

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name or designation of the mixture	Acrylic Rod and Tube
Registration number	-
Synonyms	None.
Product code	Acrylic Rod and Tube
Issue date	02-April-2013
Version number	04
Revision date	11-March-2014
Supersedes date	16-January-2014

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses	Not available.
Uses advised against	None known.

1.3. Details of the supplier of the safety data sheet

Supplier

Company name	Spartech Polycom SA; Z.I. Donchery; PolyOne Corporation (and Subsidiaries)
Address	08350 Donchery, France
Telephone	011 33 3 24 27 75 80

e-mail

Contact person

National supplier

Company name

Address

Telephone

e-mail

Manufacturer

Company name	PolyOne Corporation (and Subsidiaries)
Address	4400 Vandalia Road, Pleasant Hill, IA
Telephone	515-265-4157

e-mail

Emergency telephone number

Information on operation hours

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Directive 67/548/EEC or 1999/45/EC as amended

This preparation does not meet the criteria for classification according to Directive 1999/45/EC as amended

Classification according to Regulation (EC) No 1272/2008 as amended

This mixture does not meet the criteria for classification according to Regulation (EC) 1272/2008 as amended

Hazard summary

Physical hazards	Not classified for physical hazards.
Health hazards	Not classified for health hazards. However, occupational exposure to the mixture or substance(s) may cause adverse health effects.
Environmental hazards	Not classified for hazards to the environment.
Specific hazards	None known.
Main symptoms	Not available.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Hazard pictograms	None.
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Signal word	None.
Hazard statements	The mixture does not meet the criteria for classification.
Precautionary statements	
Prevention	Observe good industrial hygiene practices.
Response	Wash hands after handling.
Storage	Store away from incompatible materials.
Disposal	Dispose of waste and residues in accordance with local authority requirements.
Supplemental label information	EUH208 - Contains 2-Propenoic acid, 2-methyl-, methyl ester. May produce an allergic reaction.
2.3. Other hazards	None known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
2-Propenoic acid, 2-methyl-, methyl ester	1 - < 3	80-62-6 201-297-1	-	607-035-00-6	
Classification:	DSD:	F;R11, Xi;R37/38, R43			D
	CLP:	Flam. Liq. 2;H225, Skin Irrit. 2;H315, Skin Sens. 1;H317, STOT SE 3;H335			D

Other components below reportable levels 90 - 100

CLP: Regulation No. 1272/2008.

DSD: Directive 67/548/EEC.

M: M-factor

vPvB: very persistent and very bioaccumulative substance.

PBT: persistent, bioaccumulative and toxic substance.

#: This substance has been assigned Community workplace exposure limit(s).

Composition comments	The full text for all R- and H-phrases is displayed in section 16. All formula components are fully encapsulated in polymer, and thus do not necessarily reflect the hazards of the dry chemicals. Under normal conditions of use, the occupational hazards associated with these chemicals are expected to be minimal.
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SECTION 4: First aid measures

General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.
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4.1. Description of first aid measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Get medical attention if irritation develops and persists.
Eye contact	Rinse with water. Get medical attention if irritation develops and persists.
Ingestion	Get medical advice/attention if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed	Direct contact with eyes may cause temporary irritation.
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4.3. Indication of any immediate medical attention and special treatment needed	Treat symptomatically.
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SECTION 5: Firefighting measures

General fire hazards	No unusual fire or explosion hazards noted.
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5.1. Extinguishing media

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	None known.

5.2. Special hazards arising from the substance or mixture	During fire, gases hazardous to health may be formed.
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5.3. Advice for firefighters

Special protective equipment for firefighters Wear suitable protective equipment.

Special fire fighting procedures Move containers from fire area if you can do so without risk.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel Keep unnecessary personnel away. For personal protection, see section 8.

For emergency responders Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.

6.2. Environmental precautions No special environmental precautions required.

6.3. Methods and material for containment and cleaning up Stop the flow of material, if this is without risk. Following product recovery, flush area with water.

6.4. Reference to other sections For personal protection, see section 8. For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling Avoid prolonged exposure. Avoid contact with molten material.

