## SAFETY DATA SHEET

## 1. Identification

Product identifier PLEXUS® MA330 Adhesive

Other means of identification

SKU# IT741

**Recommended use** Not 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 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 following single 

Category 3 respiratory tract irritation

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

well-ventilated area. Contaminated work clothing should not be allowed out of the workplace.

Wear protective gloves/protective clothing/eye protection/face protection.

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

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.

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

**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 HYDROXYTOLUENE (BHT)	<u> </u>	128-37-0	1.13
Cumene hydroperoxide		80-15-9	1
Hydroquinone		123-31-9	0.01
Other components below reportable	e 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

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

artificial respiration if needed. Call a poison centre or doctor/physician if you feel unwell.

Remove contaminated clothing immediately and wash skin with soap and water. In case of Skin contact

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.

Rinse mouth. Get medical attention if symptoms occur. Ingestion

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

**General information** 

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.

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

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

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

Components	Туре	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	100 ppm	
	TWA	50 ppm	
Titanium dioxide (CAS 13463-67-7)	TWA	10 mg/m3	
Canada. Alberta OELs (Occupational H Components	lealth & Safety Code, Sch Type	edule 1, Table 2) Value	
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)	STEL	410 mg/m3	
		100 ppm	
	TWA	205 mg/m3	
		50 ppm	
Titanium dioxide (CAS 13463-67-7)	TWA	10 mg/m3	
Canada British Calumbia OELa (Ossi			
		for Chemical Substances, C	ccupational Health and
Safety Regulation 296/97, as amended		s for Chemical Substances, C Value	Form
Safety Regulation 296/97, as amended) Components BUTYLATED HYDROXYTOLUENE (BHT)	)		•
Safety Regulation 296/97, as amended) Components BUTYLATED HYDROXYTOLUENE (BHT) (CAS 128-37-0) HYDROQUINONE (CAS	Type	Value	Form Vapor and aerosol,
Safety Regulation 296/97, as amended) Components BUTYLATED HYDROXYTOLUENE (BHT) (CAS 128-37-0) HYDROQUINONE (CAS 123-31-9) METHYL METHACRYLATE	Type TWA	Value 2 mg/m3	Form Vapor and aerosol,
Safety Regulation 296/97, as amended) Components BUTYLATED HYDROXYTOLUENE (BHT) (CAS 128-37-0) HYDROQUINONE (CAS 123-31-9) METHYL METHACRYLATE	Type TWA	Value 2 mg/m3 1 mg/m3	Form Vapor and aerosol,
Carlada. British Columbia OELs. (Occu Safety Regulation 296/97, as amended) Components  BUTYLATED HYDROXYTOLUENE (BHT) (CAS 128-37-0) HYDROQUINONE (CAS 123-31-9) METHYL METHACRYLATE (CAS 80-62-6)  Titanium dioxide (CAS 13463-67-7)	Type TWA TWA STEL	Value 2 mg/m3 1 mg/m3 100 ppm	Form Vapor and aerosol,
Safety Regulation 296/97, as amended Components  BUTYLATED HYDROXYTOLUENE (BHT) (CAS 128-37-0) HYDROQUINONE (CAS 123-31-9) METHYL METHACRYLATE (CAS 80-62-6)  Titanium dioxide (CAS	Type TWA TWA STEL TWA	Value 2 mg/m3 1 mg/m3 100 ppm 50 ppm	Form  Vapor and aerosol, inhalable.
Safety Regulation 296/97, as amended Components  BUTYLATED HYDROXYTOLUENE (BHT) (CAS 128-37-0) HYDROQUINONE (CAS 123-31-9) METHYL METHACRYLATE (CAS 80-62-6)  Titanium dioxide (CAS 13463-67-7)  Canada. Manitoba OELs (Reg. 217/200)	Type TWA TWA STEL TWA TWA TWA TWA	Value 2 mg/m3 1 mg/m3 100 ppm 50 ppm 3 mg/m3 10 mg/m3 And Health Act)	Form  Vapor and aerosol, inhalable.  Respirable fraction.  Total dust.
Safety Regulation 296/97, as amended Components  BUTYLATED HYDROXYTOLUENE (BHT) (CAS 128-37-0) HYDROQUINONE (CAS 123-31-9) METHYL METHACRYLATE (CAS 80-62-6)  Titanium dioxide (CAS 13463-67-7)	Type TWA TWA STEL TWA TWA	Value 2 mg/m3 1 mg/m3 100 ppm 50 ppm 3 mg/m3 10 mg/m3	Form  Vapor and aerosol, inhalable.  Respirable fraction.
Safety Regulation 296/97, as amended Components  BUTYLATED HYDROXYTOLUENE (BHT) (CAS 128-37-0) HYDROQUINONE (CAS 123-31-9) METHYL METHACRYLATE (CAS 80-62-6)  Titanium dioxide (CAS 13463-67-7)  Canada. Manitoba OELs (Reg. 217/200)	Type TWA TWA STEL TWA TWA TWA TWA	Value 2 mg/m3 1 mg/m3 100 ppm 50 ppm 3 mg/m3 10 mg/m3 And Health Act)	Form  Vapor and aerosol, inhalable.  Respirable fraction.  Total dust.  Form
Safety Regulation 296/97, as amended Components  BUTYLATED HYDROXYTOLUENE (BHT) (CAS 128-37-0) HYDROQUINONE (CAS 123-31-9) METHYL METHACRYLATE (CAS 80-62-6)  Titanium dioxide (CAS 13463-67-7)  Canada. Manitoba OELs (Reg. 217/2006) Components  BUTYLATED HYDROXYTOLUENE (BHT) (CAS 128-37-0) HYDROQUINONE (CAS	Type TWA TWA STEL TWA TWA TWA TWA TWA	Value 2 mg/m3 1 mg/m3 100 ppm 50 ppm 3 mg/m3 10 mg/m3 And Health Act) Value	Form  Vapor and aerosol, inhalable.  Respirable fraction.  Total dust.  Form  Inhalable fraction and
Safety Regulation 296/97, as amended Components  BUTYLATED HYDROXYTOLUENE (BHT) (CAS 128-37-0) HYDROQUINONE (CAS 123-31-9) METHYL METHACRYLATE (CAS 80-62-6)  Titanium dioxide (CAS 13463-67-7)  Canada. Manitoba OELs (Reg. 217/2006) Components  BUTYLATED HYDROXYTOLUENE (BHT) (CAS 128-37-0) HYDROQUINONE (CAS 123-31-9) METHYL METHACRYLATE	Type TWA TWA STEL TWA TWA TWA TWA TWA TWA TYPE TWA	Value 2 mg/m3 1 mg/m3 100 ppm 50 ppm 3 mg/m3 10 mg/m3 Value 2 mg/m3	Form  Vapor and aerosol, inhalable.  Respirable fraction.  Total dust.  Form  Inhalable fraction and
Safety Regulation 296/97, as amended Components  BUTYLATED HYDROXYTOLUENE (BHT) (CAS 128-37-0) HYDROQUINONE (CAS 123-31-9) METHYL METHACRYLATE (CAS 80-62-6)  Titanium dioxide (CAS 13463-67-7)  Canada. Manitoba OELs (Reg. 217/200/Components  BUTYLATED HYDROXYTOLUENE (BHT)	Type TWA TWA STEL TWA TWA TWA  6, The Workplace Safety A Type TWA TWA	Value 2 mg/m3 1 mg/m3 100 ppm 50 ppm 3 mg/m3 10 mg/m3 And Health Act) Value 2 mg/m3 1 mg/m3	Form  Vapor and aerosol, inhalable.  Respirable fraction.  Total dust.  Form  Inhalable fraction and

