# SAFETY DATA SHEET

# 1. Identification

Product identifier	PLEXUS® MA830 Adhesiv	e	
Other means of identification			
SKU#	IT185		
Recommended use	Not available.		
Recommended restrictions	None known.		
Manufacturer/Importer/Supplier/	Distributor information		
Manufacturer			
Company name	ITW Performance Polymers		
Address	30 Endicott Street		
	Danvers, MA 01923		
	United States		
Telephone	Customer Service	978-777-1100	
Website	www.itwperformancepolyme	rs.com	
E-mail	Not available.		
Contact person	EHS Department		
Emergency phone number	Chemtrec	800-424-9300	
	International	703-527-3887	
2. Hazard(s) identification			
Physical hazards	Flammable liquids		Category 2

Physical hazards	Flammable liquids	Category 2
Health hazards	Skin corrosion/irritation	Category 1
	Serious eye damage/eye irritation	Category 1
	Sensitization, skin	Category 1
	Specific target organ toxicity, single exposure	Category 3 respiratory tract irritation
Environmental hazards	Not classified.	
OSHA defined hazards	Not classified.	

Label elements



Signal word	Danger
Hazard statement	Highly flammable liquid and vapor. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Causes serious eye damage. May cause respiratory irritation.
Precautionary statement	
Prevention	Keep away from heat/sparks/open flames/hot surfaces No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe mist/vapors. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.
Response	If swallowed: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. In case of fire: Use appropriate media to extinguish.
Storage	Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.

Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion. None.

Supplemental information

# 3. Composition/information on ingredients

# Mixtures

Chemical name	Common name and synonyms	CAS number	%
Methyl Methacrylate		80-62-6	40 - 60
METHACRYLIC ACIE	)	79-41-4	2.5 - 10
Polychloroprene		Mixture	2.5 - 10
Paraffin Wax		8002-74-2	1 - 2.5
Styrene/butadiene Co	polymer	9003-55-8	1 - 2.5
N,n-dimethyl-p-toluidi	ne	99-97-8	0.1 - 1
Other components be	low reportable levels		20 - 40
4. First-aid measu	res		
nhalation	Remove victim to fresh air and keep at rest in center or doctor/physician if you feel unwell.	a position comfortable for bre	eathing. Call a po
Skin contact	Remove contaminated clothing immediately a	and wash skin with soan and y	vater. Call a nhv

Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. Call a physician or poison control center immediately. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.
Ingestion	Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
Most important symptoms/effects, acute and delayed	Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. May cause respiratory irritation.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.
General information	Take off all contaminated clothing immediately. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

# 5. Fire-fighting measures

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Suitable extinguishing media	Water fog. Foam. Carbon dioxide (CO2). Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. This product is a poor conductor of electricity and can become electrostatically charged. If sufficient charge is accumulated, ignition of flammable mixtures can occur. To reduce potential for static discharge, use proper bonding and grounding procedures. This liquid may accumulate static electricity when filling properly grounded containers. Static electricity accumulation may be significantly increased by the presence of small quantities of water or other contaminants. Material will float and may ignite on surface of water. During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	Highly flammable liquid and vapor.

# 6. Accidental release measures

6. Accidental release meas	50165
Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist/vapors. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Use appropriate containment to avoid environmental contamination. Transfer by mechanical means such as vacuum truck to a salvage tank or other suitable container for recovery or safe disposal. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools.
	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.
	Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.
	Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground. Use appropriate containment to avoid environmental contamination.
7. Handling and storage	
Precautions for safe handling	Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Explosion-proof general and local exhaust ventilation. Minimize fire risks from flammable and combustible materials (including combustible dust and static accumulating liquids) or dangerous reactions with incompatible materials. Handling operations that can promote accumulation of static charges include but are not limited to: mixing, filtering, pumping at high flow rates, splash filling, creating mists or sprays, tank and container filling, tank cleaning, sampling, gauging, switch loading, vacuum truck operations. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not breathe mist/vapors. Do not get in eyes, on skin, or on clothing. Avoid prolonged exposure. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
	For additional information on equipment bonding and grounding, refer to the Canadian Electrical Code in Canada, (CSA C22.1), or the American Petroleum Institute (API) Recommended Practice 2003, "Protection Against Ignitions Arising out of Static, Lightning, and Stray Currents" or National Fire Protection Association (NFPA) 77, "Recommended Practice on Static Electricity" or National Fire Protection Association (NFPA) 70, "National Electrical Code".
Conditions for safe storage, including any incompatibilities	Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Eliminate sources of ignition. Avoid spark promoters. Ground/bond container and equipment. These alone may be insufficient to remove static electricity. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

