

# **Solution** Solution Touch Up Spray Paint—Clear Anodized (Aerosol) Safety Data Sheet

**Section 1: Identification** 

#### **Product Identifier and Other Means of Identification**

Product Identifier: XS0876-ZE

Other Product Identifier: Touch Up Spray Paint—Clear Anodized (Aerosol)

Related Part # XS0876-ZE-140G, XS0876-ZE-340G

#### **Recommended Use and Restriction on Use**

Use: Touch up spray paint

Uses Advised Against: Not available

#### **Details of Manufacturer or Importer**

Manufacturer MG Chemicals

1210 Corporate Drive Burlington, Ontario L7L 5R6 CANADA MG Chemicals (Head Office) 9347-193 Street Surrey, British Columbia V4N 4E7 CANADA

**\*** +1-800-340-0772

 Fax
 +1-800-340-0773

 **E-MAIL** 

 www.mgchemicals.com

**+**1-905-331-1396

 **Fax +**1-905-331-2682

 **E-MAIL**

E-маіL (Competent Person): sds@mgchemicals.com

#### **Emergency Phone Number**

**For hazardous material incidents ONLY** (leaks, spills, fires, exposures or accidents) USA or CANADA—Call Verisk 3E at **+1-866-519-4752** or **+1-760-476-3962** (Service access code: 335388)

**For emergencies involving the transport of dangerous goods**; 24/7 service CANADA—Call CANUTEC collect at **+1-613-996-6666** or **\*666** on cellular phones



XS0876-ZE

TOUCH UP SPRAY PAINT—CLEAR ANODIZED (AEROSOL)

#### Section 2: Hazard(s) Identification

#### **Classification of Hazardous Chemical**

#### **GHS Categories**

Criteria		Category	Signal Word	Pictograms
Aspiration Hazard		1	Danger	Health
Specific Target Organ Toxicity	Repeated Exposure	2	Warning	Health
Carcinogenicity		2	Warning	Health
Reproductive Toxicity		2	Warning	Health
Flammable Aerosol		2	Warning	Flame
Gas Under Pressure		Liquefied Gas	Warning	Gas Cylinder
Skin Irritation		2	Warning	Exclamation
Eye Irritation		2	Warning	Exclamation
Specific Target Organ Toxicity	Single Exposure	3	Warning	Exclamation
Hazardous to the Aquatic Environment	Acute	3	none	none

Note: The degree of severity is ranked within each hazard class from

1 (Highest Severity) to up to 5 (Lowest Severity), which is opposite to HMIS and NFPA conventions. Severity category rankings do not allow comparisons between classes.

#### **Label Elements**

Signal Word	DANGER
Pictograms	Hazard Statements
	H304: May be fatal if swallowed and enters airways
	H373: May cause damage to organs (central nervous system, inner ear, liver, kidney) through prolonged or repeated exposure
	H351: Suspected of causing cancer
•	H361: Suspected of damaging fertility or the unborn child
	H223: Flammable aerosol



XS0876-ZE

TOUCH UP SPRAY PAINT-CLEAR ANODIZED (AEROSOL)

Pictograms	Hazard Statements
$\diamond$	H229: Pressurized container: may burst if heated
	H315: Causes skin irritation
	H319: Causes serious eye irritation
$\checkmark$	H336: May cause drowsiness or dizziness
No Symbol Mandated	H402: Harmful to aquatic life
Prevention	Precautionary Statements
P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, flames, and other ignition sources. No Smoking.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe mist, vapors, or spray.
P271	Use only outdoors or in a well-ventilated area.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P280	Wear protective gloves and eye protection or face protection.
1200	
P264	Wash hands thoroughly after handling.



