SAFETY DATA SHEET

1. Identification

Product identifier PLEXUS® MA832 Adhesive

Other means of identification

SKU# IT333

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 hazards
 Flammable liquids
 Category 2

 Health hazards
 Acute toxicity, inhalation
 Category 4

 Skin corrosion/irritation
 Category 2

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

Specific target organ toxicity following single

exposure

Not classified.

Label elements

Environmental hazards



Signal word Danger

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

Causes serious eye damage. 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.

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. Immediately call a POISON CENTRE/doctor. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. In case of fire:

Use appropriate media to extinguish.

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

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

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	40 - 70
Methacrylic acid		79-41-4	3 - 7
Lauryl methacrylate		142-90-5	0.1 - 1
N,n-dimethyl-p-toluidine		99-97-8	0.1 - 1
Rosin		8050-09-7	0.1 - 1
Zinc oxide		1314-13-2	0.1 - 1
Other components below reportable I	evels		30 - 60

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.

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if Eye contact

present and easy to do. Continue rinsing. Get medical attention immediately.

Rinse mouth. Get medical attention if symptoms occur. Ingestion

Most important symptoms/effects, acute and

delayed

Indication of immediate medical attention and special treatment needed

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. May cause respiratory irritation. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.

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 **General information** 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.

Material name: PLEXUS® MA832 Adhesive IT333 Version #: 01 Issue date: 04-April-2019

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. Do not get this material in contact with eyes. Avoid breathing mist/vapours. Avoid contact with eyes, skin, and clothing. 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

...

US. ACGIH Threshold Limit Values Components	Type	Value	Form
METHACRYLIC ACID (CAS 79-41-4)	TWA	20 ppm	
METHYL METHACRYLATE (CAS 80-62-6)	STEL	100 ppm	
	TWA	50 ppm	
ZINC OXIDE (CAS 1314-13-2)	STEL	10 mg/m3	Respirable fraction.
,	TWA	2 mg/m3	Respirable fraction.

Material name: PLEXUS® MA832 Adhesive IT333 Version #: 01 Issue date: 04-April-2019

