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SAFETY DATA SHEET

ACY MET. SILVER 877C

Section 1. Identification			
CHS maduat identifian		ACY MET. SILVER 877C	
GHS product identifier	•		
Chemical name	:	Mixture	
CAS number	:	Mixture	
Other means of identification	:	CC10218442	
Product type	:	solid	
Relevant identified uses of the subst	ance	or mixture and uses advised against	
Product use	:	Industrial applications. Plastics.	
Supplier's details	:	POLYONE CORPORATION	
		33587 Walker Road, Avon Lake, OH 44012	
		1 (440) 930-1000 or 1 (866) POLYONE	
Emergency telephone number (with hours of operation)	:	CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or accident).CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or accident).	

Section 2. Hazards identification

This mixture has not been evaluated as a whole. Information provided on the health effects of this product is based on individual components. All ingredients are bound and potential for hazardous exposure as shipped is minimal. However, some vapors may be released upon heating and the end-user (fabricator) must take the necessary precautions (mechanical ventilation, respiratory protection, etc.) to protect employees from exposure. After handling, always wash hands thoroughly with soap and water.

OSHA/HCS status	:	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
Classification of the substance or mixture	:	Not classified.
GHS label elements		

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Signal word Hazard statements	:	No signal word. No known significant effects or critical hazards.
Precautionary statements		
General	:	Not applicable.
Prevention	:	Not applicable.
Response	:	Not applicable.
Storage	:	Not applicable.
Disposal	:	Not applicable.
Supplemental label elements	:	None known.
Hazards not otherwise classified	:	None known.

Section 3. Composition/information on ingredients

Substance/mixture	:	Mixture
Chemical name	:	Mixture
Other means of identification	:	CC10218442

CAS number/other identifiers

Ingredient name	%	CAS number
2-Propenoic acid, 2-methyl-, methyl ester	0.1 - 1	80-62-6

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact

: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.



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Inhalation	:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Skin contact	:	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	:	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact Inhalation Skin contact Ingestion	::	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Over-exposure signs/symptoms		
Eye contact	:	No specific data.
Inhalation	:	No specific data.
Skin contact	:	No specific data.
Ingestion	:	No specific data.
Indication of immediate medical at	tentio	n and special treatment needed, if necessary

Notes to physician Specific treatments	:	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. No specific treatment.
Protection of first-aiders	:	No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media	:	In case of fire, use water spray (fog), foam, dry chemical or CO ₂ .
Unsuitable extinguishing media	:	None known.



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Specific hazards arising from the chemical Hazardous thermal decomposition products	:	No specific fire or explosion hazard. Decomposition products may include the following materials: metal oxide/oxides
Special protective actions for fire- fighters	:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	:	Fire-fighters should wear appropriate protective equipment and self- contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel For emergency responders	:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment. If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".	
Environmental precautions	:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).	
Methods and materials for containment and cleaning up			
Small spill	:	Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.	
Large spill	:	Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.	

Section 7. Handling and storage

Precautions for safe handling



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Protective measures Advice on general occupational hygiene	:	Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Conditions for safe storage, including any incompatibilities	:	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
2-Propenoic acid, 2-methyl-, methyl ester	OSHA PEL 1989 (1989-03-01) PEL: Permissible Exposure Level 410 mg/m3 100 ppm OSHA PEL (1993-06-30) PEL: Permissible Exposure Level 410 mg/m3 100 ppm NIOSH REL (1994-06-01) Time Weighted Average (TWA) 410 mg/m3 100 ppm ACGIH TLV (2000-03-01) TLV-TWA: Threshold Limit Value - Time weighted average PEL: Permissible Exposure Level 50 ppm TLV-STEL: Threshold Limit Value - Short Time Exposure Level 100 ppm
Appropriate engineering controls :	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
Environmental exposure controls :	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