# 8. Exposure controls/personal protection

# **Occupational exposure limits**

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

Components	Туре	Value	
Methyl Methacrylate (CAS 80-62-6)	PEL	410 mg/m3	
		100 ppm	
US. ACGIH Threshold Limit Values (TLV) Components	Туре	Value	Form
METHACRYLIC ACID (CAS 79-41-4)	TWA	20 ppm	

US. ACGIH Threshold Limit V Components	Туре		Value	Form
Methyl Methacrylate (CAS 80-62-6)	STEL		100 ppm	
	TWA		50 ppm	
Paraffin Wax (CAS 8002-74-2)	TWA		2 mg/m3	Fume.
NIOSH. Immediately Dangero Components	us to Life or Health (IDL Type	.H) Values, as amended	d Value	
Methyl Methacrylate (CAS 80-62-6)	IDLH		1.7 %	
00 02 07			1000 ppm	
US. NIOSH: Pocket Guide to C Components	Chemical Hazards Reco Type	mmended Exposure Li	mits (REL) Value	Form
METHACRYLIC ACID (CAS 79-41-4)	TWA		70 mg/m3	
			20 ppm	
Methyl Methacrylate (CAS 80-62-6)	TWA		410 mg/m3	
00-02-0)			100 ppm	
Paraffin Wax (CAS 8002-74-2)	TWA		2 mg/m3	Fume.
US. OARS. Workplace Enviro Components	nmental Exposure Leve Type	l (WEEL) Guide	Value	
N,n-dimethyl-p-toluidine (CAS 99-97-8)	TWA		0.5 ppm	
logical limit values	No biological exposure li	mits noted for the ingred	ient(s).	
posure guidelines				
US - California OELs: Skin de	signation			
METHACRYLIC ACID (CA US - Tennessee OELs: Skin d		Can be absorbed	through the skin.	
METHACRYLIC ACID (CA		Can be absorbed	through the skin.	
US NIOSH Pocket Guide to C		•	41	
METHACRYLIC ACID (CA	,	Can be absorbed	•	al ventilation should be used.
	Ventilation rates should the exhaust ventilation, or othe exposure limits. If exposure	be matched to conditions her engineering controls ure limits have not been	<ul> <li>If applicable, use to maintain airbor established, maint</li> </ul>	e process enclosures, local ne levels below recommended
ividual protection measures, s				
	Chemical respirator with	organic vapor cartridge	and full facepiece.	
Skin protection Hand protection	Wear appropriate chemic	cal resistant gloves.		
Other	Wear appropriate chemic	cal resistant clothing.		
Respiratory protection	Chemical respirator with	organic vapor cartridge	and full facepiece.	
Thermal hazards	Wear appropriate therma	al protective clothing, who	en necessary.	
nsiderations	after handling the materia	al and before eating, drir quipment to remove con	king, and/or smok	measures, such as washing king. Routinely wash work hinated work clothing should n
Physical and chemical p	roperties			
pearance	Paste.			
	l iquid			

Physical state

Liquid.