	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	istry of Labor - Regulation respecting Type	occupational health and sa Value	fety) 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 Reg 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.
			ναροι.
HYDROQUINONE (CAS 123-31-9)	15 minute	4 mg/m3	ναροι.
	15 minute 8 hour	4 mg/m3 2 mg/m3	vарот.
		·	vарот.
123-31-9) METHYL METHACRYLATE	8 hour	2 mg/m3	vapor.
123-31-9) METHYL METHACRYLATE	8 hour 15 minute	2 mg/m3 100 ppm	vapor.
123-31-9)  METHYL METHACRYLATE (CAS 80-62-6)  Titanium dioxide (CAS	8 hour 15 minute 8 hour	2 mg/m3 100 ppm 50 ppm	vapor.
123-31-9)  METHYL METHACRYLATE (CAS 80-62-6)  Titanium dioxide (CAS	8 hour 15 minute 8 hour 15 minute	2 mg/m3 100 ppm 50 ppm 20 mg/m3 10 mg/m3	vapor.
METHYL METHACRYLATE (CAS 80-62-6)  Titanium dioxide (CAS 13463-67-7)  logical limit values propriate engineering trols	8 hour 15 minute 8 hour 15 minute 8 hour 15 minute No biological exposure limits noted for Explosion-proof general and local exha Ventilation rates should be matched to exhaust ventilation, or other engineering exposure limits. If exposure limits have acceptable level. Provide eyewash states.	2 mg/m3 100 ppm 50 ppm 20 mg/m3 10 mg/m3 the ingredient(s). ust ventilation. Good general conditions. If applicable, use g controls to maintain airborn not been established, maintain and safety shower.	ventilation should be used process enclosures, local e levels below recommend
METHYL METHACRYLATE (CAS 80-62-6)  Titanium dioxide (CAS 13463-67-7)  logical limit values propriate engineering trols	8 hour 15 minute 8 hour 15 minute 8 hour 15 minute No biological exposure limits noted for Explosion-proof general and local exha Ventilation rates should be matched to exhaust ventilation, or other engineering exposure limits. If exposure limits have	2 mg/m3 100 ppm 50 ppm 20 mg/m3 10 mg/m3 the ingredient(s). ust ventilation. Good general conditions. If applicable, use g controls to maintain airborn not been established, maintain and safety shower.	ventilation should be used process enclosures, local e levels below recommend in airborne levels to an
METHYL METHACRYLATE (CAS 80-62-6)  Titanium dioxide (CAS 13463-67-7)  logical limit values propriate engineering trols	8 hour 15 minute 8 hour 15 minute 8 hour 15 minute 8 hour No biological exposure limits noted for Explosion-proof general and local exhat Ventilation rates should be matched to exhaust ventilation, or other engineering exposure limits. If exposure limits have acceptable level. Provide eyewash stat such as personal protective equipments.	2 mg/m3 100 ppm 50 ppm 20 mg/m3 10 mg/m3 the ingredient(s). ust ventilation. Good general conditions. If applicable, use g controls to maintain airborn not been established, maintain and safety shower.  nt r cartridge and full facepiece.	ventilation should be used process enclosures, local e levels below recommend in airborne levels to an
METHYL METHACRYLATE (CAS 80-62-6)  Titanium dioxide (CAS 13463-67-7)  logical limit values propriate engineering trols  vidual protection measures, a Eye/face protection  Skin protection	8 hour 15 minute  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 engineering exposure limits. If exposure limits have acceptable level. Provide eyewash statesuch as personal protective equipmer Chemical respirator with organic vapour	2 mg/m3 100 ppm 50 ppm 20 mg/m3 10 mg/m3 the ingredient(s). ust ventilation. Good general conditions. If applicable, use g controls to maintain airborn not been established, maintain and safety shower.  nt r cartridge and full facepiece.	ventilation should be used process enclosures, local e levels below recommend in airborne levels to an
METHYL METHACRYLATE (CAS 80-62-6)  Titanium dioxide (CAS 13463-67-7)  logical limit values propriate engineering trols  vidual protection measures, selection selection Hand protection	8 hour 15 minute  8 hour 15 minute  8 hour 15 minute  8 hour No biological exposure limits noted for a sexplosion-proof general and local exhat Ventilation rates should be matched to exhaust ventilation, or other engineering exposure limits. If exposure limits have acceptable level. Provide eyewash stat such as personal protective equipmer Chemical respirator with organic vapout.  Wear appropriate chemical resistant gleaters.	2 mg/m3 100 ppm 50 ppm 20 mg/m3 10 mg/m3 the ingredient(s). ust ventilation. Good general conditions. If applicable, use g controls to maintain airborn not been established, maintain and safety shower.  nt r cartridge and full facepiece.	ventilation should be used process enclosures, local e levels below recommend in 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.
Physical state Liquid.
Form Paste.
Colour Off-white.