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Hygiene measures Eye/face protection	pr of re clo sh : Sa wl lic fo	ash hands, forearms and face thoroughly after handling chemical oducts, before eating, smoking and using the lavatory and at the end the working period. Appropriate techniques should be used to move potentially contaminated clothing. Wash contaminated othing before reusing. Ensure that eyewash stations and safety owers are close to the workstation location. Ifety eyewear complying with an approved standard should be used nen a risk assessment indicates this is necessary to avoid exposure to juid splashes, mists, gases or dusts. If contact is possible, the llowing protection should be worn, unless the assessment indicates a gher degree of protection: safety glasses with side-shields.
Skin protection		
Hand protection	sta	nemical-resistant, impervious gloves complying with an approved andard should be worn at all times when handling chemical products a risk assessment indicates this is necessary.
Body protection	: Pe on	a risk assessment indicates this is necessary. prior and protective equipment for the body should be selected based the task being performed and the risks involved and should be proved by a specialist before handling this product.
Other skin protection	: Aj sh in	ppropriate footwear and any additional skin protection measures ould be selected based on the task being performed and the risks volved and should be approved by a specialist before handling this oduct.
Respiratory protection	: Us ap Re lev	se a properly fitted, particulate filter respirator complying with an proved standard if a risk assessment indicates this is necessary. espirator selection must be based on known or anticipated exposure wels, the hazards of the product and the safe working limits of the lected respirator.

Section 9. Physical and chemical properties

Appearance

Physical state	solid [Pellets.]	
Color	: GREY	
Odor	: Faint odor.	
Odor threshold	: Not available.	
рН	: Not available.	
Melting point	: Not available.	
Boiling point	: Not available.	
Flash point	: Not available.	
Burning time	: Not available.	
Burning rate	: Not available.	
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Evaporation rate	:	Not available.
Flammability (solid, gas)	:	Not available.
Lower and upper explosive	:	Lower: Not available.
(flammable) limits		Upper: Not available.
Vapor pressure	:	Not available.
Vapor density	:	Not available.
Relative density	:	Not available.
Solubility	:	Not available.
Solubility in water	:	insoluble in water.
Partition coefficient: n- octanol/water	:	Not available.
Auto-ignition temperature	:	Not available.
Decomposition temperature	:	Not available.
SADT	:	Not available.
Viscosity	:	Dynamic: Not available.
		Kinematic: Not available.

Section 10. Stability and reactivity

Reactivity	:	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	:	Stable under recommended storage and handling conditions (see Section 7).
Possibility of hazardous reactions	:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	:	Keep away from extreme heat and oxidizing agents.
Incompatible materials	:	Keep away from strong acids. Oxidizer.
Hazardous decomposition products	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

This mixture has not been evaluated as a whole for health effects. Exposure effects listed are based on existing health data for the individual components which comprise the mixture.

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
2-Propenoic acid, 2-methyl-, n	nethyl ester			
	LD50 Oral	Rat	7,872 mg/kg	-



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	LC50 Inhalatio		•	78 mg/l	/1	4 h
	LD50 Dermal	Rabb		5,000 mg	g/kg	-
Conclusion/Summary	: M	ixture.Not	fully tested.			
Irritation/Corrosion						
Conclusion/Summary						
Skin			fully tested.			
Eyes			fully tested.			
Respiratory	: M	ixture.Not	fully tested.			
Sensitization						
Conclusion/Summary						
Skin	: M	ixture.Not	fully tested.			
Respiratory	: M	ixture.Not	fully tested.			
Mutagenicity						
Conclusion/Summary	: M	ixture.Not	fully tested.			
Carcinogenicity						
Conclusion/Summary Classification	: M	ixture.Not	fully tested.			
Product/ingredient	OSHA	IARC	NTP			
name						
2-Propenoic acid, 2-		3				
methyl-, methyl ester						
<u>Reproductive toxicity</u>						
Conclusion/Summary	: M	ixture.Not	fully tested.			
Teratogenicity						
Conclusion/Summary	: M	ixture.Not	fully tested.			
Specific target organ toxicit	v (single exposu	re)				
Product/ingredient name	Category	<u> </u>	Route of exp	osure 7	Target organ	15
2-Propenoic acid, 2-methyl-,	Category 3		· · · · · · · · · · · · · · · · · · ·			act irritation
r i i i i i i i i i i i i i i i i i i i	0-1-			-	· · · · · · · · · · · · · · · · · · ·	