Components	al Health & Safety Code, Scl Type	Value	Form
METHACRYLIC ACID (CAS 79-41-4)	TWA	70 mg/m3	
		20 ppm	
METHYL METHACRYLATE (CAS 80-62-6)	STEL	410 mg/m3	
		100 ppm	
	TWA	205 mg/m3	
		50 ppm	
ZINC OXIDE (CAS 1314-13-2)	STEL	10 mg/m3	Respirable.
	TWA	2 mg/m3	Respirable.
Canada. British Columbia OELs. (C Safety Regulation 296/97, as amen		s for Chemical Substances, O	ccupational Health and
Components	Туре	Value	Form
METHACRYLIC ACID (CAS 79-41-4)	TWA	20 ppm	
METHYL METHACRYLATE (CAS 80-62-6)	STEL	100 ppm	
	TWA	50 ppm	
ZINC OXIDE (CAS 1314-13-2)	STEL	10 mg/m3	Respirable.
	TWA	2 mg/m3	Respirable.
Canada. Manitoba OELs (Reg. 217/ Components	2006, The Workplace Safety Type	And Health Act) Value	Form
METHACRYLIC ACID (CAS	TWA	20 ppm	
79-41-4) METHYL METHACRYLATE	STEL	100 ppm	
(CAS 80-62-6)	T)A/A	50 ppm	
	ΙΛΛΑ	оо ррпп	
ZINC OXIDE (CAS	TWA	10 mg/m3	Respirable fraction
ZINC OXIDE (CAS 1314-13-2)	STEL	10 mg/m3	Respirable fraction.
1314-13-2)	STEL	2 mg/m3	Respirable fraction.
	STEL	2 mg/m3	·
Canada. Ontario OELs. (Control of Components METHACRYLIC ACID (CAS	STEL TWA Exposure to Biological or C	2 mg/m3 hemical Agents)	Respirable fraction.
1314-13-2) Canada. Ontario OELs. (Control of Components	STEL TWA Exposure to Biological or C Type	2 mg/m3 hemical Agents) Value	Respirable fraction.
Canada. Ontario OELs. (Control of Components METHACRYLIC ACID (CAS 79-41-4) METHYL METHACRYLATE	STEL TWA Exposure to Biological or C Type TWA	2 mg/m3 hemical Agents) Value 20 ppm	Respirable fraction.
Canada. Ontario OELs. (Control of Components METHACRYLIC ACID (CAS 79-41-4) METHYL METHACRYLATE	STEL TWA Exposure to Biological or C Type TWA STEL	2 mg/m3 hemical Agents) Value 20 ppm 100 ppm	Respirable fraction.
Canada. Ontario OELs. (Control of Components METHACRYLIC ACID (CAS 79-41-4) METHYL METHACRYLATE (CAS 80-62-6) ZINC OXIDE (CAS	STEL TWA Exposure to Biological or C Type TWA STEL TWA	2 mg/m3 hemical Agents) Value 20 ppm 100 ppm 50 ppm	Respirable fraction. Form
Canada. Ontario OELs. (Control of Components METHACRYLIC ACID (CAS 79-41-4) METHYL METHACRYLATE (CAS 80-62-6) ZINC OXIDE (CAS	STEL TWA Exposure to Biological or C Type TWA STEL TWA STEL TWA STEL TWA	2 mg/m3 hemical Agents) Value 20 ppm 100 ppm 50 ppm 10 mg/m3 2 mg/m3	Respirable fraction. Form Respirable fraction. Respirable fraction.
Canada. Ontario OELs. (Control of Components METHACRYLIC ACID (CAS 79-41-4) METHYL METHACRYLATE (CAS 80-62-6) ZINC OXIDE (CAS 1314-13-2)	STEL TWA Exposure to Biological or C Type TWA STEL TWA STEL TWA STEL TWA	2 mg/m3 hemical Agents) Value 20 ppm 100 ppm 50 ppm 10 mg/m3 2 mg/m3	Respirable fraction. Form Respirable fraction. Respirable fraction.
Canada. Ontario OELs. (Control of Components METHACRYLIC ACID (CAS 79-41-4) METHYL METHACRYLATE (CAS 80-62-6) ZINC OXIDE (CAS 1314-13-2) Canada. Quebec OELs. (Ministry of	STEL TWA Exposure to Biological or Contype TWA STEL TWA STEL TWA STEL TWA STEL TWA STEL TWA	2 mg/m3 hemical Agents) Value 20 ppm 100 ppm 50 ppm 10 mg/m3 2 mg/m3 ing occupational health and sa	Respirable fraction. Form Respirable fraction. Respirable fraction. afety)
Canada. Ontario OELs. (Control of Components METHACRYLIC ACID (CAS 79-41-4) METHYL METHACRYLATE (CAS 80-62-6) ZINC OXIDE (CAS 1314-13-2) Canada. Quebec OELs. (Ministry of Components METHACRYLIC ACID (CAS	STEL TWA Exposure to Biological or C Type TWA STEL TWA STEL TWA STEL TWA STEL TWA STEL TWA STEL TWA	2 mg/m3 hemical Agents) Value 20 ppm 100 ppm 50 ppm 10 mg/m3 2 mg/m3 ing occupational health and sa	Respirable fraction. Form Respirable fraction. Respirable fraction. afety)
Canada. Ontario OELs. (Control of Components METHACRYLIC ACID (CAS 79-41-4) METHYL METHACRYLATE (CAS 80-62-6) ZINC OXIDE (CAS 1314-13-2) Canada. Quebec OELs. (Ministry of Components METHACRYLIC ACID (CAS	STEL TWA Exposure to Biological or C Type TWA STEL TWA STEL TWA STEL TWA STEL TWA STEL TWA STEL TWA	2 mg/m3 hemical Agents) Value 20 ppm 100 ppm 50 ppm 10 mg/m3 2 mg/m3 ing occupational health and savalue 70 mg/m3	Respirable fraction. Form Respirable fraction. Respirable fraction. afety)
Canada. Ontario OELs. (Control of Components METHACRYLIC ACID (CAS 79-41-4) METHYL METHACRYLATE (CAS 80-62-6) ZINC OXIDE (CAS 1314-13-2) Canada. Quebec OELs. (Ministry of Components METHACRYLIC ACID (CAS 79-41-4) METHYL METHACRYLATE	STEL TWA Exposure to Biological or Contype TWA STEL TWA STEL TWA STEL TWA STEL TWA STEL TWA TWA TWA TABOR - Regulation respection Type TWA	2 mg/m3 hemical Agents) Value 20 ppm 100 ppm 50 ppm 10 mg/m3 2 mg/m3 ing occupational health and savalue 70 mg/m3	Respirable fraction. Form Respirable fraction. Respirable fraction. afety)