# XS0876-ZE

TOUCH UP SPRAY PAINT-CLEAR ANODIZED (AEROSOL)

Continued	
Response	Precautionary Statements
P308 + P313	IF exposed or concerned: Get medical advice or attention.
P301 + P310, P331	IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting.
P302 + P352	IF ON SKIN: Wash with plenty water.
P332 + P313	If skin irritation occurs: Get medical advice or attention.
P304 + P340, P312	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTRE or doctor if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical advice or attention.
P314	Get medical advice or attention if you feel unwell.
P362 + P364	Take off contaminated clothing and wash it before reuse.
Storage	Precautionary Statements
P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C [122 °F].
P403	Store in well-ventilated place.
P405	Store locked up.
Disposal	Precautionary Statements
P501	Dispose of contents and container in accordance to local, regional, national, and international regulations.

# **Hazards Not Otherwise Classified**

Other Criteria	Hazard Statements/Precautionary Statement	Signal Word	Pictograms
Simple Asphyxiants	May displace oxygen and cause rapid suffocation.	Warning	None
Defats skin	Repeated exposure may cause skin dryness or cracking.	None	None



XS0876-ZE

TOUCH UP SPRAY PAINT-CLEAR ANODIZED (AEROSOL)

Section 3: Composition/Information on Ingredients		
CAS #	Chemical Name	%(weight)
29118-24-9	trans-1,3,3,3-tetrafluoroprop-1-ene	47%
67-64-1	acetone	20%
108-88-3	toluene	8%
110-19-0	isobutyl acetate	3%
110-43-0	heptan-2-one	3%
64-17-5	ethanol	2%
108-65-6	1-methoxy-2-propanol acetate	2%
141-78-6	ethyl acetate	1%
1330-20-7	xylene	1%
7429-9-5	aluminum powder	1%
8052-41-3	Stoddard solvent	0.3%
100-41-4	ethylbenzene	0.3%
		1

# Section 4: First-Aid Measures

Exposure Condition	GHS Code/Symptoms/Precautionary Statements	
IF SWALLOWED	P301 + P310, P331, P308 + P313	
Immediate Symptoms	nausea, sore throat, diarrhea, drowsiness, dizziness	
Response	IF SWALLOWED: Immediately call a POISON CENTER or doctor.	
	Do NOT induce vomiting.	
	IF exposed or concerned: Get medical advice or attention.	
IF INHALED	P304 + P340, P312, P308 + P313	
Immediate Symptoms	drowsiness, dizziness, cough, headaches, nausea, unconsciousness	
Response	Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTRE or doctor if you feel unwell.	
	IF exposed or concerned: Get medical advice or attention.	

Section continued on the next page

Page **5** of **19** Date: 02 March 2020 / Ver. 1.03



XS0876-ZE

TOUCH UP SPRAY PAINT-CLEAR ANODIZED (AEROSOL)

Continued...

IF IN EYES	P305 + P351 + P338, P337 + P313
Immediate Symptoms	irritation, redness, pain, blurred vision, possible cornea damage
Response	Rinse cautiously with water for at least 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	If eye irritation persists: Get medical advice or attention.
IF ON SKIN	P302 + P352, P332 + P313, P314
Immediate Symptoms	dry skin, redness, irritation
Response	Wash with plenty of water.
	If skin irritation occurs: Get medical advice or attention.

Get medical advice or attention if you feel unwell.

# **Section 5: Fire-Fighting Measures**

Extinguishing Media	In case of fire: Use dry chemical, carbon dioxide, chemical foam, or water spray to extinguish.
	Use water spray to cool containers.
Specific Hazards	Aerosols containers may erupt with force at temperatures above 50 °C [122 °F].
	Produces irritating and toxic fumes in fires or in contact with hot surfaces.
	The vapors are heavier than air and may accumulate in low- lying areas. Vapors may travel long distances and ignite at an ignition source, which can cause a flashback or an explosion.
<b>Combustion Products</b>	Produces carbon oxides (CO, $CO_2$ ), halogenated compounds, and hydrogen fluorides.
Fire-Fighter	Wear self-contained breathing apparatus and full fire-fighting turn-out gear.



