SAFETY DATA SHEET

1 Identification

1. Identification			
Product identifier	PLEXUS® MA530 Adhesiv	e	
Other means of identification			
SKU#	0539		
Recommended use	Not available.		
Recommended restrictions	None known.		
Manufacturer/Importer/Supplier/	Distributor information		
Manufacturer			
Company name	ITW Performance Polymers	i	
Address	30 Endicott Street		
	Danvers, MA 01923 United States		
Telephone	Customer Service	978-777-1100	
Website	www.itwperformancepolyme		
E-mail	Not available.		
Contact person	EHS Department		
Emergency phone number	Chemtrec	800-424-9300	
	International	703-527-3887	
2. Hazard(s) identification	l		
Physical hazards	Flammable liquids		Category 2
Health hazards	Acute toxicity, inhalation		Category 4
	Skin corrosion/irritation		Category 2
	Serious eye damage/eye irr	itation	Category 2
	Sensitization, skin		Category 1A
	Specific target organ toxicity	, single exposure	
Environmental hazards	Not classified.		
OSHA defined hazards	Not classified.		
Label elements			
Signal word	Danger		
Hazard statement	Highly flammable liquid and		in irritation. May cause an allergic skin reaction. d. May cause respiratory irritation.
Precautionary statement			· · ·
Prevention	closed. Ground/bond contai electrical/ventilating/lighting measures against static disc	ner and receiving equipment. Use o charge. Wash thor ninated work clothi	surfaces No smoking. Keep container tightly equipment. Use explosion-proof nly non-sparking tools. Take precautionary oughly after handling. Use only outdoors or in a ing must not be allowed out of the workplace. Wear n.
Response	If inhaled: Remove person t	o fresh air and kee	ntaminated clothing. Rinse skin with water/shower. op comfortable for breathing. If in eyes: Rinse nove contact lenses, if present and easy to do

cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison center/doctor if you feel unwell. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. In case of fire: Use appropriate media to extinguish. Storage

Keep cool. Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Static accumulating flammable liquid can become electrostatically charged even in bonded and

Disposal Hazard(s) not otherwise classified (HNOC) Supplemental information

grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion. None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Methyl Methacrylate		80-62-6	40 - 60
DODECYL METHACRYLATE		142-90-5	2.5 - 10
Poly(2-chloro-1,3-butadiene)		9010-98-4	2.5 - 10
POLY(OXY-1,2-ETHANEDIYL), .ALPHA(2- METHYL-1-OXO-2-PROPENYL		26915-72-0	2.5 - 10
MEGAMETHOXY-	J0		
TETRADECYL METHACRYLAT	Ē	2549-53-3	2.5 - 10
CHLOROSULFINATED POLYETHLENE		68037-39-8	1 - 2.5
HEXADECYL METHACRYLATE		2495-27-4	1 - 2.5
MALEIC ACID		110-16-7	1 - 2.5
Other components below report	able levels		20 - 40
4. First-aid measures			
Inhalation	Remove victim to fresh air and keep at rest i artificial respiration if needed. Call a poison of		
Skin contact	Remove contaminated clothing immediately eczema or other skin disorders: Seek medic contaminated clothing before reuse.		
Eye contact	Immediately flush eyes with plenty of water f present and easy to do. Continue rinsing. Get		
Ingestion	Rinse mouth. Get medical attention if sympton	oms occur.	
Most important symptoms/effects, acute and delayed	Severe eye irritation. Symptoms may include vision. May cause respiratory irritation. Skin allergic skin reaction. Dermatitis. Rash.		
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and tre immediately. While flushing, remove clothes ambulance. Continue flushing during transpo observation. Symptoms may be delayed.	which do not adhere to affecte	ed area. Call an
General information	Take off all contaminated clothing immediate label where possible). Ensure that medical p take precautions to protect themselves. Was	ersonnel are aware of the mat	terial(s) involved, and
5. Fire-fighting measures			
Suitable extinguishing media	Water fog. Foam. Carbon dioxide (CO2). Dry be used for small fires only.	/ chemical powder, carbon dio	xide, sand or earth may
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as the	his will spread the fire.	
Specific hazards arising from the chemical	Vapors may form explosive mixtures with air of ignition and flash back. This product is a p electrostatically charged. If sufficient charge occur. To reduce potential for static discharg This liquid may accumulate static electricity electricity accumulation may be significantly or other contaminants. Material will float and hazardous to health may be formed.	boor conductor of electricity an is accumulated, ignition of flar le, use proper bonding and gro when filling properly grounded increased by the presence of	d can become mmable mixtures can bunding procedures. containers. Static small quantities of wate
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full p	-	
Fire fighting equipment/instructions	In case of fire and/or explosion do not breath so without risk.		
Specific methods	Use standard firefighting procedures and co	nsider the hazards of other inv	olved materials.