7.2. Conditions for safe storage, including any incompatibilities Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

7.3. Specific end use(s) Not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Austria. MAK List, OEL Ordinance (GwV), BGBl. II, no. 184/2001

Components	Type	Value
2-Propenoic acid, 2-methyl-, methyl ester (CAS 80-62-6)	Ceiling	420 mg/m ³
		100 ppm
	MAK	210 mg/m ³ 50 ppm

Belgium. Exposure Limit Values.

Components	Type	Value
2-Propenoic acid, 2-methyl-, methyl ester (CAS 80-62-6)	STEL	416 mg/m ³
		100 ppm
	TWA	208 mg/m ³ 50 ppm

Bulgaria. OELs. Regulation No 13 on protection of workers against risks of exposure to chemical agents at work

Components	Type	Value
2-Propenoic acid, 2-methyl-, methyl ester (CAS 80-62-6)	STEL	100 ppm
	TWA	50 ppm
2-Propenoic acid, 2-methyl-, methyl ester, homopolymer (CAS 9011-14-7)	TWA	20 mg/m ³

Croatia. Dangerous Substance Exposure Limit Values in the Workplace (ELVs), Annexes 1 and 2, Narodne Novine, 13/09

Components	Type	Value
2-Propenoic acid, 2-methyl-, methyl ester (CAS 80-62-6)	MAC	208 mg/m ³
		50 ppm
	STEL	416 mg/m ³ 100 ppm

Czech Republic. OELs. Government Decree 361

Components	Type	Value
2-Propenoic acid, 2-methyl-, methyl ester (CAS 80-62-6)	Ceiling	150 mg/m3
	TWA	50 mg/m3

Denmark. Exposure Limit Values Components

Components	Type	Value
2-Propenoic acid, 2-methyl-, methyl ester (CAS 80-62-6)	TLV	102 mg/m3
		25 ppm

Estonia. OELs. Occupational Exposure Limits of Hazardous Substances. (Annex of Regulation No. 293 of 18 September 2001)

Components	Type	Value
2-Propenoic acid, 2-methyl-, methyl ester (CAS 80-62-6)	STEL	100 ppm
	TWA	50 ppm

Finland. Workplace Exposure Limits Components

Components	Type	Value
2-Propenoic acid, 2-methyl-, methyl ester (CAS 80-62-6)	STEL	210 mg/m3
	TWA	50 ppm
		42 mg/m3
	10 ppm	

France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984

Components	Type	Value
2-Propenoic acid, 2-methyl-, methyl ester (CAS 80-62-6)	VLE	410 mg/m3
	VME	100 ppm
		205 mg/m3
	50 ppm	

Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)

Components	Type	Value
2-Propenoic acid, 2-methyl-, methyl ester (CAS 80-62-6)	TWA	210 mg/m3
		50 ppm

Germany. TRGS 900, Limit Values in the Ambient Air at the Workplace Components

Components	Type	Value
2-Propenoic acid, 2-methyl-, methyl ester (CAS 80-62-6)	AGW	210 mg/m3
		50 ppm

Greece. OELs (Decree No. 90/1999, as amended)

Components	Type	Value
2-Propenoic acid, 2-methyl-, methyl ester (CAS 80-62-6)	STEL	820 mg/m3
	TWA	200 ppm
		410 mg/m3
	100 ppm	

Hungary. OELs. Joint Decree on Chemical Safety of Workplaces Components

Components	Type	Value
2-Propenoic acid, 2-methyl-, methyl ester (CAS 80-62-6)	STEL	415 mg/m3
	TWA	208 mg/m3

Iceland. OELs. Regulation 154/1999 on occupational exposure limits Components

Components	Type	Value
2-Propenoic acid, 2-methyl-, methyl ester (CAS 80-62-6)	STEL	100 ppm
	TWA	50 ppm

Ireland. Occupational Exposure Limits Components

Type	Value
STEL	100 ppm
TWA	50 ppm

Italy. Occupational Exposure Limits Components

Type	Value
STEL	100 ppm
TWA	50 ppm

Latvia. OELs. Occupational exposure limit values of chemical substances in work environment Components

Type	Value
TWA	10 mg/m3

Lithuania. OELs. Limit Values for Chemical Substances, General Requirements Components

Type	Value
STEL	400 mg/m3
TWA	100 ppm 200 mg/m3 50 ppm

Luxembourg. Binding Occupational exposure limit values (Annex I), Memorial A Components