#### XS0876-ZE

TOUCH UP SPRAY PAINT-CLEAR ANODIZED (AEROSOL)

#### **Section 6: Accidental Release Measures**

Personal Protection	See personal protection recommendations in Section 8.
Precautions for Response	Do not breathe the mist, spray, or vapors. Remove or keep away all sources of extreme heat or open flames.
Environmental Precautions	Avoid releasing to the environment. Prevent spill from entering drains and waterways.
<b>Containment Methods</b>	Not applicable
Cleaning Methods	Collect liquid in a sealable, solvent-resistant container. Sprinkle inert absorbent compound onto spill, then sweep into the container. Wash spill area with soap and water to remove the last traces of residue.
Disposal Methods	Dispose of spill waste according to Section 13.

#### Section 7: Handling and Storage

Prevention	Keep out of reach of children.
	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.
	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
	Do not spray on open flame or other ignition source. Do not pierce or burn, even after use.
	Do not breathe mist, vapors, or spray. Use only outdoors or in a well-ventilated area.
	Avoid release to the environment.
Handling	Wear protective gloves and eye protection or face protection.
	Wash hands thoroughly after handling.
Storage	Protect from sunlight. Do not expose to temperatures exceeding 50 °C [122 °F]. Store in well-ventilated place.
	Store locked up.



#### XS0876-ZE

#### TOUCH UP SPRAY PAINT-CLEAR ANODIZED (AEROSOL)

#### **Section 8: Exposure Controls/Personal Protection**

#### **Substances with Occupational Exposure Limit Values**

Chemical Name	Country/ Provinces	Long Term Exposure Limits (PEL)	Short Term Exposure Limits (STEL)
trans-1,3,3,3-	MG Chemicals a)	800 ppm	Not established
tetrafluoroprop-1-ene	ACGIH	Not established	Not established
	U.S.A. OSHA PEL	Not established	Not established
	Canada	Not established	Not established
acetone	ACGIH	500 ppm	750 ppm
	U.S.A. OSHA PEL	1 000 ppm	Not established
	Canada AB	500 ppm	750 ppm
	Canada BC	250 ppm	500 ppm
	Canada ON	500 ppm	750 ppm
	Canada QC	750 ppm	1 000 ppm
toluene	ACGIH	20 ppm	Not established
	U.S.A. OSHA PEL	200 ppm	300 ppm
	Canada AB	50 ppm	Not established
	Canada BC	20 ppm	Not established
	Canada ON	20 ppm	Not established
	Canada QC	100 ppm	150 ppm
isobutyl acetate	ACGIH	150 ppm	Not established
	U.S.A. OSHA PEL	150 ppm	Not established
	Canada AB	150 ppm	Not established
	Canada BC	150 ppm	Not established
	Canada ON	150 ppm	Not established
	Canada QC	150 ppm	Not established
heptan-2-one	ACGIH	50 ppm	Not established
	U.S.A. OSHA PEL	100 ppm	Not established
	Canada AB	50 ppm	Not established
	Canada BC	50 ppm	Not established
	Canada ON	25 ppm	Not established
	Canada QC	50 ppm	Not established
ethanol	ACGIH	Not established	1 000 ppm
	U.S.A. OSHA PEL	1 000 ppm	Not established
	Canada AB	1 000 ppm	Not established
	Canada BC	Not established	1 000 ppm
	Canada ON	Not established	1 000 ppm
	Canada QC	1 000 ppm	Not established

a) Manufacture's recommended limit.



XS0876-ZE

# TOUCH UP SPRAY PAINT-CLEAR ANODIZED (AEROSOL)

Continued...