6. Accidental release mea	isures
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. Avoid breathing 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.
Environmental precautions	Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. 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. Avoid breathing mist/vapors. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Use only outdoors or in a well-ventilated area. 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 Limi		
Components	Туре	Value
Methyl Methacrylate (CAS 80-62-6)	STEL	100 ppm
	TWA	50 ppm
US. NIOSH: Pocket Guide t	to Chemical Hazards	
Components	Туре	Value
Methyl Methacrylate (CAS 80-62-6)	TWA	410 mg/m3
		100 ppm
Biological limit values	No biological exposure limits noted	for the ingredient(s).
Appropriate engineering controls	Ventilation rates should be matche exhaust ventilation, or other engine	exhaust ventilation. Good general ventilation should be used. ad to conditions. If applicable, use process enclosures, local eering controls to maintain airborne levels below recommended have not been established, maintain airborne levels to an a station and safety shower.
ndividual protection measures	s, such as personal protective equip	oment
Eye/face protection	Chemical respirator with organic va	apor cartridge and full facepiece.
Skin protection		
Hand protection	Wear appropriate chemical resista	nt gloves.
Other	Wear appropriate chemical resista	nt clothing.
Respiratory protection	Chemical respirator with organic va	apor cartridge and full facepiece.
Thermal hazards	Wear appropriate thermal protective	ve clothing, when necessary.
General hygiene considerations	after handling the material and bef	observe good personal hygiene measures, such as washing ore eating, drinking, and/or smoking. Routinely wash work to remove contaminants. Contaminated work clothing should no
9. Physical and chemical	properties	
	Deate	

Appearance	Paste.
Physical state	Liquid.
Form	Paste.
Color	Off-white
Odor	Fragrant
Odor threshold	Not available.
рН	Not available.
Melting point/freezing point	-54.4 °F (-48 °C) estimated
Initial boiling point and boiling range	212.9 °F (100.5 °C) estimated
Flash point	50.0 °F (10.0 °C) estimated
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or exp	losive limits
Flammability limit - lower (%)	2.1 % estimated
Flammability limit - upper (%)	12.5 % estimated
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	44.08 hPa estimated
Vapor density	Not available.
Relative density	Not available.
-	

Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
/iscosity	Not available.
Other information	
Density	0.97 g/cm3 estimated
Explosive properties	Not explosive.
Flammability class	Flammable IB estimated
Oxidizing properties	Not oxidizing.
Specific gravity	0.97 estimated
10. Stability and reactivi	ty
Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous eactions	Hazardous polymerization does not occur.
Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
ncompatible materials	Strong oxidizing agents. Nitrates. Peroxides.
lazardous decomposition products	No hazardous decomposition products are known.
11. Toxicological inform	ation
nformation on likely routes of	i exposure
Inhalation	Harmful if inhaled.
Skin contact	Causes skin irritation. May cause an allergic skin reaction.
Eye contact	Causes serious eye irritation.
Ingestion	Knowledge about health hazard is incomplete.
Symptoms related to the	Severe eve irritation Symptoms may include stinging tearing redness swelling and blurred

Symptoms related to the physical, chemical and toxicological characteristics Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory irritation. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.

Information on toxicological effects

Acute toxicity Harmful if inhaled.