Odor threshold         Not available.           pH         Not available.           Melting point/freezing point         -54.4 °F (-48 °C) estimated           Initial boiling point and boiling         212.9 °F (100.5 °C) estimated           Initial boiling point and boiling         212.9 °F (10.0 °C) estimated           Flash point         50.0 °F (10.0 °C) estimated           Exaporation rate         Not available.           Flammability (solid, gas)         Not available.           Upper/lower flammability or explosive limits         Explosive limit - lower (%)           Explosive limit - lower (%)         2.1 % estimated           Vapor pressure         51.33 hPa estimated           Vapor density         Not available.           Solubility(water)         Not available.           Partition coefficient         Not available.           Partition coefficient         Not available.           Partition coefficient         Not available.           Viscosity         Not available.           Other information         Upersite information           Denomy         0.94 g/cm3 estimated           Explosive properties         Not explosive.           Flammability class         Flammable.           Other information         Upersinter		
Odor         Fragrant           Odor threshold         Not available.           PH         Not available.           Melting point/freezing point         -54.4 °F (-48 °C) estimated           Initial boiling point and boiling         212.9 °F (100.5 °C) estimated           arrage         50.0 °F (10.0 °C) estimated           Flash point         50.0 °F (10.0 °C) estimated           Evaporation rate         Not available.           Pyper/lower flammability of available.         Not available.           Upper/lower flammability of explosive limits         51.33 hPa estimated           Kapo ressure         51.33 hPa estimated           Vapor density         Not available.           Vapor density         Not available.           Vapor density         Not available.           Vato-ingliton temperature         815 °F (435 °C) estimated           Vato-ingliton temperature         Not available.           Viscosity         Not available.           Decomposition temperature         815 °F (435 °C) estimated           Decomposition temperature         Not available.           Pistion coefficient         Not available.           Pistion temperature         Not available.           Decomposition temperature         Not available.           Desti	Form	Paste.
Odor threshold         Not available.           pH         Not available.           Melting point/freezing point         -54.4 °F (-48 °C) estimated           Initial boiling point and boiling         212.9 °F (100.5 °C) estimated           Initial boiling point and boiling         212.9 °F (100.5 °C) estimated           Flash point         50.0 °F (10.0 °C) estimated           Evaporation rate         Not available.           Flash point         50.0 °F (10.0 °C) estimated           Evaporation rate         Not available.           Flammability (solid, gas)         Not available.           Vapor flammability or explosive limits         Explosive limit - lower (%)           2.1 % estimated         200 °F (10.0 °C) estimated           Vapor pressure         5.1.33 hPa estimated           Vapor density         Not available.           Solubility (water)         Not available.           Solubility (water)         Not available.           Partition coefficient         Not available.           In-coctanol/water)         Not available.           Viscosity         Not available.           Decomposition temperature         Not available.           Viscosity         Not available.           Density         0.94 g/cm3 estimated           Explo	Color	Off-white.
pH       Not available.         Melting point/freezing point       -54.4 °F (-48 °C) estimated         Initial boiling point and boiling       212.9 °F (100.5 °C) estimated         range       50.0 °F (10.0 °C) estimated         Evaporation rate       Not available.         Flammability (solid, gas)       Not available.         Flammability (solid, gas)       Not available.         Evaporation rate       Not available.         Flammability or explosive limits       Explosive limit - lower (%)         Explosive limit - lower (%)       2.1 % estimated         Zypor density       Not available.         Relative density       Not available.         Solubility(water)       Not available.         Partition coefficient       Not available.         In-octanol/water)       Not available.         Auto-ignition temperature       815 °F (435 °C) estimated         Decomposition temperature       Not available.         Viscosity       Not available.         Other information       Image: Specific gravity         Density       0.94 g/cm3 estimated         Explosive properties       Not explosive.         Flammability class       Flammable B estimated         Explosive properties       Not oxidizing. <t< th=""><th>Odor</th><th>Fragrant</th></t<>	Odor	Fragrant
