SAFETY DATA SHEET

1. Identification

Product identifier PLEXUS® MA330 Adhesive

Other means of identification

SKU# IT731

Recommended useNot available. **Recommended restrictions**None known.

Manufacturer/Importer/Supplier/Distributor information

Company name ITW Performance Polymers

Address 35 Brownridge Rd

Unit 1

Halton Hills, ON L7G 0C6

Contact personCustomer ServiceTelephone number978-777-1100

Fax E-mail

Emergency telephone

number

800-424-9300

Supplier Not available.

2. Hazard identification

Physical hazardsFlammable liquidsCategory 2Health hazardsAcute toxicity, inhalationCategory 4Skin corrosion/irritationCategory 2Serious eve damage/eve irritationCategory 2A

Serious eye damage/eye irritation Category 2A
Sensitization, skin Category 1A

Specific target organ toxicity following single

exposure

Environmental hazards Not classified.

Label elements



Signal word Danger

Hazard statement Highly flammable liquid and vapour. Causes skin irritation. May cause an allergic skin reaction.

Causes serious eye irritation. Harmful if inhaled. May cause respiratory irritation.

Precautionary statement Prevention

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Wash thoroughly after handling. Use only outdoors or in a

Category 3 respiratory tract irritation

well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.

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Response IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. 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 CENTRE/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.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards None known.

Supplemental information None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Methyl methacrylate		80-62-6	53.43
CHLOROSULFINATED POLYETHLENE		68037-39-8	20.99
DIISODECYL ADIPATE		27178-16-1	3.49
Titanium dioxide		13463-67-7	3.16
Maleic acid		110-16-7	2.35
DIISODECYL PHTHALATE (DIDP		26761-40-0	1.41
BUTYLATED HYDROXYTOLUEN (BHT)		128-37-0	1.13
Cumene hydroperoxide		80-15-9	1
Hydroquinone		123-31-9	0.01
Other components below reportab	le levels		13.02

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or

artificial respiration if needed. Call a poison centre or doctor/physician if you feel 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 allowing place of the properties. Back

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.

observation. Symptoms may be delayed.

General informationTake 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

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.

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Specific hazards arising from the chemical

Vapours may form explosive mixtures with air. Vapours 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
General fire hazards

Use standard firefighting procedures and consider the hazards of other involved materials.

Highly flammable liquid and vapour.

6. 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/vapours. 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/vapours. 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