Components	Species	Test Results
DODECYL METHACRYLA	TE (CAS 142-90-5)	
<u>Acute</u>		
Oral		
LD50	Rat	> 5 g/kg
MALEIC ACID (CAS 110-1	6-7)	
Acute		
Dermal		
LD50	Rabbit	1560 mg/kg
Oral		
LD50	Rat	708 mg/kg
Methyl Methacrylate (CAS	80-62-6)	
Acute		
Inhalation		
LC50	Mouse	18.5 mg/l, 2 Hours
Oral		
LD50	Rat	7800 mg/kg

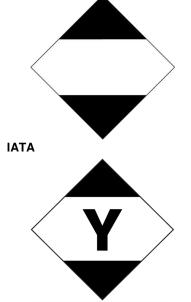
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/eye irritation	Causes serious eye irritation.
Respiratory or skin sensitization	n
ACGIH sensitization	
METHYL METHACRYLA	TE (CAS 80-62-6) Dermal sensitization
Respiratory sensitization	Due to partial or complete lack of data the classification is not possible.
Skin sensitization	May cause an allergic skin reaction.
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
Methyl Methacrylate (CA: Poly(2-chloro-1,3-butadie OSHA Specifically Regulate	
Not listed. US. National Toxicology Pro Not listed.	ogram (NTP) Report on Carcinogens
Reproductive toxicity	Due to partial or complete lack of data the classification is not possible.
Specific target organ toxicity -	May cause respiratory irritation.
single exposure	
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.
Chronic effects	Prolonged inhalation may be harmful.
12. Ecological information	n
Ecotoxicity	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
Persistence and degradability	No data is available on the degradability of any ingredients in the mixture.
Bioaccumulative potential	
Partition coefficient n-octan	
MALEIC ACID Methyl Methacrylate	-0.48 1.38
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 consideratio	ins
Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. 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 emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.
14. Transport information	
DOT	

UN proper shipping name	Adhesives, containing a flammable liquid, Limited Quantity
Material name: PLEXUS® MA530 Ad	hesive

UN1133

UN number

Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	3
Packing group	
	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
IATA	
UN number	UN1133
UN proper shipping name	Adhesives containing flammable liquid, Limited Quantity
Transport hazard class(es)	ranooroo containing hanmable iquid, Linitod Gaanty
Class	3
Subsidiary risk	-
Packing group	III
Environmental hazards	No.
ERG Code	3L
Special precautions for user Other information	Read safety instructions, SDS and emergency procedures before handling.
Passenger and cargo aircraft	Allowed with restrictions.
Cargo aircraft only	Allowed with restrictions.
IMDG	
UN number	UN1133
UN proper shipping name	ADHESIVES containing flammable liquid, Limited Quantity
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Packing group	
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 to Annex II of MARPOL 73/78 and the IBC Code	Not established.
DOT; IMDG	