Specific target organ toxicity (repeated exposure)

Not available.

methyl ester

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Aspiration hazard Not available.		
Information on the likely routes of exposure	:	Not available.
Potential acute health effects		
Eye contact	:	No known significant effects or critical hazards.
Inhalation	:	No known significant effects or critical hazards.
Skin contact	:	No known significant effects or critical hazards.
Ingestion	:	No known significant effects or critical hazards.
Symptoms related to the physical, cl	nemio	cal and toxicological characteristics
Eye contact	:	No specific data.
Inhalation	:	No specific data.
Skin contact	:	No specific data.
Ingestion	:	No specific data.
Delayed and immediate effects and a Short term exposure	<u>also c</u>	chronic effects from short and long term exposure
Potential immediate effects	:	Not available.
Potential delayed effects	:	Not available.
Long term exposure		
Potential immediate effects	:	Not available.
Potential delayed effects	:	Not available.
Potential chronic health effects		
Conclusion/Summary	:	Mixture.Not fully tested.
General	:	No known significant effects or critical hazards.
Carcinogenicity	:	No known significant effects or critical hazards.
Mutagenicity	:	No known significant effects or critical hazards.
Teratogenicity	:	No known significant effects or critical hazards.
Developmental effects	:	No known significant effects or critical hazards.
Fertility effects	:	No known significant effects or critical hazards.

Numerical measures of toxicity

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Acute toxicity estimates

Not available.

Section 12. Ecological information

Toxicity

Product/ingredient name	Result		Species	Exposure
2-Propenoic acid, 2-methyl-, n	nethyl ester			
	Acute LC5	0 159,100 µg/l Fresh	Fish - Fathead minnow	96 h
	water			
	Acute LC5	0 191,000 µg/l Fresh	Fish - Bluegill	96 h
	water		-	
	Acute LC5	0 130,000 µg/l Fresh	Fish - Fathead minnow	96 h
	water			
	Acute LC5	0 150,000 µg/l Fresh	Fish - Fathead minnow	96 h
	water			
	Acute LC5	0 160,200 µg/l Fresh	Fish - Fathead minnow	96 h
	water			
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Remarks - Acute - Aquatic	Chemicals	are not readily available	as they are bound within the	polymer matrix.
invertebrates.:		-	-	
Conclusion/Summary	:			
		polymer matrix.		
Persistence and degradability	<u>Y</u>			
Conclusion/Summary	:		ly available as they are bound	nd within the
		polymer matrix.		
Conclusion/Summary	:		ly available as they are bound	nd within the
		polymer matrix.		

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
2-Propenoic acid, 2-methyl-,	1.38	-	low
methyl ester			

Mobility in soil



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Soil/water partition coefficient	:	Not available.
(KOC)		
Other adverse effects	:	No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods	:	The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some
		product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

United States - RCRA Acute hazardous waste "P" List: Not listed

United States - RCRA Toxic hazardous waste "U" List: Not listed

Section 14. Transport information

U.S. DOT Classification	:	Not regulated for transportation.
ICAO/IATA	:	Not classified as dangerous good under transport regulations.
IMO/IMDG (maritime)	:	Not classified as dangerous good under transport regulations.