Chemical Name	Country/ Provinces	Long Term Exposure Limits (PEL)	Short Term Exposure Limits (STEL)
1-methoxy-2-propanol ACGIH		Not established Not established	
acetate	U.S.A. OSHA WEEL	50 ppm	Not established
	Canada AB	Not established	Not established
	Canada BC	50 ppm	75 ppm
	Canada ON	50 ppm	Not established
	Canada QC	Not established	Not established
ethyl acetate	ACGIH	400 ppm	Not established
	U.S.A. OSHA PEL	400 ppm	Not established
	Canada AB	400 ppm	Not established
	Canada BC	150 ppm	Not established
	Canada ON	Not established	Not established
	Canada QC	400 ppm	Not established
xylene	ACGIH	100 ppm	150 ppm
	U.S.A. OSHA PEL	100 ppm	Not established
	Canada AB	100 ppm	150 ppm
	Canada BC	100 ppm	150 ppm
	Canada ON	100 ppm	150 ppm
	Canada QC	100 ppm	150 ppm
aluminium powder	ACGIH <sup>b)</sup>	10 mg/m <sup>3</sup>	Not established
	U.S.A. OSHA PEL <sup>b)</sup>	15 mg/m <sup>3</sup>	Not established
	Canada AB <sup>c)</sup>	5 mg/m <sup>3</sup>	Not established
	Canada BC <sup>b)</sup>	1 mg/m <sup>3</sup>	Not established
	Canada ON <sup>b)</sup>	1 mg/m <sup>3</sup>	Not established
	Canada QC <sup>c)</sup>	5 mg/m <sup>3</sup>	Not established
Stoddard solvent	ACGIH	100 ppm	Not established
	U.S.A. OSHA PEL	500 ppm	Not established
	Canada AB	100 ppm	Not established
	Canada BC	290 mg/m <sup>3</sup>	580 mg/m <sup>3</sup>
	Canada ON	100 ppm	Not established
	Canada QC	100 ppm	Not established

b) Respirable

c) Pyro powder



#### TOUCH UP SPRAY PAINT-CLEAR ANODIZED (AEROSOL)

Continued...

Chemical Name	Country/ Provinces	Long Term Exposure Limits (PEL)	Short Term Exposure Limits (STEL)	
ethylbenzene	ACGIH	20 ppm	Not established	
	U.S.A. OSHA PEL	100 ppm	Not established	
	Canada AB	100 ppm	125 ppm	
	Canada BC	20 ppm (2B)	Not established	
	Canada ON	100 ppm	125 ppm	
	Canada QC	100 ppm	125 ppm	

*Note:* Ingredients are listed in descending weight contribution order (from greatest to least). The ACGIH<sup>1</sup>, OSHA (Table Z-1), and Canadian provinces exposure limits were consulted. Limits from the RTECS database<sup>2</sup> and from suppliers' SDS were also consulted. Short term exposure limits (STEL) are for 15 min and long term permissible exposure limits (PEL) for 8 h.

(2B) Carcinogen

#### **Engineering Controls**

Ventilation	Keep airborne concentrations below the occupational exposure
	limits (OEL).

#### **Personal Protective Equipment**

Eye protection	Wear appropriate protective eyeglasses or chemical safety goggles.
	<b>Recommendation:</b> Ensure that glasses have side shields for lateral protection.
Skin Protection	For likely contacts, use of protective butyl rubber, fluorinated rubber, or other chemically resistant gloves.
	For incidental contacts, use nitrile, neoprene, or other chemically resistant gloves.



#### **XS0876-ZE** Touch Up Spray Paint—Clear Anodized (Aerosol)

# **Respiratory Protection** For over-exposures up to 10 x OEL of mist, vapors, or spray, wear respirator such as a half-mask respirator with organic vapor cartridges.

Above 10 x OEL, use a positive-pressure, air-supplied respirator or a self-contained breathing apparatus.

**RECOMMENDATION:** Consult your local safety supply store to ensure that your respirator has a NIOSH (U.S.) approved filter cartridges appropriate for the ingredients listed in Section 3. The respirator should be fitted to the employee by a professional. Ensure vapor cartridges are stored in sealed plastic bags when not being used.

#### **General Hygiene Considerations**

Wash hands thoroughly with water and soap after handling.