15. Regulatory information	on			
S federal regulations	This product is a "Haz Standard, 29 CFR 191		efined by the OSHA Hazard (Communication
US EPCRA (SARA Title	e III) Section 313 - Toxic	Chemical: De minimis	s concentration	
Methyl Methacrylate	. ,	% 1.0		
•	e III) Section 313 - Toxic		stance	
Methyl Methacrylate	· ,	Listed.		
Toxic Substances Control	. ,			
TSCA Section 12(b) Ex Not regulated.	port Notification (40 CF	R 707, Subpt. D)		
CERCLA Hazardous Subst	ance List (40 CFR 302.4)		
MALEIC ACID (CAS 110	-	, Listed.		
Methyl Methacrylate (CA	AS 80-62-6)	Listed.		
SARA 304 Emergency releated.	ase notification			
OSHA Specifically Regulate	ed Substances (29 CFR	1910.1001-1053)		
Not listed.				
uperfund Amendments and R		986 (SARA)		
SARA 302 Extremely hazar	dous substance			
Not listed.	N.			
SARA 311/312 Hazardous chemical	Yes			
Classified hazard		erosols, liquids, or solid	s)	
categories	Acute toxicity (any rou Skin corrosion or irrita			
	SKIII CUITUSIUII ULIIIILA			
	Serious eve damage o			
	Serious eye damage o Respiratory or skin se	or eye irritation nsitization		
	Respiratory or skin se Specific target organ t	or eye irritation nsitization oxicity (single or repeat	ed exposure)	
SABA 212 (TPI reporting)	Respiratory or skin se	or eye irritation nsitization oxicity (single or repeat	ed exposure)	
SARA 313 (TRI reporting) Chemical name	Respiratory or skin se Specific target organ t	or eye irritation nsitization oxicity (single or repeat classified (HNOC)		
Chemical name	Respiratory or skin se Specific target organ t	or eye irritation nsitization oxicity (single or repeat	ted exposure) % by wt. 40 - 60	
Chemical name Methyl Methacrylate	Respiratory or skin se Specific target organ t	or eye irritation nsitization oxicity (single or repeat classified (HNOC) CAS number	% by wt.	
Chemical name Methyl Methacrylate ther federal regulations	Respiratory or skin se Specific target organ t Hazard not otherwise	or eye irritation nsitization oxicity (single or repeat classified (HNOC) CAS number 80-62-6	% by wt.	
Chemical name Methyl Methacrylate other federal regulations Clean Air Act (CAA) Sectio	Respiratory or skin se Specific target organ t Hazard not otherwise n 112 Hazardous Air Po	or eye irritation nsitization oxicity (single or repeat classified (HNOC) CAS number 80-62-6	% by wt.	
Chemical name Methyl Methacrylate ther federal regulations	Respiratory or skin se Specific target organ t Hazard not otherwise n 112 Hazardous Air Po AS 80-62-6)	or eye irritation nsitization oxicity (single or repeat classified (HNOC) CAS number 80-62-6 Ilutants (HAPs) List	% by wt. 40 - 60	
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Chemical name Methyl Methacrylate Ther federal regulations Clean Air Act (CAA) Sectio Methyl Methacrylate (CA Clean Air Act (CAA) Sectio Not regulated. Safe Drinking Water Act (SDWA)	Respiratory or skin se Specific target organ t Hazard not otherwise n 112 Hazardous Air Po AS 80-62-6) n 112(r) Accidental Rele Contains component(s	or eye irritation nsitization oxicity (single or repeat classified (HNOC) <u>CAS number</u> 80-62-6 Ilutants (HAPs) List ease Prevention (40 Cl s) regulated under the S	<u>% by wt.</u> 40 - 60 FR 68.130)	ce
Chemical name Methyl Methacrylate Ther federal regulations Clean Air Act (CAA) Sectio Methyl Methacrylate (CA Clean Air Act (CAA) Sectio Not regulated. Safe Drinking Water Act (SDWA)	Respiratory or skin se Specific target organ t Hazard not otherwise n 112 Hazardous Air Po AS 80-62-6) n 112(r) Accidental Rele Contains component(s	or eye irritation nsitization oxicity (single or repeat classified (HNOC) <u>CAS number</u> 80-62-6 Ilutants (HAPs) List ease Prevention (40 Cl s) regulated under the S	<u>% by wt.</u> 40 - 60 FR 68.130) Safe Drinking Water Act.	ce
Chemical name Methyl Methacrylate Other federal regulations Clean Air Act (CAA) Sectio Methyl Methacrylate (CA Clean Air Act (CAA) Sectio Not regulated. Safe Drinking Water Act (SDWA) FEMA Priority Substan	Respiratory or skin se Specific target organ t Hazard not otherwise n 112 Hazardous Air Po AS 80-62-6) n 112(r) Accidental Rele Contains component(s	or eye irritation nsitization oxicity (single or repeat classified (HNOC) CAS number 80-62-6 Ilutants (HAPs) List ease Prevention (40 Cl s) regulated under the S and Safety in the Flav	<u>% by wt.</u> 40 - 60 FR 68.130) Safe Drinking Water Act.	ce
