



**SAFETY DATA SHEET**

Date issued 2015/01/27

**9242 : MLX BC SCARLET RED**

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

<b>Product Code</b>	9242	<b>Product Name</b>	MLX BC SCARLET RED
<b>Recommended use</b>	A paint or paint constituent product		
	<b>SOUTH AFRICA</b>	<b>AUSTRALIA</b>	<b>UNITED STATES OF AMERICA</b>
	<b>Manufacturer</b>	<b>Supplier</b>	<b>Supplier</b>
<b>Company Name</b>	Chemical Specialities (Pty) Ltd	ChemSpec Coatings (Pty) Ltd	ChemSpec USA, Inc.
<b>Address</b>	2029 Old Mill Road Canelands Verulam 4340	Unit 4, 94 Delta Street Geebung QLD 4034	9287 Smucker Road Orrville, Ohio 44667
<b>Telephone</b>	+27 32 541 8600	+61 7 3865 6179	
<b>Facsimile</b>	+27 32 541 8704	+61 7 3865 6179	+1 330 669 3965
<b>Emergency Contact</b>			
<b>Contact</b>	+27 82 778 0569	+61 41 0685 981	800-424-9300 (CHEMTREC)
<b>Contact number</b>	Group Technical Manager techservice@chemspecpaint.com http://www.chemspecpaint.com/	techservice@chemspecpaint.com	techservice@chemspecpaint.com

**SECTION 2. HAZARDS IDENTIFICATION**

**Overall Nature** HAZARDOUS MIXTURE, DANGEROUS GOODS

**Classification reference SANS10234 (1272/2008/EC) :**

**Classification of the substance or mixture**

- (H225) Flammable liquids, Hazard Category 2
- (H315) Skin corrosion/irritation, Hazard Category 2
- (H318) Serious eye damage/eye irritation, Hazard Category 1
- (H361d) Reproductive toxicity, Hazard Category 2
- (H335) Specific target organ toxicity ^ Single exposure, Hazard Category 3, Respiratory tract irritation
- (H373) Specific target organ toxicity ^ Repeated exposure, Hazard Category 2

**GHS label elements, including precautionary statements**

**Signal word** Danger

**Pictograms**



**Hazard and Precautionary Statements**

**Hazard Statements**

- Highly flammable liquid and vapour
- Causes skin irritation
- Causes serious eye damage
- Suspected of damaging the unborn child.
- May cause respiratory irritation
- May cause damage to organs through prolonged or repeated exposure

**Precautionary Statements**

**Prevention Statements**

- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.

Keep away from heat/sparks/open flames/hot surfaces. – No smoking.  
Keep container tightly closed.  
Ground/bond container and receiving equipment. – if the explosive is electrostatically sensitive.  
Use explosion-proof electrical/ventilating/lighting/.../ equipment.  
Use only non-sparking tools.  
Take precautionary measures against static discharge.  
Do not breathe dust/fume/gas/mist/vapours/spray.  
Avoid breathing dust/fume/gas/mist/vapours/spray.  
Wash ... thoroughly after handling.  
Use only outdoors or in a well-ventilated area.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Use personal protective equipment as required.

#### Response Statements

IF ON SKIN: Wash with plenty of soap and water.  
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
IF exposed or concerned: Get medical advice/ attention.  
Immediately call a POISON CENTER or doctor/physician.  
Call a POISON CENTER or doctor/physician if you feel unwell.  
Get medical advice/attention if you feel unwell.  
Specific treatment (see ... on this label). ... Reference to supplemental first aid instruction.  
If skin irritation occurs: Get medical advice/ attention.  
Take off contaminated clothing and wash before reuse.  
In case of fire: Use powder/... for extinction.

#### Storage Statements

Store in a well-ventilated place. Keep container tightly closed. – if product is volatile so as to generate hazardous atmosphere.  
Store in a well-ventilated place. Keep cool.  
Store locked up.