#### **Section 9: Physical and Chemical Properties**

Physical State	Liquid, in aerosol format	Lower Flammability Limit <sup>a)</sup>	1%
Appearance	Clear, metallic	Upper Flammability Limit <sup>a)</sup>	13%
Odor	Ethereal	Vapor Pressure @20 °C <sup>b)</sup>	~131 hPa [~98 mmHg]
Odor Threshold	Not available	Vapor Density	>2 (Air =1)
рН	Not available	Relative Density @25 °C	0.88
Freezing/Melting Point	Not available	Solubility in Water	Partially soluble
Initial Boiling Point <sup>a)</sup>	≥56 °C [≥132 °F]	Partition Coefficient n-octanol/water	Not available
Flash Point <sup>a)</sup>	-17 °C [-1.4 °F]	Auto-ignition Temperature <sup>c)</sup>	≥330 °C [≥626 °F]
Evaporation Rate	fast	Decomposition Temperature	Not available
Flammability	Not available	Viscosity @40 °C	<20.5 mm <sup>2</sup> /s

a) Values based on acetone component.

b) Calculated based on volatile liquid components.

c) Values based on 2-methoxy-1-methylethyl acetate



XS0876-ZE

TOUCH UP SPRAY PAINT—CLEAR ANODIZED (AEROSOL)

#### Section 10: Stability and Reactivity

Reactivity	Not available
Chemical Stability	Chemically stable at normal temperatures and pressures
Conditions to Avoid	Temperatures above 50 °C [122 °F], open flames, and incompatible substances
Incompatibilities	Oxidizing agents, strong acids, strong bases, alkali, alkali metals, peroxides, halogens, vinyl chloride, and iodine pentafluoride
Polymerization	Will not occur
Decomposition	Will not decompose under normal conditions. For thermal decomposition, see combustion products in Section 5

# Section 11: Toxicological Information

#### Summary of Effects and Symptoms by Routes of Exposure

Ingestion	May cause nausea, sore throat, and diarrhea (see inhalation symptoms).
Inhalation	May cause drowsiness, dizziness, cough, headaches, nausea, or unconsciousness.
Eyes	May cause redness and severe irritation
Skin	May cause skin redness, irritation, and dry skin.
Chronic	Prolonged or repeated exposure may cause skin dryness, cracking, as well as defatting the skin.
	Ingestion or inhalation of paint material, mist, or vapor during pregnancy may increase the chances fetal death and developmental defects.

#### Acute Toxicity (Lethal Exposure Concentrations)

Chemical Name	LD50	LD50	LC50
	oral	dermal	inhalation
trans-1,3,3,3-	Not	Not	>207 000 ppm
tetrafluoroprop-1-ene	available	available	4 h Rat <sup>a)</sup>
acetone	5 800 mg/kg	20 mL/kg	16 000 ppm
	Rat	Rabbit <sup>a)</sup>	6h Rat

Section continued on the next page

Page **12** of **19** Date: 02 March 2020 / Ver. 1.03



#### TOUCH UP SPRAY PAINT-CLEAR ANODIZED (AEROSOL)

Continued...

Chemical Name	LD50	LD50	LC50
	oral	dermal	inhalation
toluene	636 mg/kg	12 124 mg/kg	49 g/m³
	Rat	Rabbit	4h Rat
isobutyl acetate	13 400 mg/kg	>17 400 mg/kg	>13.24 mg/L
	Rat	Rabbit	6 h Rat
heptan-2-one	1 670 mg/kg	12 600 μL/kg	Not
	Rat	Rabbit	available
ethanol	7 060 mg/kg	Not	20 000 ppm
	Rat	available	10 h Rat
1-methoxy-2-propanol acetate	8 532 mg/kg	>5 g/kg	Not
	Rat	Rabbit	available
ethyl acetate	5 620 mg/kg	>20 000 µL/kg	45 g/m <sup>3</sup>
	Rat	Rabbit	2 h Mouse
xylene	4 350 mg/kg	>1 700 mg/kg	5 000 ppm
	Rat	Rabbit	4 h Rat
Stoddard solvent	>5 000 mg/kg	>3 000 mg/kg	14 000 ppm
	Rat	Rat	8 h Rat
ethylbenzene	3 500 mg/kg	>5 000 mg/kg	35 500 mg/m <sup>3</sup>
	Rat	Rabbit	2 h Mouse

*Note:* Toxicity data from the RTECS<sup>2</sup> and ECHA databases were consulted. The data from supplier SDSs were also consulted.

a) According to supplier safety data sheet.

b) Lethal dose

#### **Other Toxicological Effects**

Skin corrosion/irritation	Toluene and xylenes causes skin irritation based on Draize tests on animals.
Serious eye damage/irritation	Acetone, ethanol, and ethyl acetate are known serious eye irritants.
Sensitization (allergic reactions)	Based on available data, the classification criteria are not met.