SUTVILATED	US. ACGIH Threshold Limit Values Components	Туре	Value	Form
AVDROQUINONE (CAS 1 mg/m3 1 mg	BUTYLATED HYDROXYTOLUENE (BHT)		2 mg/m3	
METHYL METHACRYLATE STEL 100 ppm	HYDROQUINONE (CAS	TWA	1 mg/m3	
Titanium dioxide (CAS TWA 10 mg/m3 13463-67-7) Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2) Components Type Value SUTYLATED TWA 10 mg/m3 VAPOROXYTOLUENE (BHT) CAS 128-37-0) TWA 10 mg/m3 VAPOROXYTOLUENE (BHT) CAS 128-37-0) TWA 205 mg/m3 SO ppm TWA 205 mg/m3 SO ppm TWA 205 mg/m3 SO ppm TWA 10 mg/m3 TO ppm TWA 10 mg/m3 TO ppm TWA TO ppm TWA	METHYL METHACRYLATE (CAS 80-62-6)	STEL	100 ppm	
Canada Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)	,	TWA	50 ppm	
Type Value	Titanium dioxide (CAS 13463-67-7)	TWA	10 mg/m3	
### STATE TWA 10 mg/m3 10 m	Canada. Alberta OELs (Occupationa	al Health & Safety Code, Scl	hedule 1, Table 2)	
HYDROXYTOLUENE (BHT) CAS 100 ppm	Components	Туре	Value	
123-31-9	BUTYLATED HYDROXYTOLUENE (BHT) (CAS 128-37-0)	TWA	10 mg/m3	
TWA 205 mg/m3 50 ppm 5	HYDROQUINONE (CAS 123-31-9)	TWA	2 mg/m3	
TWA 205 mg/m3 50 ppm Titanium dioxide (CAS TWA 10 mg/m3 (3463-67-7) Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) Components Type Value Form BUTYLATED TWA 2 mg/m3 Vapor and aerosol, inhalable. CAS 128-37-0) HYDROQUINONE (CAS TWA 1 mg/m3 (23-31-9) WETHYL METHACRYLATE STEL 100 ppm CAS 80-62-6) TWA 50 ppm Titanium dioxide (CAS TWA 3 mg/m3 Respirable fraction. 13463-67-7) TO mg/m3 Total dust. Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act) Components Type Value Form BUTYLATED TWA 2 mg/m3 Inhalable fraction and vapor. WAD 1 mg/m3 TOTAL DESTRUCTION OF TWA 1 mg/m3 BUTYLATED TWA 50 ppm FITAL TWA 50 ppm	METHYL METHACRYLATE (CAS 80-62-6)	STEL	410 mg/m3	
Titanium dioxide (CAS TWA 10 mg/m3 13463-67-7) Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) Components Type Value Form BUTYLATED TWA 2 mg/m3 Vapor and aerosol, inhalable. (CAS 128-37-0) HYDROQUINONE (CAS TWA 1 mg/m3 123-31-9) METHYL METHACRYLATE STEL 100 ppm Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act) Components TWA 2 mg/m3 Total dust. Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act) Components TWA 1 mg/m3 Inhalable fraction and vapor. BUTYLATED TWA 2 mg/m3 Inhalable fraction and vapor. HYDROXYTOLUENE (BHT) TWA 1 mg/m3 BUTYLATED TWA 50 ppm FITAIN METHACRYLATE STEL 100 ppm GAS 80-62-6) TWA 50 ppm FITAIN METHACRYLATE STEL 100 ppm FITAIN METHACRYLATE STEL 100 ppm FITAIN MA 50 ppm			100 ppm	
Titanium dioxide (CAS TWA 10 mg/m3 10		TWA	205 mg/m3	
Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) Components Type Value Form BUTYLATED TWA 2 mg/m3 Vapor and aerosol, inhalable. CAS 128-37-0) HYDROXYTOLUENE (BHT) CAS 128-37-9) METHYL METHACRYLATE STEL 100 ppm CAS 80-62-6) TWA 50 ppm Titanium dioxide (CAS 17WA 3 mg/m3 Respirable fraction. Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act) Components Type Value Form BUTYLATED TWA 2 mg/m3 Inhalable fraction and vapor. CAS 128-37-0) HYDROXYTOLUENE (BHT) CAS 128-37-0) HYDROXYTOLUENE (BHT) CAS 128-37-0) HYDROXYTOLUENE (CAS TWA 1 mg/m3 Inhalable fraction and vapor. TWA 50 ppm Fitanium dioxide (CAS TWA 50 ppm TWA 50 ppm Fitanium dioxide (CAS TWA 50 ppm Titanium dioxide (CAS TWA 50 ppm Titanium dioxide (CAS TWA 50 ppm Fitanium dioxide (CAS TWA 10 mg/m3			50 ppm	
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Components Type Value Form BUTYLATED HYDROXYTOLUENE (BHT) (CAS 128-37-0) TWA 2 mg/m3 Inhalable fraction and vapor. HYDROQUINONE (CAS 123-31-9) TWA 1 mg/m3 METHYL METHACRYLATE (CAS 80-62-6) STEL TWA 100 ppm Titanium dioxide (CAS TWA 10 mg/m3	13463-67-7) Canada. British Columbia OELs. (Oc Safety Regulation 296/97, as amend Components BUTYLATED HYDROXYTOLUENE (BHT) (CAS 128-37-0) HYDROQUINONE (CAS 123-31-9) METHYL METHACRYLATE	ccupational Exposure Limit ed) Type TWA TWA STEL TWA	Value 2 mg/m3 1 mg/m3 100 ppm 50 ppm	Form Vapor and aerosol, inhalable.
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DUE 4 ATES	Туре	Value	Form
BUTYLATED HYDROXYTOLUENE (BHT) (CAS 128-37-0)	TWA	2 mg/m3	Inhalable fraction and vapor.
DIISODECYL PHTHALATE (DIDP) (CAS 26761-40-0)	TWA	5 mg/m3	
HYDROQUINONE (CAS 123-31-9)	TWA	1 mg/m3	
METHYL METHACRYLATE (CAS 80-62-6)	STEL	100 ppm	
	TWA	50 ppm	
Titanium dioxide (CAS 13463-67-7)	TWA	10 mg/m3	
Canada. Quebec OELs. (Mini Components	stry of Labor - Regulation respecting Type	occupational health and sa Value	afety) Form