#### Disposal Statements

Dispose of contents/container in accordance with local/regional/ national/international regulations in accordance with local/regional/ national/international regulation

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Product type :** Mixture      **Generic name :** PAINT or PAINT RELATED MATERIAL

**CAS No. :** Not applicable      **EU Index No :** Not applicable      **UN No :** 1263

#### HAZARDOUS AND/OR OTHER RELEVANT COMPONENTS

Name	% m/m	EC Labels	CAS Number	EC Index
n-BUTYL ACETATE	30-60 %		123-86-4	607-025-00-1
XYLENE	10-30 %	Xn	1330-20-7	601-022-00-9
TOLUENE	5-10 %	F Xn	108-88-3	601-021-00-3
N-BUTANOL	5-10 %	Xn	71-36-3	603-004-00-6
SOLVENT NAPHTHA LIGHT AROM (ARO1) (Benzene < 0.1%)	<10 %	Xn	64742-95-6*	649-356-00-4
ETHYLBENZENE	<25 %	F Xn	100-41-4	601-023-00-4
ISOBUTYL ALCOHOL	<5 %	- Xi	78-83-1	603-108-00-1
FORMALDEHYDE	<0.2 %	T	50-00-0	605-001-00-5
ETHYLBENZENE	<25 * %	F Xn	100-41-4	601-023-00-4

#### Classification reference SANS10234 (1272/2008/EC) :

EC Index	Classification   Hazard Code
607-025-00-1	Flam. Liq. 3;STOT SE 3   H226;H336
601-022-00-9	Flam. Liq. 3;Acute Tox. 4 ;Acute Tox. 4 ;Skin Irrit. 2   H226;H332;H312;H315
601-021-00-3	Flam. Liq. 2;Repr. 2;Asp. Tox. 1;STOT RE 2 ;Skin Irrit. 2;STOT SE 3   H225;H361d ;H304;H373 ;H315;H336
603-004-00-6	Flam. Liq. 3;Acute Tox. 4 ;STOT SE 3;Skin Irrit. 2;Eye Dam. 1;STOT SE 3   H226;H302;H335;H315;H318;H336
649-356-00-4	Carc. 1B;Muta. 1B;Asp. Tox. 1   H350;H340;H304
601-023-00-4	Flam. Liq. 2;Acute Tox. 4   H225;H332
603-108-00-1	Flam. Liq. 3;STOT SE 3;Skin Irrit. 2;Eye Dam. 1;STOT SE 3   H226;H335;H315;H318;H336
605-001-00-5	Carc. 2;Acute Tox. 3 ;Acute Tox. 3 ;Acute Tox. 3 ;Skin Corr. 1B;Skin Sens. 1   H351;H331;H311;H301;H314;H317
601-023-00-4	Flam. Liq. 2;Acute Tox. 4   H225;H332

### SECTION 4. FIRST AID MEASURES

**Inhalation**      Move to fresh air. In severe cases seek medical attention.  
**Skin**              Drench with water. Remove contaminated clothing. Use a skin cleaner. In severe cases refer to Doctor.  
**Eyes**              Rinse well with water and seek medical advice if discomfort persists.  
**Ingestion**        Wash mouth with plenty of water. Do NOT induce vomiting. Seek medical advice.

### SECTION 5. FIRE FIGHTING MEASURES

#### Suitable extinguishing media :

Foam. Dry powder. Fog to cool and control. Do NOT use water jets.

#### Specific hazards arising from the chemical :

Containers can burst in a fire. Can form explosive vapour/air mixture. Static discharge hazard!  
Highly flammable with toxic fumes.  
Cool containers in case of fire.

#### Special protective actions for fire-fighters :

Suitable extinguishing media : Foam, dry agent  
 Substance reacts violently/is explosive  
 For fires use breathing apparatus. If no fire, breathing apparatus not essential  
 Prevent, by any means available, spillage from entering drains or water courses

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

Contain & collect. Use an inert - NOT sawdust. Keep out of drains & sewers.  
 Wear protective equipment (see Section 8). Keep unprotected persons away.  
 Do not allow product to reach sewage system or any water course.  
 Remove ignition sources and provide sufficient ventilation

**SECTION 7. HANDLING AND STORAGE**

**Storage :**

Store separately from : explosives, toxic gases, oxidising substances, organic peroxides, poisonous (toxic) substances, infectious substances (biohazards),  
 No open flames. No smoking. No sparks.  
 Keep containers cool. Avoid free fall of liquid - use earthing.  
 Subject to local bylaws

**Handling :**

Ensure good ventilation/exhaustion at the workplace  
 Do not spray on a naked flame or any incandescent material  
 Eating, drinking and smoking in work areas is prohibited  
 Wash hands after use  
 Remove contaminated clothing and protective equipment before entering eating areas

**Inhalation** Ensure adequate ventilation or use respiratory protection. Ventilate curing areas/ovens properly.  
**Skin** AVOID CONTACT. Use impervious gloves, apron and boots.  
**Eyes** Avoid any form of direct contact. Do not touch eyes with dirty hands or gloves.  
**Ingestion** Observe the rules of hygiene. Wash before eating, drinking or smoking.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**HAZARDOUS AND/OR OTHER RELEVANT COMPONENTS**