XS0876-ZE

Carcinogenicity

(risk of cancer)

#### TOUCH UP SPRAY PAINT—CLEAR ANODIZED (AEROSOL)

#### Ethanol [64-17-5]

IARC Group 1: Carcinogenic to human when consumed as beverage.

ACGIH A3: Confirmed animal carcinogen with unknown relevance to humans

CA Prop 65: Listed as a carcinogen when consumed as a beverage

NTP: Not listed

#### Ethylbenzene [100-41-4]

rat by inhalation of toluene.

IARC Group 2B: Possibly carcinogenic to humans

ACGIH A3: Confirmed animal carcinogen with unknown relevance to humans

Based on available data, the classification criteria are

At high doses, spermatogenisis was observed in male

Fetotoxicity is observed in animal studies for inhalation

CA Prop 65: Listed as a carcinogen

NTP: Not listed

not met.

#### **Mutagenicity**

(risk of heritable genetic effects)

**Reproductive Toxicity** (risk to sex functions)

**Teratogenicity** (risk of fetus malformation)

STOT-single exposure

STOT-repeated exposure

and oral exposures for toluene. Extreme consumption of ethanol also presents risks for the newborn.

Acetone, toluene, 1-methoxy-2-propanol acetate, isobutyl acetate, heptan-2-one, ethyl acetate, and xylenes can affect the central nervous system by inhalation causing drowsiness or dizziness.

Contains Stoddard solvent, which is classified by European authorities as a Cat 1 STOT RE toxicant with respect to the central nervous system.

Contains toluene, which is a Cat 2 STOT repeated exposure hazard for the central nervous system and cochlear systems.

Toluene and xylenes are ototoxic chemicals according to rat studies: inhalation exposure in the presence of noise may lead to cochlear impairment.

Aspiration hazardThe liquid is content is classified as Cat 1 aspiration<br/>hazards. It is composed of >10% Cat 1 substances, and<br/>the kinematic viscosity is <20.5 mm²/s at 40 °C.</th>



#### XS0876-ZE

#### TOUCH UP SPRAY PAINT-CLEAR ANODIZED (AEROSOL)

#### **Section 12: Ecological Information**

Ecological classifications are based on the IMDG/GHS criteria in conjunction with ecotoxicological data from our suppliers, the European Chemical Agency database (<u>http://echa.europa.eu</u>), and other reliable sources.

Acetone is not classifiable as an aquatic toxicant. It has a minimal LC50 96 h of 5 540 mg/L for Oncorhynchus mykiss (rainbow trout); EC50 48 h of 13 500 mg/L Daphnia magna (water flea).

Toluene is an acute category 2 aquatic toxicant. It has a minimal LC50 96 h of 7.63 mg/L for Oncorhynchus mykiss (rainbow trout); EC50 24 h of 8.9 mg/L Daphnia magna (water flea); and EC50 24 h of 10 mg/L Pseudokirchneriella subcapitata (green algae).

The 1-methoxy-2-propanol acetate component is an acute category 3 aquatic toxicant. It has a minimal LC50 96 h of  $\geq$ 100 mg/L Oncorhynchus mykiss (rainbow trout).

Ethylbenzene is acutely toxic to the aquatic environment of category 2 with minimal LC50 96 h of 4.2 mg/L for Oncorhynchus mykiss (rainbow trout); EC50 48 h 2.9 mg/L Daphnia magna (water flea).