BUTYLATED HYDROXYTOLUENE (BHT) (CAS 128-37-0)	TWA	10 mg/m3	
HYDROQUINONE (CAS 123-31-9)	TWA	2 mg/m3	
METHYL METHACRYLATE (CAS 80-62-6)	TWA	205 mg/m3	
		50 ppm	
Titanium dioxide (CAS 13463-67-7)	TWA	10 mg/m3	Total dust.
Canada. Saskatchewan OEL Components	s (Occupational Health and Safety Re Type	gulations, 1996, Table 21) Value	Form
BUTYLATED HYDROXYTOLUENE (BHT) (CAS 128-37-0)	15 minute	4 mg/m3	Inhalable fraction and vapor.
	8 hour	2 mg/m3	Inhalable fraction and vapor.
HYDROQUINONE (CAS 123-31-9)	15 minute	4 mg/m3	
	8 hour	2 mg/m3	
	15 minute	100 ppm	
METHYL METHACRYLATE (CAS 80-62-6)	To Illinois	FIF	
_	8 hour	50 ppm	
_			
(CAS 80-62-6) Titanium dioxide (CAS	8 hour	50 ppm	
(CAS 80-62-6) Titanium dioxide (CAS	8 hour 15 minute	50 ppm 20 mg/m3 10 mg/m3	
(CAS 80-62-6) Titanium dioxide (CAS 13463-67-7) logical limit values propriate engineering trols	8 hour 15 minute 8 hour No biological exposure limits noted for Explosion-proof general and local exha Ventilation rates should be matched to exhaust ventilation, or other engineerin exposure limits. If exposure limits have acceptable level. Provide eyewash stat	50 ppm 20 mg/m3 10 mg/m3 the ingredient(s). ust ventilation. Good general conditions. If applicable, use g controls to maintain airborr not been established, maintain and safety shower.	process enclosures, local ne levels below recommen
(CAS 80-62-6) Titanium dioxide (CAS 13463-67-7) logical limit values propriate engineering trols	8 hour 15 minute 8 hour No biological exposure limits noted for Explosion-proof general and local exha Ventilation rates should be matched to exhaust ventilation, or other engineerin exposure limits. If exposure limits have	50 ppm 20 mg/m3 10 mg/m3 the ingredient(s). ust ventilation. Good general conditions. If applicable, use g controls to maintain airborr not been established, maintain and safety shower.	process enclosures, local le levels below recommen ain airborne levels to an
(CAS 80-62-6) Titanium dioxide (CAS 13463-67-7) logical limit values propriate engineering trols	8 hour 15 minute 8 hour No biological exposure limits noted for Explosion-proof general and local exha Ventilation rates should be matched to exhaust ventilation, or other engineerin exposure limits. If exposure limits have acceptable level. Provide eyewash stat such as personal protective equipments	50 ppm 20 mg/m3 10 mg/m3 the ingredient(s). ust ventilation. Good general conditions. If applicable, use g controls to maintain airborr not been established, maintaion and safety shower. nt r cartridge and full facepiece	process enclosures, local le levels below recommen ain airborne levels to an
(CAS 80-62-6) Titanium dioxide (CAS 13463-67-7) logical limit values propriate engineering trols vidual protection measures, see Eye/face protection	8 hour 15 minute 8 hour No biological exposure limits noted for Explosion-proof general and local exha Ventilation rates should be matched to exhaust ventilation, or other engineerin exposure limits. If exposure limits have acceptable level. Provide eyewash state such as personal protective equipment Chemical respirator with organic vapour	50 ppm 20 mg/m3 10 mg/m3 the ingredient(s). ust ventilation. Good general conditions. If applicable, use g controls to maintain airborr not been established, maintain and safety shower. nt r cartridge and full facepiece	process enclosures, local le levels below recommendain airborne levels to an
(CAS 80-62-6) Titanium dioxide (CAS 13463-67-7) logical limit values propriate engineering trols vidual protection measures, see Eye/face protection Skin protection Hand protection	8 hour 15 minute 8 hour No biological exposure limits noted for Explosion-proof general and local exha Ventilation rates should be matched to exhaust ventilation, or other engineerin exposure limits. If exposure limits have acceptable level. Provide eyewash state such as personal protective equipment Chemical respirator with organic vapour Wear appropriate chemical resistant gl	50 ppm 20 mg/m3 10 mg/m3 the ingredient(s). ust ventilation. Good general conditions. If applicable, use g controls to maintain airborr not been established, maintain and safety shower. nt r cartridge and full facepiece oves. othing.	process enclosures, local le levels below recommendain airborne levels to an

