  
**Eyes:** Irritating.  
**Ingestion:** Irritating.

No carcinogenic, mutagenic or genetic effects established  
May have short term environmental effects. Contain, monitor & remove

**SECTION 4. FIRST AID MEASURES**

**Inhalation:** Move to fresh air. In case of discomfort seek medical attention immediately.  
**Skin:** Use hand cleaner/soap & water. Remove contaminated clothing. If any discomfort get medical attention.  
**Eyes:** Rinse immediately with plenty of water. Seek medical advice.  
**Ingestion:** Wash mouth with plenty of water. Do NOT induce vomiting. Seek medical advice.

**SECTION 5. FIRE FIGHTING MEASURES**

Highly flammable with toxic fumes.  
Containers can burst in a fire. Can form explosive vapour/air mixture. Static discharge hazard!  
Foam. Dry powder. Fog to cool and control. Do NOT use water jets.  
Cool containers in case of fire.

**SECTION 6. ACCIDENTAL RELEASE MEASURES - SEE ALSO SECTIONS 5, 8, 13**

Contain & collect. Keep out of drains and sewers.



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**SECTION 7. HANDLING AND STORAGE**

Store separately from any reactive substances - oxidisers in particular.  
No open flames. No smoking. No sparks.  
Keep containers cool. Avoid free fall liquid - use earthing.  
Subject to local bylaws.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION****HAZARDOUS AND/OR****OTHER RELEVANT COMPONENTS:**

	<u>CAS No.</u>	<u>OEL</u> (mg/m <sup>3</sup> )	<u>OEL</u> (ppm)	<u>STOEL</u> (mg/m <sup>3</sup> )	<u>STOEL</u> (PPM)	<u>OEL</u> Type
BUTANONE	78-93-3	590.	200.	885	300	RL+
XYLENE	1330-20-7	435	100	650.	150.	RL+S
TOLUENE	108-88-3	188	50	560	150	RL+S
HEXAMETHYLENE DI-ISOCYANATE	822-06-0	0.005		0.034	0.034	CL

(CL/RL = Controlled/Recommended level 'S' = Skin annotation)

**SAPMA Rating:****Inhalation:****Skin:****Eyes:****Ingestion:**

2-H-E PPE : Respirator and Eye protection.

Use respiratory protection. Handle with extreme care. Absorb any spillage at once.

Use barrier cream and impervious gloves.

Use face shield or goggles. Avoid direct contact.

Observe the rules of hygiene. Wash before eating, drinking or smoking.

OEL Type : Mixture - See tables in Sections 2 and 8



SAPMA - E

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Viscous liquid	<b>Odour:</b>	Pungent
<b>Boiling Point:</b>	>35°C	<b>Flash Point:</b>	<23°C (derived)
<b>Water solubility:</b>	--	<b>Fat Solubility:</b>	--

**SECTION 10. STABILITY AND REACTIVITY**

Stable under normal conditions  
Prone to ignite by static

Inert - no reaction with fire-fighting water

**SECTION 11. TOXICOLOGICAL INFORMATION**

No carcinogenic, mutagenic or genetic effects established  
LD50 Oral: >500 mg (Derived)

**SECTION 12. ECOLOGICAL INFORMATION**

May have short term environmental effects. Contain, monitor & remove

**SECTION 13. DISPOSAL INFORMATION**

Hazardous. Use reputable waste disposal contractors. Destroy used containers.

**SECTION 14. TRANSPORT INFORMATION**

<b>UN Number</b>	1263		
<b>Shipping Name</b>	PAINT or PAINT RELATED MATERIAL		
<b>IMO Class</b>	3.2	<b>Packing Group</b>	II
<b>Action Code</b>	127		
<b>HazChem</b>	3[Y]E		
<b>Kemler Code</b>	30		





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## SECTION 15. REGULATORY INFORMATION

EC No.:	-	n/a Contains : BUTANONE	
F Xn	-	R Phrases R11,20,36,66,67	S Phrases S02,13,16,26,43A,46,51
R11	-	Highly flammable	
R20	-	Harmful by inhalation	
R36	-	Irritating to the eyes	
R66	-	Repeated exposure may cause skin drying or cracking	
R67	-	Vapours may cause drowsiness and dizziness.	
S2	-	Keep out of reach of children. (Retail sales items)	
S13	-	Keep away from food, drink and animal feeding stuffs	
S16	-	Keep away from sources of ignition - No smoking	
S26	-	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice	
S43A	-	In case of fire, use water fog, foam or powder - Do not use water jets!	
S46	-	If swallowed seek medical advice immediately and show this container or label.	
S51	-	Use only in well ventilated areas	



Flammable



Harmful

## SECTION 16. OTHER INFORMATION

TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGES.  
IN CASE OF ANY DISCOMFORT ALWAYS SEEK MEDICAL ADVICE.

This MSDS conforms with General Administrative Regulations of 6 Sept.1996 (ISO-11014/ANSIZ400.1.1996)  
OELs derived from OHS Act Regulations for Dangerous Chemical Substances of 25 Aug.1995 (EH-42)  
SAPMA Rating - South African Paint Manufacturers Association Guide to Health Hazards (SABS ARP 006:1991)  
All information is given in good faith but without guarantee in respect of accuracy.  
No responsibility is accepted for errors or omissions or the consequences thereof.

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