The xylene isomers mixture is acutely toxic to the aquatic environment of category 2 with a minimal LC50 96 h of 2.5 mg/L for Oncorhynchus mykiss

Isobutyl acetate, heptan-2-one, ethanol, and ethyl acetate are not classifiable as an environmental toxicant with minimal LC50 of >100 mg/L.

- Heptan-2-one has a minimal LC50 96 h of 126 mg/L for Pimephales promelas (fathead minnow).
- Ethanol is biodegradable and has minimal LC50 of 12 000 mg/L 96 h for Oncorhynchus mykiss (rainbow trout) and 5 770 mg/L for Pimephales promelas (fathead minnow); and an LC50 24 h of 5 012 mg/L for Ceriodaphnia spp (water flea).
- Ethyl acetate is biodegradable and has a minimal LC50 96 h of 220 mg/L for Pimephales promelas (fathead minnow); LC50 24 h of 560 mg/L and an EC50 48 h of 2 300 mg/L for Daphnia magna (water flea); and an EC50 72 h of 1 800 mg/L for Selenastrum (green algae).

## **Acute Ecotoxicity**

Harmful to aquatic life

Avoid release to the environment.

#### **Chronic Ecotoxicity**

Available toxicity data does not meet classification thresholds.

Section continued on the next page

Page **15** of **19** Date: 02 March 2020 / Ver. 1.03



#### XS0876-ZE

#### TOUCH UP SPRAY PAINT-CLEAR ANODIZED (AEROSOL)

#### **Biodegradability**

Expected to be biodegradable. The volatile solvent constituents will oxidize rapidly in air by photochemical reaction.

#### **Other Effects**

Actual VOC (Volatile Organic Compounds) content according to the US (EPA) and Canadian (CEPA) authorities.

Actual volatile organic compound (VOC) content = 23% [235 g/L]

#### **Section 13: Disposal Information**

Dispose of contents in accordance with all local, regional, national, and international regulations.

#### **Section 14: Transport Information**

#### Ground

**Refer to TDG** (Canadian Transportation of Dangerous Goods regulations) and **USA DOT 49 CFR** (Parts 100 to 185) **Regulations.** 

#### Limited Quantity



#### Air

**Refer to ICAO-IATA Dangerous Goods Regulations.** 

Limited Quantity Max Net Qty/Pkg = 30 kg Gross



UN number: UN1950 Shipping Name: AEROSOLS, flammable Class: 2.1 Packing Group: Not applicable Marine Pollutant: No

Section continued on the next page

Page **16** of **19** Date: 02 March 2020 / Ver. 1.03

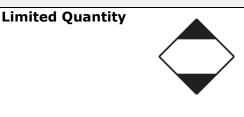


#### XS0876-ZE

TOUCH UP SPRAY PAINT-CLEAR ANODIZED (AEROSOL)

#### Sea

#### Refer to IMDG regulations.



UN number: UN1950 Shipping Name: AEROSOLS, flammable Class: 2.1 Packing Group: Not applicable Marine Pollutant: No

# *Note:* Shipper must be appropriately <u>trained and certified</u> before involvement with the transport of dangerous goods.

#### **Section 15: Regulatory Information**

#### Canada

#### Domestic Substance List (DSL) / Non-Domestic Substance Lists (NDSL)

All hazardous ingredients are listed on the DSL.

#### Hazardous Products Act (R.S.C., 1985, c. H-3)

The safety data sheet and label comply with the Hazardous Product Act and WHMIS 2015.

#### USA

#### **Other Classifications**

#### HMIS® RATING

HEALTH:	*	2
FLAMMABILITY:		3
PHYSICAL HAZARD:		0
PERSONAL PROTECTION:		

NFPA® 704 CODES



Approximate HMIS and NFPA Risk Ratings Legend: 0 (Low or none); 1 (Slight); 2 (Moderate); 3 (Serious); 4 (Severe)

Section continued on the next page

Page **17** of **19** Date: 02 March 2020 / Ver. 1.03



#### TOUCH UP SPRAY PAINT-CLEAR ANODIZED (AEROSOL)

**CAA** (Clean Air Act, USA)

This product does not contain any class 1 ozone depleting substances.