General hygiene considerations

When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

9. Physical and chemical properties

Appearance Paste. Liquid. Physical state **Form** Paste. Colour Off-white.

Odour Fragrant **Odour threshold** Not available. Not available. рH

-48 °C (-54.4 °F) estimated Melting point/freezing point 100.5 °C (212.9 °F) estimated Initial boiling point and boiling

range

Flash point 10.0 °C (50.0 °F) estimated

Evaporation rate Not available. Flammability (solid, gas) Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower

1.7 %

(%)

Flammability limit - upper 12.5 %

Not available. Explosive limit - lower (%) Explosive limit - upper Not available.

(%)

28 mm Hg @ 20 °C Vapour pressure

Not available. Vapour density Not available. Relative density

Solubility(ies)

Not available. Solubility (water) Not available. **Partition coefficient**

(n-octanol/water)

Auto-ignition temperature Not available. Not available. **Decomposition temperature Viscosity** Not available.

Other information

Density 1.04 g/cm3 estimated

Not explosive. **Explosive properties**

Flammable IB estimated Flammability class

Not oxidising **Oxidising properties** 1.04 estimated Specific gravity

10. Stability and reactivity

The product is stable and non-reactive under normal conditions of use, storage and transport. Reactivity

Material is stable under normal conditions. Chemical stability Possibility of hazardous Hazardous polymerisation does not occur.

reactions

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 oxidising agents. Nitrates. Peroxides.

Hazardous decomposition products

No hazardous decomposition products are known.

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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 effects

Acute toxicity Harmful if inhaled.

Components Species Test Results

BUTYLATED HYDROXYTOLUENE (BHT) (CAS 128-37-0)

Acute

Oral

LD50 Rat 890 mg/kg

DIISODECYL PHTHALATE (DIDP) (CAS 26761-40-0)

<u>Acute</u>

Dermal

LD50 Rabbit > 3160 mg/kg

Inhalation

LC50 Rat > 12.54 mg/l, 4 Hours

Oral

LD50 Rat 64000 mg/kg

Hydroquinone (CAS 123-31-9)

Acute

Dermal

LD50 Rat > 900 mg/kg

Maleic acid (CAS 110-16-7)

<u>Acute</u>

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 Causes serious eye irritation.

irritation

Respiratory or skin sensitisation

ACGIH sensitisation

Hydroquinone (CAS 123-31-9)

Methyl methacrylate (CAS 80-62-6)

Dermal sensitization

Dermal sensitization

Canada - Alberta OELs: Irritant

BUTYLATED HYDROXYTOLUENE (BHT) Irritant

(CAS 128-37-0)

Titanium dioxide (CAS 13463-67-7) Irritant

Material name: PLEXUS® MA330 Adhesive IT731 Version #: 01 Issue date: 27-May-2019 Canada - British Columbia OELs: Respiratory or skin sensitiser

Hydroquinone (CAS 123-31-9) Capable of causing respiratory, dermal or conjunctival

sensitization.