Chemical name Methyl Methacrylate Other federal regulations Clean Air Act (CAA) Sectio Methyl Methacrylate (CA Clean Air Act (CAA) Sectio Not regulated. Safe Drinking Water Act (SDWA) FEMA Priority Substan Methyl Methacrylate	Respiratory or skin se Specific target organ t Hazard not otherwise n 112 Hazardous Air Po AS 80-62-6) n 112(r) Accidental Rele Contains component(s	or eye irritation nsitization oxicity (single or repeat classified (HNOC) CAS number 80-62-6 Ilutants (HAPs) List ease Prevention (40 Cl s) regulated under the S and Safety in the Flav	<u>% by wt.</u> 40 - 60 FR 68.130) Safe Drinking Water Act.	ce
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Chemical name Methyl Methacrylate Ther federal regulations Clean Air Act (CAA) Sectio Methyl Methacrylate (CA Clean Air Act (CAA) Sectio Not regulated. Safe Drinking Water Act (SDWA) FEMA Priority Substan Methyl Methacrylate S state regulations California Proposition 65 WARNING: T	Respiratory or skin se Specific target organ t Hazard not otherwise n 112 Hazardous Air Po AS 80-62-6) n 112(r) Accidental Rela Contains component(s contains component(s (CAS 80-62-6) his product can expose y f California to cause canc ause birth defects or othe	or eye irritation nsitization oxicity (single or repeat classified (HNOC) <u>CAS number</u> 80-62-6 Ilutants (HAPs) List ease Prevention (40 Cl s) regulated under the S and Safety in the Flav Low priority	<u>% by wt.</u> 40 - 60 FR 68.130) Safe Drinking Water Act. For Manufacturing Workplace Ing Titanium Dioxide, which is	s known to the State
Chemical name Methyl Methacrylate ther federal regulations Clean Air Act (CAA) Sectio Methyl Methacrylate (CA Clean Air Act (CAA) Sectio Not regulated. Safe Drinking Water Act (SDWA) FEMA Priority Substan Methyl Methacrylate S state regulations California Proposition 65 WARNING: T od Ca	Respiratory or skin se Specific target organ t Hazard not otherwise n 112 Hazardous Air Po AS 80-62-6) n 112(r) Accidental Rele Contains component(s Contains component(s contain	or eye irritation nsitization oxicity (single or repeat classified (HNOC) <u>CAS number</u> 80-62-6 Ilutants (HAPs) List ease Prevention (40 Cl s) regulated under the S and Safety in the Flav Low priority ou to chemicals includin eer, and Ethylene Glyco or reproductive harm. Fo ov.	% by wt. 40 - 60 FR 68.130) Safe Drinking Water Act. For Manufacturing Workplace Ing Titanium Dioxide, which is I, which is known to the State or more information go	s known to the State
Chemical name Methyl Methacrylate ther federal regulations Clean Air Act (CAA) Sectio Methyl Methacrylate (CA Clean Air Act (CAA) Sectio Not regulated. Safe Drinking Water Act (SDWA) FEMA Priority Substan Methyl Methacrylate S state regulations California Proposition 65 WARNING: T California Proposition	Respiratory or skin se Specific target organ t Hazard not otherwise n 112 Hazardous Air Po AS 80-62-6) n 112(r) Accidental Rele Contains component(s Contains component(s ces Respiratory Health e (CAS 80-62-6) his product can expose y f California to cause canc ause birth defects or othe o www.P65Warnings.ca.g 65 - CRT: Listed date/C	or eye irritation nsitization oxicity (single or repeat classified (HNOC) <u>CAS number</u> 80-62-6 Ilutants (HAPs) List ease Prevention (40 Cl s) regulated under the S and Safety in the Flav Low priority ou to chemicals includin er, and Ethylene Glyco or reproductive harm. For ov. arcinogenic substance	% by wt. 40 - 60 FR 68.130) Safe Drinking Water Act. For Manufacturing Workplace Ing Titanium Dioxide, which is I, which is known to the State or more information go	s known to the State
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International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	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