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Flash point       50.0 °F (10.0 °C) estimated         Evaporation rate       Not available.         Flammability (solid, gas)       Not applicable.         Upper/lower flammability or explosive limits       Explosive limit - lower (%)         Explosive limit - lower (%)       2.1 % estimated         Vapor pressure       51.33 hPa estimated         Vapor pressure       51.33 hPa estimated         Vapor density       Not available.         Relative density       Not available.         Solubility(ies)       Solubility (water)         Solubility (water)       Not available.         Partition coefficient       Not available.         Not-at available.       Not available.         Vato-ignition temperature       815 °F (435 °C) estimated         Decomposition temperature       Not available.         Viscosity       Not available.         Viscosity       Not available.         Other information       Density         Density       0.94 g/cm3 estimated         Explosive properties       Not explosive.         Flammability class       Flammabile IB estimated         Oxidizing properties       Not xolidizing.         Specific gravity       0.94 estimated	Melting point/freezing point	-54.4 °F (-48 °C) estimated
Evaporation rateNot available.Flammability (solid, gas)Not applicable.Upper/lower flammability or explosive limitsExplosive limit - lower (%)2.1 % estimatedExplosive limit - upper (%)2.1 % estimatedExplosive limit - upper (%)8.2 % estimatedVapor pressure51.33 hPa estimatedVapor densityNot available.Relative densityNot available.Solubility (water)Not available.Solubility (water)Not available.Partition coefficient (no-octanol/water)815 °F (435 °C) estimatedDecomposition temperature815 °F (355 °C) estimatedViscosityNot available.Other information0.94 g/cm3 estimatedExplosive propertiesNot explosive.Flammability classFlammabile.Oxidizing propertiesNot explosive.Flammability classFlammabile.Oxidizing propertiesNot explosive.Flammability classFlammabile.Oxidizing propertiesNot explosive.Flammability classFlammabile.Oxidizing propertiesNot explosive.Flammability classFlammability classOxidizing.Specific gravityOut oxidizing.Specific gravityOut oxidizing.Specific gravity	Initial boiling point and boiling range	212.9 °F (100.5 °C) estimated
Flammability (solid, gas)       Not applicable.         Upper/lower flammability or explosive limits         Explosive limit - lower (%)       2.1 % estimated         Explosive limit - upper (%)       8.2 % estimated         Vapor pressure       51.33 hPa estimated         Vapor density       Not available.         Relative density       Not available.         Solubility(ies)       Solubility (water)         Solubility (water)       Not available.         Partition coefficient       Not available.         (n-octanol/water)       815 °F (435 °C) estimated         Auto-ignition temperature       815 °F (435 °C) estimated         Decomposition temperature       Not available.         Viscosity       Not available.         Other information       Density       0.94 g/cm3 estimated         Explosive properties       Not explosive.         Flammability class       Flammabile IB estimated         Oxidizing properties       Not oxidizing.         Specific gravity       0.94 estimated	Flash point	50.0 °F (10.0 °C) estimated
Upper/lower flammability or explosive limits         Explosive limit - lower (%)       2.1 % estimated         Explosive limit - upper (%)       8.2 % estimated         Vapor pressure       51.33 hPa estimated         Vapor density       Not available.         Relative density       Not available.         Solubility(ies)       Solubility (water)         Solubility (water)       Not available.         Partition coefficient       Not available.         (n-octanol/water)       815 °F (435 °C) estimated         Auto-ignition temperature       815 °F (435 °C) estimated         Decomposition temperature       Not available.         Viscosity       Not available.         Other information       0.94 g/cm3 estimated         Explosive properties       Not explosive.         Flammability class       Flammable IB estimated         Oxidizing properties       Not oxidizing.         Specific gravity       0.94 estimated	Evaporation rate	Not available.