Odour Fragrant
Odour threshold Not available.

PH Not available.

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

range

Flash point 10.0 °C (50.0 °F) estimated

1.7 %

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

Upper/lower flammability or explosive limits

(%)

Flammability limit - upper 12.5 %

Flammability limit - lower

(%)

Explosive limit - lower (%) Not available.

Explosive limit - upper Not available.

(%)

Vapour pressure 28 mm Hg @ 20 °C

Vapour densityNot available.Relative densityNot available.

Solubility(ies)

Solubility (water) Not available.

Partition coefficient Not available.

(n-octanol/water)

Auto-ignition temperatureNot available.Decomposition temperatureNot available.ViscosityNot available.

Other information

**Density** 1.04 g/cm3 estimated

**Explosive properties** Not explosive.

Flammability class Flammable IB estimated

Oxidising properties Not oxidising.

Specific gravity 1.04 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

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 materialsStrong oxidising agents. Nitrates. Peroxides.Hazardous decompositionNo hazardous decomposition products are known.

products

## 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)

**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 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

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 toxicity**Due 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 hazard**Due 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)

Hydroquinone 0.59
Maleic acid -0.48
Methyl methacrylate 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 considerations

**Disposal instructions**Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of

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

 Material name: PLEXUS® MA330 Adhesive
 SDS CANADA

 IT741
 Version #: 01
 Issue date: 27-May-2019
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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



## 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

<sup>\*</sup>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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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.