Issue date	07-12-2019
Version #	01
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.

SAFETY DATA SHEET

1. Identification

1. Identification		
Product identifier	PLEXUS® MA530 White Activator	
Other means of identification		
SKU#	0620	
Recommended use	Not available.	
Recommended restrictions	None known.	
Manufacturer/Importer/Supplie	r/Distributor information	
Manufacturer		
Company name Address	ITW Performance Polymers 30 Endicott Street Danvers, MA 01923 United States	
Telephone	Customer Service 978-777-1100	
Website	www.itwperformancepolymers.com	
E-mail	Not available. EHS Department	
Contact person Emergency phone number	Chemtrec 800-424-9300	
Emergency phone number	International 703-527-3887	
2. Hazard(s) identificatio	n	
Physical hazards	Flammable liquids	Category 2
Health hazards	Acute toxicity, inhalation	Category 4
	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2A
	Sensitization, skin	Category 1A
	Specific target organ toxicity, single exposure	e 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 s Causes serious eye irritation. Harmful if inha	kin irritation. May cause an allergic skin reaction. Ied. 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. 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/eye protection/face protection.	
Response	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. Call a poison center/doctor if you feel unwell. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. In case of fire: Use appropriate media to extinguish.	
Storage	Keep cool. Store in a well-ventilated place. Keep container tightly closed. Store locked up.	

Material name: PLEXUS® MA530 White Activator 0620 Version #: 01 Issue date: 12-16-2019

Hazard(s) not otherwise classified (HNOC) Supplemental information

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.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Methyl Methacrylate		80-62-6	40 - 60
Benzyl 3-isobutyryloxy-1-isopropyl- ethylpropyl Phthalate	2,2-dim	16883-83-3	2.5 - 10
Titanium Dioxide	TITANIUM DIOXIDE	13463-67-7	2.5 - 10
Other components below reportable levels			20 - 40
4. First-aid measures			
nhalation	Remove victim to fresh air and keep at rest in artificial respiration if needed. Call a poison c		

	antificial respiration if needed. Call a poison center or doctor/physician if you reel unwell.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. 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. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory irritation. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.
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. Keep victim warm. 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

<u> </u>	
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 mea	b. Accidental release measures	
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. Avoid breathing 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. Avoid breathing mist/vapors. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Use only outdoors or in a well-ventilated area. 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.

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)				
Components	Туре	Value	Form	
Methyl Methacrylate (CAS 80-62-6)	PEL	410 mg/m3		
		100 ppm		
Titanium Dioxide (CAS 13463-67-7)	PEL	15 mg/m3	Total dust.	

US. OSHA Table Z-3 (29 CF Components	Туре	Value	Form
Titanium Dioxide (CAS 13463-67-7)	TWA	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
		50 mppcf	Total dust.
		15 mppcf	Respirable fraction.
US. ACGIH Threshold Limi	t Values		
Components	Туре	Value	
Methyl Methacrylate (CAS 80-62-6)	STEL	100 ppm	
	TWA	50 ppm	
Titanium Dioxide (CAS 13463-67-7)	TWA	10 mg/m3	
US. NIOSH: Pocket Guide t			
Components	Туре	Value	
Methyl Methacrylate (CAS 80-62-6)	TWA	410 mg/m3	
		100 ppm	
logical limit values	No biological exposure limits noted	for the ingredient(s).	
propriate engineering htrols	Explosion-proof general and local e Ventilation rates should be matched exhaust ventilation, or other engine exposure limits. If exposure limits h acceptable level. Provide eyewash	d to conditions. If applicable, use ering controls to maintain airbor ave not been established, main	e process enclosures, local ne levels below recommende
ividual protection measures Eye/face protection	s, such as personal protective equip Chemical respirator with organic va		
Skin protection			
Hand protection	Wear appropriate chemical resistar	nt gloves.	
Other	Wear appropriate chemical resistar	nt clothing.	
Respiratory protection	Chemical respirator with organic va	por cartridge and full facepiece.	
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.		
neral hygiene isiderations	When using do not smoke. Always after handling the material and befor clothing and protective equipment t be allowed out of the workplace.	pre eating, drinking, and/or smol	king. Routinely wash work
Physical and chemical	properties		
pearance	Paste.		
Physical state	Liquid.		
Form	Paste.		
Color	Not available.		
or	Fragrant		

Odor	Fragrant
Odor threshold	Not available.
рН	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	
Flash point	50.0 °F (10.0 °C) estimated
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.