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Vapor pressure       51.33 hPa estimated         Vapor density       Not available.         Relative density       Not available.         Solubility(ies)       Solubility (water)         Solubility (water)       Not available.         Partition coefficient (n-octanol/water)       Not available.         Auto-ignition temperature       815 °F (435 °C) estimated         Decomposition temperature       Not available.         Viscosity       Not available.         Other information       Density         Density       0.94 g/cm3 estimated         Explosive properties       Not explosive.         Flammability class       Flammable IB estimated         Oxidizing properties       Not oxidizing.         Specific gravity       0.94 estimated	Explosive limit - lower (%)	2.1 % estimated
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Relative density       Not available.         Solubility(ies)       Not available.         Solubility (water)       Not available.         Partition coefficient (n-octanol/water)       Not available.         Auto-ignition temperature       815 °F (435 °C) estimated         Decomposition temperature       Not available.         Viscosity       Not available.         Other information       Use and a setimated         Explosive properties       Not explosive.         Flammability class       Flammable IB estimated         Oxidizing properties       Not oxidizing.         Specific gravity       0.94 estimated	Vapor pressure	51.33 hPa estimated
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(n-octanol/water)         Auto-ignition temperature       815 °F (435 °C) estimated         Decomposition temperature       Not available.         Viscosity       Not available.         Other information       0.94 g/cm3 estimated         Explosive properties       Not explosive.         Flammability class       Flammable IB estimated         Oxidizing properties       Not oxidizing.         Specific gravity       0.94 estimated	Solubility (water)	Not available.
Decomposition temperature       Not available.         Viscosity       Not available.         Other information       0.94 g/cm3 estimated         Density       0.94 g/cm3 estimated         Explosive properties       Not explosive.         Flammability class       Flammable IB estimated         Oxidizing properties       Not oxidizing.         Specific gravity       0.94 estimated	Partition coefficient (n-octanol/water)	Not available.
Viscosity     Not available.       Other information     0.94 g/cm3 estimated       Density     0.94 g/cm3 estimated       Explosive properties     Not explosive.       Flammability class     Flammable IB estimated       Oxidizing properties     Not oxidizing.       Specific gravity     0.94 estimated	Auto-ignition temperature	815 °F (435 °C) estimated
Other information       0.94 g/cm3 estimated         Density       0.94 g/cm3 estimated         Explosive properties       Not explosive.         Flammability class       Flammable IB estimated         Oxidizing properties       Not oxidizing.         Specific gravity       0.94 estimated	Decomposition temperature	Not available.
Density0.94 g/cm3 estimatedExplosive propertiesNot explosive.Flammability classFlammable IB estimatedOxidizing propertiesNot oxidizing.Specific gravity0.94 estimated	Viscosity	Not available.
Explosive propertiesNot explosive.Flammability classFlammable IB estimatedOxidizing propertiesNot oxidizing.Specific gravity0.94 estimated	Other information	
Flammability class     Flammable IB estimated       Oxidizing properties     Not oxidizing.       Specific gravity     0.94 estimated	Density	0.94 g/cm3 estimated
Oxidizing properties     Not oxidizing.       Specific gravity     0.94 estimated	Explosive properties	Not explosive.
Specific gravity 0.94 estimated	Flammability class	Flammable IB estimated
	Oxidizing properties	Not oxidizing.
10. Stability and reactivity	Specific gravity	0.94 estimated
	10. Stability and reactivity	/

