



PROFESSIONAL QUALITY
Automotive Hardener



Date issued 15/03/2007

9092-222 : 2K MS HARDENER MEDIUM



SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Code: 9092-222 **Product Name:** METALUX 2 2K MS HARDENER MEDIUM
CAS No.: Not applicable **EC No.:** Not applicable **UN No.:** 1263

	<u>SOUTH AFRICA</u>	<u>AUSTRALIA</u>	<u>UNITED STATES OF AMERICA</u>
Company Name:	Chemical Specialities (Pty) Ltd	ChemSpec Coatings (Pty) Ltd	ChemSpec USA, Inc.
Address:	320 South Coast Road Rossburgh Durban 4094	52-54 Chard Road Brookvale, NSW	9287 Smucker Road Orrville, Ohio 44667
Telephone:	+27 31 450 8800	+61 02 9907 1425	+1 330 669 8512
Facsimile:	+27 31 450 8930	+61 02 9907 1465	+1 330 669 3965
Contact:	Group Technical Manager techservice@chemspecpaint.com www.chemspecpaint.com	techservice@chemspecpaint.com	+1 800 328 4892 (Toll Free) techservice@chemspecpaint.com

SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Class: PAINT or PAINT RELATED
Classification: F Xn R Phrases R11,20,66,67 S Phrases S02,13,16,43A,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>
HAZARDOUS AND/OR OTHER RELEVANT COMPONENTS				
XYLENE	<12.5 %	Xn	1330-20-7	601-022-00-9
BUTANONE	<20 %	F Xi	78-93-3	606-002-00-3
HEXAMETHYLENE DI-ISOCYANATE	<.5 %	T	822-06-0	615-011-00-1
ETHYL-3-ETHOXYPROPIONATE	: %		000763-69-9	

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: HARMFUL BY CONTACT.
Eyes: Highly irritating and risk of irreversible damage.
Ingestion: Harmful if swallowed. Can affect CNS. Systemic poison.

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: ACT FAST! Rinse immediately with plenty of water. Refer immediately to doctor.
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. Use an inert - NOT sawdust. Keep out of drains and sewers.



PROFESSIONAL QUALITY

Automotive Hardener

**SECTION 7. HANDLING AND STORAGE**

Store only in designated places.
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 ³)	<u>OEL</u> (ppm)	<u>STOEL</u> (mg/m ³)	<u>STOEL</u> (PPM)	<u>OEL</u> Type
XYLENE	1330-20-7	435	100	650.	150.	RL+S
BUTANONE	78-93-3	590.	200.	885	300	RL +
HEXAMETHYLENE DI-ISOCYANATE	822-06-0	0.005		0.034	0.034	CL
ETHYL-3-ETHOXYPROPIONATE	000763-69-9		50		100	

(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.

Avoid direct contact. Use barrier cream and impervious gloves.

Use 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

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

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

Use reputable waste disposal contractors. Exercise caution in disposal of used containers.

SECTION 14. TRANSPORT INFORMATION

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





PROFESSIONAL QUALITY

Automotive Hardener



SECTION 15. REGULATORY INFORMATION

EC No.:	-	n/a	
F Xn	-	R Phrases R11,20,66,67	S Phrases S02,13,16,43A,46,51
R11	-	Highly flammable	
R20	-	Harmful by inhalation	
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	
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

CONTAINS ISOCYANATE - POTENTIAL SENSITISER - ENSURE PRECAUTIONS ARE TAKEN.
IN CASE OF ANY DISCOMFORT ALWAYS SEEK MEDICAL ADVICE.
PAY SPECIAL ATTENTION TO STORAGE AND HANDLING REQUIREMENTS.

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.

(Date of issue : 15/03/2007

Date of analysis : 15/03/2007)