Methyl methacrylate (CAS 80-62-6) Capable of causing respiratory, dermal or conjunctival

sensitization.

Canada - Manitoba OELs Hazard: Dermal sensitization

Hydroquinone (CAS 123-31-9)

Methyl methacrylate (CAS 80-62-6)

Dermal sensitization

Dermal sensitization

Canada - Quebec OELs: Sensitizer

Methyl methacrylate (CAS 80-62-6) Sensitiser.

Canada - Saskatchewan OELs Hazard Data: Sensitiser

Methyl methacrylate (CAS 80-62-6) Sensitiser.

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

Skin sensitisation 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.

ACGIH Carcinogens

BUTYLATED HYDROXYTOLUENE (BHT)

A4 Not classifiable as a human carcinogen.

(CAS 128-37-0)

Hydroquinone (CAS 123-31-9)

A3 Confirmed animal carcinogen with unknown relevance to

humans.

Methyl methacrylate (CAS 80-62-6)

A4 Not classifiable as a human carcinogen.

Titanium dioxide (CAS 13463-67-7)

A4 Not classifiable as a human carcinogen.

Canada - Manitoba OELs: carcinogenicity

BUTYLATED HYDROXYTOLUENE (BHT) Not classifiable as a human carcinogen.

(CAS 128-37-0)

Hydroquinone (CAS 123-31-9) Confirmed animal carcinogen with unknown relevance to humans.

Methyl methacrylate (CAS 80-62-6)

Titanium dioxide (CAS 13463-67-7)

Not classifiable as a human carcinogen.

Not classifiable as a human carcinogen.

IARC Monographs. Overall Evaluation of Carcinogenicity

BUTYLATED HYDROXYTOLUENE (BHT) 3 Not classifiable as to carcinogenicity to humans.

(CAS 128-37-0)

Hydroquinone (CAS 123-31-9)

Methyl methacrylate (CAS 80-62-6)

3 Not classifiable as to carcinogenicity to humans.

3 Not classifiable as to carcinogenicity to humans.

Titanium dioxide (CAS 13463-67-7) 2B Possibly carcinogenic to humans.

Reproductive toxicityDue to partial or complete 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 hazardDue to partial or complete lack of data the classification is not possible.

Chronic effects Prolonged inhalation may be harmful.

12. Ecological information

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-octanol / water (log Kow)

Hydroquinone0.59Maleic acid-0.48Methyl methacrylate1.38

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 considerations

Disposal instructionsCollect and reclaim or dispose in sealed containers at licensed waste disposal site. 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 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

TDG

UN number UN1133

UN proper shipping name

ADHESIVES containing flammable liquid

Transport hazard class(es)

3 Class Subsidiary risk Ш Packing group

Environmental hazards Not available.

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

IATA

UN number

UN proper shipping name Adhesives containing flammable liquid

Transport hazard class(es) Class 3 Subsidiary risk Ш Packing group **Environmental hazards** No.

ERG Code 3L

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Other information

Passenger and cargo

aircraft

Allowed with restrictions.

Allowed with restrictions. Cargo aircraft only

IMDG

UN number UN1133

UN proper shipping name ADHESIVES containing flammable liquid Transport hazard class(es)

Not established.

3 **Class** Subsidiary risk Ш Packing group

Environmental hazards

Marine pollutant No. F-E, S-D **EmS**

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 IATA; IMDG; TDG



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15. Regulatory information

Canadian regulations

This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

Controlled Drugs and Substances Act

Not regulated.

Export Control List (CEPA 1999, Schedule 3)

Not listed.

Greenhouse Gases

Not listed.

Precursor Control Regulations

Not regulated.

International regulations

Stockholm Convention

Not applicable.

Rotterdam Convention

Not applicable.

Kyoto Protocol

Not applicable.

Montreal Protocol

Not applicable.

Basel Convention

Not applicable.

International Inventories

Country(s) or region	Inventory name	On 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 "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

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Version No.

ITW Performance Polymers cannot anticipate all conditions under which this information and its Disclaimer

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.

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