Type	Value
STEL	100 ppm
TWA	50 ppm

Netherlands. OELs (binding) Components

Type	Value
STEL	410 mg/m3
TWA	205 mg/m3

Norway. Administrative Norms for Contaminants in the Workplace Components

Type	Value
STEL	400 mg/m3
TLV	100 ppm 100 mg/m3 25 ppm

Poland. MACs. Minister of Labour and Social Policy Regarding Maximum Allowable Concentrations and Intensities in Working Environment Components

Type	Value
STEL	300 mg/m3
TWA	100 mg/m3

Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796) Components

Type	Value
STEL	100 ppm
TWA	50 ppm

Romania. OELs. Protection of workers from exposure to chemical agents at the workplace Components

Type	Value
STEL	250 mg/m3
TWA	150 mg/m3

Slovakia. OELs. Regulation No. 300/2007 concerning protection of health in work with chemical agents Components

Type	Value
STEL	100 ppm

Slovakia. OELs. Regulation No. 300/2007 concerning protection of health in work with chemical agents

Components	Type	Value
	TWA	50 ppm

Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)

Components	Type	Value
2-Propenoic acid, 2-methyl-, methyl ester (CAS 80-62-6)	TWA	210 mg/m ³
		50 ppm

Spain. Occupational Exposure Limits

Components	Type	Value
2-Propenoic acid, 2-methyl-, methyl ester (CAS 80-62-6)	TWA	100 mg/m ³
		50 ppm

Sweden. Occupational Exposure Limit Values

Components	Type	Value
2-Propenoic acid, 2-methyl-, methyl ester (CAS 80-62-6)	STEL	600 mg/m ³
	TWA	150 ppm 200 mg/m ³ 50 ppm

Switzerland. SUVA Grenzwerte am Arbeitsplatz

Components	Type	Value
2-Propenoic acid, 2-methyl-, methyl ester (CAS 80-62-6)	STEL	420 mg/m ³
	TWA	100 ppm 210 mg/m ³ 50 ppm

UK. EH40 Workplace Exposure Limits (WELs)

Components	Type	Value
2-Propenoic acid, 2-methyl-, methyl ester (CAS 80-62-6)	STEL	416 mg/m ³
	TWA	100 ppm 208 mg/m ³ 50 ppm

Biological limit values No biological exposure limits noted for the ingredient(s).

Recommended monitoring procedures Follow standard monitoring procedures.

Derived no-effect level (DNEL) Not available.

Predicted no effect concentrations (PNECs) Not available.

8.2. Exposure controls

Appropriate engineering controls Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Adequate ventilation should be provided so that exposure limits are not exceeded.

Individual protection measures, such as personal protective equipment

General information Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin protection

- Hand protection When handling hot material, use heat resistant gloves. The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other.

- **Other** Wear protective gloves. The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. Heat insulating gloves.

Respiratory protection When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

Hygiene measures Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Environmental exposure controls Environmental manager must be informed of all major releases.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state Solid.

Form Solid.

Colour Not available.

Odour Not available.

Odour threshold Not available.

pH Not available.

Melting point/freezing point Not available.

Initial boiling point and boiling range Not available.

Flash point Not available.

Evaporation rate Not available.

Flammability (solid, gas) Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower (%) Not available.

Flammability limit - upper (%) Not available.

Vapour pressure Not available.

Vapour density Not available.

Relative density Not available.

Solubility(ies)

Solubility (water) Not available.

Solubility (other) Not available.

Partition coefficient (n-octanol/water) Not available.

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Viscosity Not available.

Explosive properties Not available.

Oxidizing properties Not available.

9.2. Other information No relevant additional information available.

SECTION 10: Stability and reactivity

10.1. Reactivity Not available.

10.2. Chemical stability Material is stable under normal conditions.

10.3. Possibility of hazardous reactions No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoid Contact with incompatible materials.

10.5. Incompatible materials None known.

10.6. Hazardous decomposition products No hazardous decomposition products are known.

SECTION 11: Toxicological information

General information Occupational exposure to the substance or mixture may cause adverse effects

Information on likely routes of exposure

Ingestion Due to lack of data the classification is not possible

Inhalation Prolonged inhalation may be harmful. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Skin contact May cause an allergic skin reaction.

Eye contact Due to lack of data the classification is not possible

Symptoms Exposure may cause temporary irritation, redness, or discomfort.