Section 15. Regulatory information

U.S. Federal regulations	:	United States - TSCA 12(b) - Chemical export notification: None of the components are listed.
		United States - TSCA 4(a) - Final Test Rules: Not listed
		United States - TSCA 4(a) - ITC Priority list: Not listed
		United States - TSCA 4(a) - Proposed test rules: Not listed
		United States - TSCA 4(f) - Priority risk review: Not listed
		United States - TSCA 5(a)2 - Final significant new use rules: Not
		listed



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United States - TSCA 5(a)2 - Proposed significant new use rules: Not listed United States - TSCA 5(e) - Substances consent order: Not listed United States - TSCA 6 - Final risk management: Not listed United States - TSCA 6 - Proposed risk management: Not listed United States - TSCA 8(a) - Chemical risk rules: Not listed United States - TSCA 8(a) - Chemical Data Reporting (CDR): Not determined United States - TSCA 8(a) - Preliminary assessment report (PAIR): Not listed United States - TSCA 8(c) - Significant adverse reaction (SAR): Not listed United States - TSCA 8(d) - Health and safety studies: Not listed United States - TSCA 8(a) - Dioxin/Furane precusor: Not listed United States - EPA Clean water act (CWA) section 307 - Priority pollutants: Listed Benzene, methyl-United States - EPA Clean water act (CWA) section 311 -Hazardous substances: Listed United States - EPA Clean air act (CAA) section 112 - Accidental release prevention - Flammable substances: Not listed United States - EPA Clean air act (CAA) section 112 - Accidental release prevention - Toxic substances: Not listed United States - Department of commerce - Precursor chemical: Not listed Not listed Clean Air Act Section 112(b) : T-----

Hazardous Air Pollutants (HAPs)		
Clean Air Act Section 602 Class I	:	Not listed
Substances		
Clean Air Act Section 602 Class II	:	Not listed
Substances		
DEA List I Chemicals (Precursor	:	Not listed
Chemicals)		
DEA List II Chemicals (Essential	:	Not listed
Chemicals)		

US. EPA CERCLA Hazardous Substances (40 CFR 302)

not applicable

<u>SARA 311/312</u>

Classification

Not applicable.

Composition/information on ingredients



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Name	%	Classification
2-Propenoic acid, 2-methyl-,	0.1 - 1	F, AH
methyl ester		

SARA 313

	Product name	CAS number	%
Form R - Reporting	Aluminum	7429-90-5	10 - 30
requirements			
	White mineral oil	8042-47-5	1 - 5
Supplier notification	Aluminum	7429-90-5	10 - 30
	White mineral oil	8042-47-5	1 - 5

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations		
Massachusetts	:	The following components are listed: Aluminum
		Silica, amorphous, precipitated and gel
New York	:	The following components are listed: White mineral oil
New Jersey	:	The following components are listed: Aluminum
		White mineral oil Silica, amorphous, precipitated and gel
Pennsylvania	:	The following components are listed: Aluminum
		White mineral oil
		Silica, amorphous, precipitated and gel

California Prop. 65

WARNING: This product contains less than 1% of a chemical known to the State of California to cause birth defects or other reproductive harm.

United States inventory (TSCA 8b)	:	All components are listed or exempted.
Canada inventory	:	Not determined.



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International regulations

International lists	:	 Australia inventory (AICS): Not determined. Taiwan inventory (CSNN): Not determined. Malaysia Inventory (EHS Register): Not determined. EINECS: All components are listed or exempted. Japan inventory: Not determined. China inventory (IECSC): Not determined. Korea inventory: Not determined. New Zealand Inventory of Chemicals (NZIoC): Not determined. Philippines inventory (PICCS): Not determined.
Chemical Weapons Convention	:	Not listed
List Schedule I Chemicals		
Chemical Weapons Convention	:	Not listed
List Schedule II Chemicals		
Chemical Weapons Convention	:	Not listed
List Schedule III Chemicals		

Section 16. Other information

<u>History</u>		
Date of printing	:	05/15/2015
Date of issue/Date of revision	:	05/14/2015
Date of previous issue	:	00/00/0000
Version	:	1.0
Key to abbreviations	:	ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = International A
References	:	UN = United Nations Not available.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the abovenamed supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. POLYONE CORPORATION

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Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Particularly this information may not be valid for such material used in conjunction with any other materials or in any process, unless specified in the text.