Name	CAS Number	TWA OEL (mg/m3)	TWA OEL (ppm)	STOEL (mg/m3)	STOEL (ppm)	OEL Type	Vap.Press. (mmHg)
MLX BC SCARLET RED	-	-	-	-	-	-	-
Components :	Not applicable	-----	-----	-----	-----	-----	-----
n-BUTYL ACETATE	123-86-4	710.	150.	950	200	RL	8.7
XYLENE	1330-20-7	435	100	650.	150.	RL+ S	6.7
TOLUENE	108-88-3	188	50	560	150	RL+ S	1.9
N-BUTANOL	71-36-3	150	50	150	50	RL S	1.3
SOLVENT NAPHTHA LIGHT AROM (ARO1)	(Benzene < 0.1%)	1200				RL	
	64742-95-6*	435	100	545	125	RL+	
ETHYLBENZENE	100-41-4	435	100	545	125	RL+	
ISOBUTYL ALCOHOL	78-83-1	150	50	225	75	RL	
FORMALDEHYDE	50-00-0	1.5	1.0	2.5	2.0	CL	
ETHYLBENZENE	100-41-4	435	100	545	125	RL+	

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

OEL Type : Mixture

Maintain air concentrations below occupational exposure standards, using engineering controls as necessary  
 Appropriate hand protection and protective clothing must always be used  
 Keep away from foodstuffs, beverages and feed  
 Wash hands before breaks and at the end of work

**Paint Type** Mixture of synthetic resins, pigments and solvents  
**General PPE Requirements** For Mixing, Brush Application, Roller Application, Pouring, etc.

**Personal protective equipment :**

**Skin PPE :** Overall and impervious gloves (eg nitrile rubber)  
**Respiratory PPE :** Air purifying respirator (eg cartridge type)  
**Eye PPE :** Faceshield or solvent resistant goggles

**HMIS Rating (USA)** 2 - 4 - 0 - I (Health-Flam-Reactivity-PPE)  
**SAPMA Rating** 2-H-E PPE : Gloves, Respirator and Eye protection



**SPRAYBOOTH****Spraybooth Type** Spraybooth complying with National Standards**Skin PPE** Nitrile Gloves**Eyes PPE** Faceshield or solvent resistant goggles**Respiratory Protection** Air supplied full facepiece or head covering respirator suitable for organic vapours/particulates**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Property	Value
Appearance	Viscous liquid
Odour	Pungent
pH	not available
Boiling point	>35°C
Melting point	not available
Flash point	<23°C
Explosive prop	not available
Oxidizing prop	not available
Vapour pressure	not available
Density	not available
Water solubility	--
Fat solubility	--
Partition coefficient	not available
Viscosity	not available
Vapour density	not available
Evaporation rate	not available
Autoignition temperature	not available
L.E.L.	not available
U.E.L.	not available
% non volatile	not available

**SECTION 10. STABILITY AND REACTIVITY**

Stable under normal conditions

Could generate static - USE EARTHING

No reaction with fire-fighting water

Keep away from : explosives, toxic gases, oxidising substances, organic peroxides, poisonous (toxic) substances, infectious substances (biohazards),

**SECTION 11. TOXICOLOGICAL INFORMATION**

Name	CAS Number	LD50 Oral	LD50 Skin	LC50 Inhal(gas)	LC50 Inhal(mist)
-	-	mg/kg	mg/kg	ppmV	mg/ltr
MLX BC SCARLET RED	Not applicable	t.b.e.			
Components :	-----	-----	-----	-----	-----
n-BUTYL ACETATE	123-86-4	14000 mg (Rat)	>5000 mg (Rabbit)		
XYLENE	1330-20-7	4300 mg (Rat)	5000 mg (Rabbit)		
TOLUENE	108-88-3	7000 mg (Rat)	>2000 mg (Rabbit)		
N-BUTANOL	71-36-3	790 mg (Rat)	3400 mg (Rabbit)		
SOLVENT NAPHTHA LIGHT AROM (ARO1)	(Benzene < 0.1%)				
	64742-95-6*	>5000 mg (Rat)			
ETHYLBENZENE	100-41-4	3500 mg (Rat)	5000 mg (Rabbit)		
ISOBUTYL ALCOHOL	78-83-1	2460 mg (Rat)			
FORMALDEHYDE	50-00-0				
ETHYLBENZENE	100-41-4	3500 mg (Rat)	5000 mg (Rabbit)		

**Inhalation**

Irritating, narcotic. Formaldehyde may be released during curing.