Upper/lower flammability or exp	Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	1.7 %	
Flammability limit - upper (%)	12.5 %	
Explosive limit - lower (%)	Not available.	
Explosive limit - upper (%)	Not available.	
Vapor pressure	28 mm Hg	
Vapor density	Not available.	
Relative density	Not available.	
Solubility(ies)		
Solubility (water)	Not available.	
Partition coefficient (n-octanol/water)	Not available.	
Auto-ignition temperature	Not available.	
Decomposition temperature	Not available.	
Viscosity	Not available.	
Other information		
Density	0.94 g/cm3 estimated	
Explosive properties	Not explosive.	
Flammability class	Flammable IB estimated	
Oxidizing properties	Not oxidizing.	
Specific gravity	0.94 estimated	

10. Stability and reactivity

-	
Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents. Nitrates. Peroxides.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

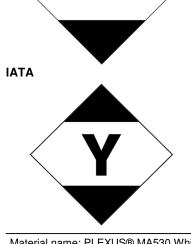
Information on likely routes of	exposure		
Inhalation	Harmful if inhaled.		
Skin contact	Causes skin irritation. May cause	an allergic skin reaction.	
Eye contact	Causes serious eye irritation.		
Ingestion	Knowledge about health hazard is incomplete.		
Symptoms related to the physical, chemical and toxicological characteristics	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory irritation. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.		
Information on toxicological ef	fects		
Acute toxicity	Harmful if inhaled.		
Components	Species	Test Results	
Mothyl Mothaonylata (CAS 80.62	6)		

Methyl Methacrylate (CAS	80-62-6)	
<u>Acute</u>		
Inhalation		
LC50	Mouse	18.5 mg/l, 2 Hours
Oral		
LD50	Rat	7800 mg/kg

Skin corrosion/irritation Serious eye damage/eye	Causes skin irritation.	
Serious eye damage/eye	• · · · ·	
irritation	Causes serious eye irrita	ation.
Respiratory or skin sensitization	n	
ACGIH sensitization		
METHYL METHACRYLA	TE (CAS 80-62-6)	Dermal sensitization
Respiratory sensitization	Due to partial or comple	te lack of data the classification is not possible.
Skin sensitization	May cause an allergic sl	kin reaction.
Germ cell mutagenicity	Due to partial or comple	te lack of data the classification is not possible.
Carcinogenicity	Due to partial or comple	te lack of data the classification is not possible.
IARC Monographs. Overall	Evaluation of Carcinoger	nicity
Methyl Methacrylate (CA Titanium Dioxide (CAS 1 OSHA Specifically Regulate	3463-67-7)	3 Not classifiable as to carcinogenicity to humans. 2B Possibly carcinogenic to humans. 910.1001-1053)
Not listed. US. National Toxicology Pro	ogram (NTP) Report on C	arcinogens
Not listed.	-	
Reproductive toxicity		te lack of data the classification is not possible.
Specific target organ toxicity - single exposure	May cause respiratory irritation.	
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.	
Chronic effects	Prolonged inhalation may be harmful.	
12. Ecological information	n	
Ecotoxicity		ified as environmentally hazardous. However, this does not exclude the requent spills can have a harmful or damaging effect on the environment.
Persistence and degradability	No data is available on t	he degradability of any ingredients in the mixture.
Bioaccumulative potential		
Partition coefficient n-octar Methyl Methacrylate	ol / water (log Kow)	1.38
Mobility in soil	No data available.	
Other adverse effects		nmental effects (e.g. ozone depletion, photochemical ozone creation uption, global warming potential) are expected from this component.
13. Disposal consideratio	ns	
Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. 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		e material with a flash point <140 F be assigned in discussion between the user, the producer and the waste
Waste from residues / unused products		e with local regulations. Empty containers or liners may retain some naterial and its container must be disposed of in a safe manner (see:
Contaminated packaging	emptied. Empty containe	s may retain product residue, follow label warnings even after container is ers should be taken to an approved waste handling site for recycling or
	disposal.	
14. Transport information	•	
14. Transport information	•	

UN number	UN1133
UN proper shipping name	Adhesives, containing a flammable liquid, Limited Quantity