This product does not contain any class 2 ozone depleting substances.

This product contains toluene, xylene, and ethylbenzene which are listed as hazardous air pollutants.

**EPCRA** (Emergency Planning and Right to Know Act, USA, 40 CFR 372.45)

This product contains ethylbenzene (CAS # 100-41-4; reportable quantity = 1 000 lb), toluene (CAS# 108-88-3; reportable quantity = 1 000 lb), and xylene (CAS# 1330-20-7, reportable quantity = 100 lb), which are subject to the reporting requirements of section 313 Title III of the SARA of 1986 and 40 CFR part 372.

This product contains acetone (CAS# 67-64-1), isobutyl acetate (CAS# 110-19-0) and ethyl acetate (CAS# 141-78-6), which are subject to the CERCLA reporting requirements at the 5 000 lb (2 268 kg) threshold.

TSCA (Toxic Substances Control Act of 1976, USA)

All substances are TSCA listed.

**California Proposition 65** (Chemicals known to cause cancer or reproductive toxicity, USA).

This product contains toluene, which is listed as reproductively toxic in California.

This product contains ethylbenzene, which is listed as a carcinogen in California.

This product contains ethanol, which is listed as reproductively toxic and as a carcinogen when in an alcoholic beverage.

#### Europe

RoHS (Restriction of Hazardous Substances Directive)

This product does not contain any lead, cadmium, mercury, hexavalent chromium, PBB's, PBDE's, DEHP, BBP, DBP, or DIBP and complies with European RoHS regulations.

WEEE (Waste Electrical and Electronic Equipment Directive)

This product is not a piece of electrical or electronics equipment, and is therefore not governed by this regulation.

#### Section 16: Other Information

SDS Prepared by	Regulatory Department
Date of Review	02 March 2020
Supersedes	16 May 2018
Reason for Changes:	Change to emergency phone number.
	Section continued on the next page

Page **18** of **19** Date: 02 March 2020 / Ver. 1.03



#### TOUCH UP SPRAY PAINT-CLEAR ANODIZED (AEROSOL)

#### Reference

1) ACGIH 2017 TLVs and BEIs: Based on the documentation of the threshold limit values for chemical substances and physical agents & biological exposure indices, American Conference of Governmental of Industrial Hygienist Cincinnati, OH (2017).

2) All toxicological data were checked against the RTECS (Registry of Toxic Effects of Chemical Substances®)

#### Abbreviations

ACGIH American Conference of Governmental Industrial Hygienists (USA)

- EC50 Half maximal effective concentration
- EL50 Half maximal effective loading
- IARC International Agency for Research on Cancer
- NOELR No observable effect loading ratio
- NTP National Toxicology Program
- GHS Globally Harmonized System of Classification of Labeling of Chemicals
- LC50 Lethal Concentration 50%
- LCLo Lowest published lethal concentration
- LD50 Lethal Dose 50%
- OEL Occupational Exposure Limit
- PEL Permissible Exposure Limit
- SDS Safety Data Sheet
- STEL Short-Term Exposure Limit
- TCLo Lowest published toxic concentration
- TWA Time Weighted Average
- VOC Volatile Organic Content
- **Technical Queries** Contact us regarding any questions, improvement suggestions, or problems with this product. Application notes, instructions, and FAQs are located at <u>www.mgchemicals.com</u>.

Email: <a href="mailto:support@mgchemicals.com">support@mgchemicals.com</a>

Mailing Addresses	Manufacturing & Support 1210 Corporate Drive	Head Office 9347–193rd Street
	Burlington, Ontario, Canada L7L 5R6	Surrey, British Columbia, Canada V4N 4E7

**Disclaimer** This safety data sheet is provided as an information resource only. *M.G. Chemicals, Ltd.* believes the information contained herein is accurate and compiled from reliable sources. It is the responsibility of the user to query and verify any information seeming suspect where doubt on the validity may exist. The buyer assumes all responsibility of using and handling the product in accordance with local, regional, national, and international regulations.