



SAFETY DATA SHEET

Date issued 2015/01/27

9211 : MLX BC SPARKLE SILVER

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Code	9211	Product Name	MLX BC SPARKLE SILVER
Recommended use	A paint or paint constituent product		
	SOUTH AFRICA	AUSTRALIA	UNITED STATES OF AMERICA
	Manufacturer	Supplier	Supplier
Company Name	Chemical Specialities (Pty) Ltd	ChemSpec Coatings (Pty) Ltd	ChemSpec USA, Inc.
Address	2029 Old Mill Road Canelands Verulam 4340	Unit 4, 94 Delta Street Geebung QLD 4034	9287 Smucker Road Orrville, Ohio 44667
Telephone	+27 32 541 8600	+61 7 3865 6179	
Facsimile	+27 32 541 8704	+61 7 3865 6179	+1 330 669 3965
Emergency Contact			
Contact	+27 82 778 0569	+61 41 0685 981	800-424-9300 (CHEMTREC)
Contact number	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
- (H317) Sensitisation ^ Skin, Hazard Category 1
- (H351) Carcinogenicity, Hazard Category 2
- (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
 - May cause an allergic skin reaction
 - Suspected of causing cancer
 - 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.
Contaminated work clothing should not be allowed out of the workplace.
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.
If skin irritation or rash occurs: Get medical advice/attention.
Take off contaminated clothing and wash before reuse.
Wash contaminated clothing 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
N-BUTANOL	5-10 %	Xn	71-36-3	603-004-00-6
TOLUENE	5-10 %	F Xn	108-88-3	601-021-00-3
2-METHOXY-1-METHYLETHYL ACETATE	<20 %	-	108-65-6	607-195-00-7
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
WHITE SPIRIT (WS3)	<10 * %	Xn	64742-88-7	649-405-00-X

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
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
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
607-195-00-7	Flam. Liq. 3 H226
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
649-405-00-X	Asp. Tox. 1 H304

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 SPARKLE SILVER	Not applicable						
Components :							
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
N-BUTANOL	71-36-3	150	50	150	50	RL S	1.3
TOLUENE	108-88-3	188	50	560	150	RL+ S	1.9
2-METHOXY-1-METHYLETHYL ACETATE	108-65-6						
SOLVENT NAPHTHA LIGHT AROM (ARO1)	(Benzene < 0.1%)						
	64742-95-6*	1200				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	
WHITE SPIRIT (WS3)	64742-88-7	575	100	720	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 - 1 (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/lt
MLX BC SPARKLE SILVER	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)		
N-BUTANOL	71-36-3	790 mg (Rat)	3400 mg (Rabbit)		
TOLUENE	108-88-3	7000 mg (Rat)	>2000 mg (Rabbit)		
2-METHOXY-1-METHYLETHYL ACETATE	108-65-6				
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				
WHITE SPIRIT (WS3)	64742-88-7				

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 & 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
N-BUTANOL	71-36-3	LC50 Pimephales promelas 1,730 mg/l 96 h EC50 Daphnia magna: 1,983 mg/l; 48 h EC50 Daphnia magna: 1,983 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 h EC50 water flea = 11.3mg/L; 48 h

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

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		
USA (DOT)	UN1263		
CANADA (TDG)	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
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: : 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
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: : %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)
: 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)
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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.

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