# ReactivityThe product is stable and non-reactive under normal conditions of use, storage and transport.Chemical stabilityMaterial is stable under normal conditions.Possibility of hazardous<br/>reactionsHazardous polymerization does not occur.Conditions to avoidAvoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the<br/>flash point. Contact with incompatible materials.Incompatible materialsStrong oxidizing agents. Nitrates. Peroxides.Hazardous decomposition<br/>productsNo hazardous decomposition products are known.

# 11. Toxicological information

Information on likely routes of	exposure
Inhalation	May cause irritation to the respiratory system. Prolonged inhalation may be harmful.
Skin contact	Causes severe skin burns. May cause an allergic skin reaction.
Eye contact	Causes serious eye damage.
Ingestion	Causes digestive tract burns.
Symptoms related to the physical, chemical and toxicological characteristics	Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. May cause respiratory irritation.

# Information on toxicological effects

Acute toxicity	Not known.		
Components	Species		Test Results
METHACRYLIC ACID (CAS 79-41-	-4)		
<u>Acute</u>			
Dermal			500 //
LD50	Rabbit		500 mg/kg
Inhalation LC50	Rat		7 10000000000000 mg/L 4 Hours
	Rai		7.1000000000000005 mg/l, 4 Hours
<b>Oral</b> LD50	Rat		1060 mg/kg
Methyl Methacrylate (CAS 80-62-6)			looo mgmg
Acute			
Oral			
LD50	Rat		7800 mg/kg
N,n-dimethyl-p-toluidine (CAS 99-9	7-8)		
Acute			
Inhalation			
LC50	Rat		1.4000000000000001 mg/l, 4 Hours
Skin corrosion/irritation	Causes severe skin burns and eye damage.		
Serious eye damage/eye	Causes serious eye damage.		
Respiratory or skin sensitization ACGIH sensitization			
Methyl methacrylate (CAS	80-62-6)	Dermal sensitization	
Respiratory sensitization	Not a respiratory sensitizer.		
Skin sensitization	May cause an allergic skin reaction.		
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.		
Carcinogenicity	Risk of cancer cannot be exclu	uded with prolonged exp	oosure.
IARC Monographs. Overall E	valuation of Carcinogenicity		
Not listed. US. National Toxicology Prog	CAS 99-97-8)	2B Possibly carcinoge 3 Not classifiable as to 001-1053)	o carcinogenicity to humans. nic to humans. o carcinogenicity to humans.
Not listed.	This product is not expected to	a acusa raproductiva ar	developmental effects
Reproductive toxicity Specific target organ toxicity -	This product is not expected to May cause respiratory irritation	·	developmental effects.
single exposure	May cause respiratory irritation.		
Specific target organ toxicity - repeated exposure	Not classified.		
Aspiration hazard	Not an aspiration hazard.		
Chronic effects	Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.		
40 Feelewieel information			
12. Ecological Information	The sum does the set of second states	s environmentally hazar	dous. However, this does not exclude the
•	possibility that large or frequer	nt spills can have a harn	nful or damaging effect on the environmen
12. Ecological information Ecotoxicity Persistence and degradability		•	
Ecotoxicity	possibility that large or frequer	•	

Mobility in soil	No data available.
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.

13. Disposal considerations		
Disposal instructions	Dispose of this material and its container to hazardous or special waste collection point. Incinerate the material under controlled conditions in an approved incinerator. Do not incinerate sealed containers. If discarded, this product is considered a RCRA ignitable waste, D001. Dispose of contents/container in accordance with local/regional/national/international regulations.	
Local disposal regulations	Dispose in accordance with all applicable regulations.	
Hazardous waste code	D001: Waste Flammable material with a flash point <140 F The waste code should be assigned in discussion between the user, the producer and the waste disposal company.	
Waste from residues / unused products	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	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.	

# 14. Transport information

DOT	
UN number	UN1133
UN proper shipping name	Adhesives, containing a flammable liquid
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	3
Packing group	III
Environmental hazards	
Marine pollutant	No.
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Special provisions	B1, B52, IB3, T2, TP1
Packaging exceptions	150
Packaging non bulk	173
Packaging bulk	242
ΙΑΤΑ	
UN number	UN1133
UN proper shipping name	Adhesives containing flammable liquid
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Packing group	III
Environmental hazards	No.
ERG Code	3L
	Read safety instructions, SDS and emergency procedures before handling.
Other information	
Passenger and cargo	Allowed with restrictions.
aircraft	
Cargo aircraft only	Allowed with restrictions.
IMDG	
UN number	UN1133
UN proper shipping name	ADHESIVES containing flammable liquid
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Packing group	III
Environmental hazards	
Marine pollutant	No.
EmS	F-E, S-D
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according toNot established.Annex II of MARPOL 73/78 andthe IBC Code