**Skin**

Highly irritating. Risk of dermatitis. May be absorbed through intact skin.

**Eyes**

Irritating - may cause damage if not given prompt attention.

**Ingestion**

Harmful if swallowed.

**SECTION 12. ECOLOGICAL INFORMATION**

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

Aquatic toxicity : No further relevant information available

Persistence and degradability : No further relevant information available.

Bioaccumulative potential : No further relevant information available.

Mobility in soil : No further relevant information available.

Available ecological data of ingredients :

Name	CAS Number	Aquatic Toxicity
XYLENE	1330-20-7	LC50 (goldfish) = 13 mg/L; 24 hr LC50 (rainbow trout) = 13.5 mg/L; 96 h EC50 Daphnia magna 3.82 mg/L, 48 h
TOLUENE	108-88-3	LC50 fathead minnow = 25mg/L;96 h LC50 rainbow trout = 24mg/L; 96 h LC50 bluegill = 24mg/L; 96 h EC50 water flea = 11.3mg/L; 48

### SECTION 13. DISPOSAL INFORMATION

Use reputable waste disposal contractors. Exercise caution in disposal of used containers.  
 Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

### 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		
<b>USA (DOT)</b>	UN1263		
<b>CANADA (TDG)</b>	UN1263		



### SECTION 15. REGULATORY INFORMATION

**CANADIAN DSL INVENTORY** Components are listed on inventory list  
**USA TSCA INVENTORY** Components are listed on inventory list

**Canada**  
**WHMIS** **B-2** : Flammable liquid with Flash Point lower than 37.8°C (100°F)  
**D-2B** : Material causing other toxic effects

### SECTION 16. OTHER INFORMATION

TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGES.  
 IN CASE OF ANY DISCOMFORT ALWAYS SEEK MEDICAL ADVICE.  
 HMIS Rating (USA) : 2 - 4 - 0 - I (Health-Flam-Reactivity-PPE)

#### Hazard (H) phrases associated with components

H225 : Highly flammable liquid and vapour  
 H226 : Flammable liquid and vapour  
 H301 : Toxic if swallowed  
 H302 : Harmful if swallowed  
 H304 : May be fatal if swallowed and enters airways  
 H311 : Toxic in contact with skin  
 H312 : Harmful in contact with skin  
 H314 : Causes severe skin burns and eye damage  
 H315 : Causes skin irritation  
 H317 : May cause an allergic skin reaction  
 H318 : Causes serious eye damage  
 H331 : Toxic if inhaled  
 H332 : Harmful if inhaled  
 H335 : May cause respiratory irritation  
 H336 : May cause drowsiness or dizziness  
 H340 : May cause genetic defects  
 H350 : May cause cancer  
 H351 : Suspected of causing cancer  
 H361d : Suspected of damaging the unborn child.  
 H373 : May cause damage to organs through prolonged or repeated exposure

#### Abbreviations

Code : Abbreviation : Meaning  
 - : : flammable  
 F : : highly flammable  
 T : : toxic  
 Xi : : irritant  
 Xn : : harmful  
 ===== : :  
 : : Associated pictogram code shown in brackets  
 H225 : Flam. Liq. 2 : (GHS02) Flammable liquids, Hazard Category 2  
 H226 : Flam. Liq. 3 : (GHS02) Flammable liquids, Hazard Category 3  
 H301 : Acute Tox. 3 : (GHS06) Acute toxicity (oral), Hazard Category 3  
 H302 : Acute Tox. 4 : (GHS07) Acute toxicity (oral), Hazard Category 4