11.1. Information on toxicological effects

Components	Species	Test results
2-Propenoic acid, 2-methyl-, methyl ester (CAS 80-62-6)		
Acute		
<i>Inhalation</i>		
LC50	Mouse	18,5 mg/l, 2 Hours
	Rat	3750 mg/l, 8 Hours
<i>Oral</i>		
LD50	Mouse	5,5 ml/kg
	Rabbit	6000 mg/kg
	Rat	7800 mg/kg
<i>Other</i>		
LD50	Dog	4500 mg/kg
	Mouse	1000 mg/kg
	Rat	1328 mg/kg

* Estimates for product may be based on additional component data not shown.

Skin corrosion/irritation Due to partial or complete lack of data the classification is not possible.

Serious eye damage/eye irritation Due to partial or complete lack of data the classification is not possible.

Respiratory sensitisation Due to partial or complete lack of data the classification is not possible

Skin sensitisation Due to partial or complete lack of data the classification is not possible.

Germ cell mutagenicity Due to partial or complete lack of data the classification is not possible.

Carcinogenicity Due to partial or complete lack of data the classification is not possible

IARC Monographs. Overall Evaluation of Carcinogenicity

2-Propenoic acid, 2-methyl-, methyl ester (CAS 80-62-6) 3 Not classifiable as to carcinogenicity to humans.

Reproductive toxicity Due to partial or complete lack of data the classification is not possible.

Specific target organ toxicity - single exposure Due to partial or complete lack of data the classification is not possible.

Specific target organ toxicity - repeated exposure Due to partial or complete lack of data the classification is not possible.

Aspiration hazard Due to partial or complete lack of data the classification is not possible

Mixture versus substance information No information available.

Other information May cause allergic respiratory and skin reactions.

SECTION 12: Ecological information

12.1. Toxicity The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components	Species	Test results
2-Propenoic acid, 2-methyl-, methyl ester (CAS 80-62-6)		
Aquatic		
Fish	LC50	Fathead minnow (<i>Pimephales promelas</i>) 136,3 - 183,4 mg/l, 96 hours

* Estimates for product may be based on additional component data not shown.

12.2. Persistence and degradability	No data is available on the degradability of this product.
12.3. Bioaccumulative potential	No data available.
Partition coefficient n-octanol/water (log Kow)	
2-Propenoic acid, 2-methyl-, methyl ester	1,38
Bioconcentration factor (BCF)	Not available.
12.4. Mobility in soil	No data available.
12.5. Results of PBT and vPvB assessment	Not available.
12.6. Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Residual waste	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.
EU waste code	The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Disposal methods/information	Collect and reclaim or dispose in sealed containers at licensed waste disposal site.
Special precautions	Dispose in accordance with all applicable regulations.

SECTION 14: Transport information

ADR

Not regulated as dangerous goods.

RID

Not regulated as dangerous goods.

ADN

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I

Not listed.

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex II

Not listed.

Regulation (EC) No. 850/2004 on persistent organic pollutants, Annex I

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V

Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry

Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(1) Candidate List as currently published by ECHA

Not listed.

Authorisations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended

Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006 Annex XVII Substances subject to restriction on marketing and use

2-Propenoic acid, 2-methyl-, methyl ester (CAS 80-62-6)

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work

Not listed.

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding

Not listed.

Other EU regulations

Directive 96/82/EC (Seveso II) on the control of major-accident hazards involving dangerous substances

Not listed.

Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

2-Propenoic acid, 2-methyl-, methyl ester (CAS 80-62-6)

Directive 94/33/EC on the protection of young people at work

2-Propenoic acid, 2-methyl-, methyl ester (CAS 80-62-6)

Other regulations

The product is classified and labelled in accordance with EC directives or respective national laws
This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006

National regulations

Follow national regulation for work with chemical agents.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

List of abbreviations

Not available.

References

Not available.

Information on evaluation method leading to the classification of mixture

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

Full text of any statements or R-phrases and H-statements under Sections 2 to 15

R11 Highly flammable.
R37/38 Irritating to respiratory system and skin.
R43 May cause sensitisation by skin contact.
H225 Highly flammable liquid and vapour.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.

Revision information

Composition / Information on Ingredients: Ingredients

Training information

Follow training instructions when handling this material.

Issued by

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Disclaimer

The information in the sheet was written based on the best knowledge and experience currently available.