Transport hazard class(es)3Class3Subsidiary risk-Label(s)3Packing groupIIISpecial precautions for userRead safety instructions, SDS and emergency procedures before handling.Special provisionsB1, B52, IB3, T2, TP1Packaging exceptions150Packaging on bulk173Packaging polk242IATAUN numberUN1133UN proper shipping nameAdhesives containing flammable liquid, Limited QuantityClass3Subsidiary risk-Packing groupIIIEnvironmental hazardsNo.ERG Code3LSpecial precautions for userRead safety instructions, SDS and emergency procedures before handling.Other informationAllowed with restrictions.Passenger and cargoAllowed with restrictions.aircraftCargo aircraft onlyUN numberUN1133UN proper shipping nameADHESIVES containing flammable liquid, Limited QuantityPaseing and cargoAllowed with restrictions.IMDGUN 1133UN proper shipping nameADHESIVES containing flammable liquid, Limited QuantityImage: Transport hazard class(es)-Class3Subsidiary risk-Packing groupIIIEnvironmental hazards-Marine pollutantNo.EmSF.E, S-DSpecial precautions for userRead safety instructions, SDS and emergency procedures before handling.	Tropoport bozord close(co)	
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<i>'</i>	DOT: IMDG	
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15. Regulatory informatio	n			
US federal regulations	This product is a "Hazar Standard, 29 CFR 1910.		lefined by the OSHA Hazard Communicati	ion
US EPCRA (SARA Title	III) Section 313 - Toxic C	hemical: De minimi	is concentration	
Methyl Methacrylate		% 1.0		
US EPCRA (SARA Title Methyl Methacrylate	III) Section 313 - Toxic C (CAS 80-62-6)	hemical: Listed sub Listed.	ostance	
Toxic Substances Control	Act (TSCA)			
TSCA Section 12(b) Exp Not regulated.	port Notification (40 CFR	707, Subpt. D)		
CERCLA Hazardous Substa	nce List (40 CFR 302.4)			
Methyl Methacrylate (CA SARA 304 Emergency relea	S 80-62-6)	Listed.		
Not regulated. OSHA Specifically Regulate Not listed.		910.1001-1053)		
Superfund Amendments and Re SARA 302 Extremely hazard Not listed.		6 (SARA)		
SARA 311/312 Hazardous chemical	Yes			
Classified hazard categories	Flammable (gases, aero Acute toxicity (any route Skin corrosion or irritatio Serious eye damage or Respiratory or skin sens Specific target organ tox Hazard not otherwise cla	of exposure) on eye irritation itization ticity (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) Sectior	112 Hazardous Air Pollu	utants (HAPs) List		
Methyl Methacrylate (CA Clean Air Act (CAA) Sectior	S 80-62-6)		FR 68.130)	
Not regulated.				
Safe Drinking Water Act (SDWA)	Contains component(s)	regulated under the	Safe Drinking Water Act.	
FEMA Priority Substand	ces Respiratory Health ar	nd Safety in the Flav	vor Manufacturing Workplace	
Methyl Methacrylate	(CAS 80-62-6)	Low priority		
US state regulations				
California Proposition 65				
Ca		nd birth defects or ot	ing BUTADIENE, which is known to the St her reproductive harm. For more informati	
California Proposition 6	65 - CRT: Listed date/Car	cinogenic substand	ce	
BUTADIENE (CAS 1 Ethyl Acrylate (CAS Titanium Dioxide (CA California Proposition (140-88-5)	Listed: April Listed: July 1 Listed: Septe relopmental toxin	, 1989	
BUTADIENE (CAS 1		Listed: April	16, 2004	
	65 - CRT: Listed date/Fem	•		
BUTADIENE (CAS 1 California Proposition (06-99-0) 65 - CRT: Listed date/Mal	Listed: April e reproductive toxi		
BUTADIENE (CAS 1		Listed: April		

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

Methyl Methacrylate (CAS 80-62-6) Titanium Dioxide (CAS 13463-67-7)

International Inventories

Country(s) or region	Inventory name Or	n inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
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)	Yes
New Zealand	New Zealand Inventory	Yes
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 "Vaa" indiaataa that all aama	enerts of this product comply with the inventory requirements administered by the appendi	a = a = u = t = u (a)

*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

Issue date	12-16-2019
Version #	01
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.