H304 : Asp. Tox. 1 : (GHS08) Aspiration hazard, Hazard Category 1  
 H311 : Acute Tox. 3 : (GHS06) Acute toxicity (dermal), Hazard Category 3  
 H312 : Acute Tox. 4 : (GHS07) Acute toxicity (dermal), Hazard Category 4  
 H314 : Skin Corr/Irrit 1A/1B/1C : (GHS05) Skin corrosion/irritation, Hazard Category 1A, 1B, 1C  
 H315 : Skin Corr/Irrit. 2 : (GHS07) Skin corrosion/irritation, Hazard Category 2  
 H317 : Skin Sens. 1 : (GHS07) Sensitisation ^ Skin, Hazard Category 1  
 H318 : Eye Dam/Irrit 1 : (GHS05) Serious eye damage/eye irritation, Hazard Category 1  
 H331 : Acute Tox. 3 : (GHS06) Acute toxicity (inhalation), Hazard Category 3  
 H332 : Acute Tox. 4 : (GHS07) Acute toxicity (inhalation), Hazard Category 4  
 H335 : STOT SE 3 : (GHS07) Specific target organ toxicity ^ Single exposure, Hazard Category 3, Respiratory tract irritation  
 H336 : STOT SE 3 : (GHS07) Specific target organ toxicity ^ Single exposure, Hazard Category 3, Narcosis  
 H340 : Muta. 1B : (GHS08) Germ cell mutagenicity, Hazard Category 1A, 1B  
 H350 : Carc. 1A / 1B : (GHS08) Carcinogenicity, Hazard Category 1A, 1B  
 H351 : Carc. 2 : (GHS08) Carcinogenicity, Hazard Category 2  
 H361d : Repr. 2 : (GHS08) Reproductive toxicity, Hazard Category 2  
 H373 : STOT RE 2 : (GHS08) Specific target organ toxicity ^ Repeated exposure, Hazard Category 2  
 ===== :  
 : %m/m : Percent by mass  
 : ACGIH : American Conference of Governmental Industrial Hygienist  
 : ATE : Acute Toxicity Estimate  
 : CAS : Chemical Abstracts Service  
 : CHIP : Chemicals (Hazard Information and Packaging for supply)  
 : CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures  
 : CNS : Central Nervous System  
 : DIN : Standard of the German Institute for Standardisation  
 : DOT : Department of Transport  
 : EC : European Community  
 : EC50 : Effective Concentration (Median) for 50% of the response under test  
 : ECB : European Chemicals Bureau  
 : ECHA : European Chemicals Agency, Helsinki ([http://echa.europa.eu/home\\_en.asp](http://echa.europa.eu/home_en.asp))  
 : EEC : European Economic Community  
 : EINECS : European Inventory of Existing Chemical Substances  
 : ELINCS : European List of Notified Chemical Substances  
 : GHS : Globally Harmonized System of Classification and Labelling of Chemicals  
 : HMIS : Hazardous Materials Information System (USA only)  
 : IATA : International Air Transport Association  
 : IMDG : International Maritime Dangerous Goods Code  
 : IMO : International Maritime Organization  
 : INS : Guidance on Identification and Naming of Substances under REACH, ECHA, 2007  
 : ISO : International Standards Organisation  
 : L.E.L. : Lower explosive limit  
 : LD50/LC50 : Median (50%) lethal dose/concentration  
 : mg/m3 : Milligrams per cubic meter  
 : MSDS : Material safety data sheet  
 : n.a. : Not available  
 : NC : No Classification  
 : No : Number  
 : OEL : Occupational exposure limit  
 : OEL-CL : Occupational exposure limit - control limit  
 : OEL-RL : Occupational exposure limit - recommended limit  
 : OHS Act : Occupational Health and Safety Act  
 : P statement : Precautionary statement  
 : PEL : Permissible Exposure Limit  
 : PPE : Personal protective equipment  
 : ppm : Parts per million  
 : REACH : Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals  
 : RTDG : Regulations on the Transport of Dangerous Goods. Generic term that covers all modal transport regulations (ADR, RID, ADN, IMDG and ITDG)  
 : SABS : South African Bureau of Standards  
 : SANS : South African National Standards  
 : SAPMA : South African Paint Manufacturers Association  
 : SARA 313 : Toxic Release Inventory Reporting SRA Section 3  
 : SDS : Safety Data Sheet  
 : STOEL : Short-term occupational exposure limit  
 : STOT-RE : Specific Target Organ Toxicity - Repeated Exposure  
 : STOT-SE : Specific Target Organ Toxicity - Single Exposure  
 : TDG : Transport of Dangerous Goods  
 : TSCA : Toxic Substance Control Act (USA only)  
 : TWA : Time weighted average  
 : U.E.L. : Upper explosive limit  
 : UN : United Nations  
 : WHMIS : Workplace Hazardous Materials Information Systems (Canada only)  
 ===== :

---

This SDS conforms with General Administrative Regulations of 6 Sept.1996 (SANS11014:2010/ISO11014:2009)  
 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 : 2015/01/27    Date of analysis : 2015/01/27)