# DOT



# 15. Regulatory information

US federal regulations	This product is a "Ha Standard, 29 CFR 19		efined by the OSHA Hazard Cor	nmunication
US EPCRA (SARA Title	III) Section 313 - Toxie	c Chemical: De minimi	s concentration	
Methyl Methacrylate US EPCRA (SARA Title		% 1.0 c Chemical: Listed sub	ostance	
Methyl Methacrylate	(CAS 80-62-6)	Listed.		
Toxic Substances Control A	ct (TSCA)			
TSCA Section 12(b) Exp Not regulated.	ort Notification (40 C	FR 707, Subpt. D)		
CERCLA Hazardous Substa Methyl Methacrylate (CAS SARA 304 Emergency releas	80-62-6)	4) Listed.		
Not regulated. OSHA Specifically Regulated Not listed.		R 1910.1001-1053)		
Superfund Amendments and Re	authorization Act of 1	986 (SARA)		
SARA 302 Extremely hazard Not listed.	ous substance			
SARA 311/312 Hazardous chemical	Yes			
Classified hazard categories	Skin corrosion or irrita Serious eye damage Respiratory or skin se	or eye irritation ensitization toxicity (single or repea		
SARA 313 (TRI reporting)				
Chemical name		CAS number	% by wt.	
Methyl Methacrylate		80-62-6	40 - 60	

# Other federal regulations

### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Methyl Methacrylate (CAS 80-62-6)

### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act Contains component(s) regulated under the Safe Drinking Water Act.

# (SDWA)

# FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace

Methyl Methacrylate (CAS 80-62-6)

# **US state regulations**

### US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

Low priority

Methyl Methacrylate (CAS 80-62-6) N,n-dimethyl-p-toluidine (CAS 99-97-8)

# **California Proposition 65**



WARNING: This product can expose you to chemicals including BUTADIENE, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

# California Proposition 65 - CRT: Listed date/Carcinogenic substance

California Propositio	n 65 - CRT. Listeu uate/Ca	choyenic substance	
Acetaldehyde (C	AS 75-07-0)	Listed: April 1, 1988	
BUTADIENE (CA	,	Listed: April 1, 1988	
Ethyl Acrylate (C	AS 140-88-5)	Listed: July 1, 1989	
Ethylene Oxide (	CAS 75-21-8)	Listed: July 1, 1987	
N,n-dimethyl-p-to	luidine (CAS 99-97-8)	Listed: May 2, 2014	
Talc (CAS 14807	-96-6)	Listed: April 1, 1990	
California Propositio	on 65 - CRT: Listed date/Dev	velopmental toxin	
BUTADIENE (CA	S 106-99-0)	Listed: April 16, 2004	
Ethylene Glycol (	CAS 107-21-1)	Listed: June 19, 2015	
Ethylene Oxide (CAS 75-21-8)		Listed: August 7, 2009	
	on 65 - CRT: Listed date/Fer	-	
BUTADIENE (CA	S 106-99-0)	Listed: April 16, 2004	
Ethylene Oxide (CAS 75-21-8)		Listed: February 27, 1987	
	on 65 - CRT: Listed date/Ma	-	
BUTADIENE (CA	S 106-99-0)	Listed: April 16, 2004	
Ethylene Oxide (	,	Listed: August 7, 2009	
International Inventories			
Country(s) or region	Inventory name		On inventory (yes/no)*
Australia	Australian Inventory of I	ndustrial Chemicals (AICIS)	No
Canada	Domestic Substances L	.ist (DSL)	No
Canada	Non-Domestic Substan	ces List (NDSL)	No

Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

# 16. Other information, including date of preparation or last revision

07-17-2019

Revision date	08-03-2023
Version #	07
HMIS® ratings	Health: 2 Flammability: 3 Physical hazard: 0
NFPA ratings	Health: 2 Flammability: 3 Instability: 0
Disclaimer	ITW Performance Polymers cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.