Components	Туре	Value	Form
ZINC OXIDE (CAS 1314-13-2)	STEL	10 mg/m3	Fume.
	TWA	5 mg/m3	Fume.
		10 mg/m3	Total dust.
Canada, Saskatchewan OEI	_s (Occupational Health and Safety Re	egulations, 1996, Table 21)	
Components	Туре	Value	Form
METHACRYLIC ACID (CAS 79-41-4)	15 minute	30 ppm	
	8 hour	20 ppm	
METHYL METHACRYLATE CAS 80-62-6)	15 minute	100 ppm	
	8 hour	50 ppm	
ZINC OXIDE (CAS 314-13-2)	15 minute	10 mg/m3	Respirable fraction and dust or fume.
	8 hour	2 mg/m3	Respirable fraction and dust or fume.
gical limit values	No biological exposure limits noted for	the ingredient(s).	
sure guidelines	Occupational Exposure Limits are not	relevant to the current physic	cal form of the product.
ropriate engineering	Explosion-proof general and local exhaust ventilation. Good general ventilation should be used.		

Appropriate engineering controls

Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station and safety shower.

Individual protection measures, such as personal protective equipment

Eye/face protection Chemical respirator with organic vapour cartridge and full facepiece.

Skin protection

Hand protection Wear appropriate chemical resistant gloves. Other Wear appropriate chemical resistant clothing.

Chemical respirator with organic vapour cartridge and full facepiece. Respiratory protection

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

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

Paste. **Appearance** Physical state Liquid. Paste. Form Off-white Colour Odour Fragrant **Odour threshold** Not available. 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

10.0 °C (50.0 °F) estimated Flash point

Not available. **Evaporation rate** Flammability (solid, gas) Not applicable. Upper/lower flammability or explosive limits

Flammability limit - lower 2.1 % estimated

(%)

Material name: PLEXUS® MA832 Adhesive IT333 Version #: 01 Issue date: 04-April-2019 Flammability limit - upper

(%)

12.5 % estimated

Explosive limit - lower (%)

Explosive limit - lower (%

Explosive limit - upper

(%)

Not available. Not available.

Vapour pressure 51.33 hPa estimated

Vapour densityNot available.Relative densityNot available.

Solubility(ies)

Solubility (water) Not available.

Partition coefficient Not available.

(n-octanol/water)

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Viscosity Not available.

Other information

Density 0.95 g/cm3 estimated

Explosive properties Not explosive.

Flammability class Flammable IB estimated

Oxidising properties Not oxidising.

Specific gravity 0.95 estimated

10. Stability and reactivity

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

Chemical stabilityMaterial is stable under normal conditions. **Possibility of hazardous**Hazardous polymerisation does not occur.

reactions

Keep away from heat, hot surfaces, 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

Conditions to avoid

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 damage.

Ingestion Expected to be a low ingestion hazard.

Symptoms related to the physical, chemical and toxicological characteristics

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. 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

Lauryl methacrylate (CAS 142-90-5)

Acute Oral

LD50 Rat > 5 g/kg

Material name: PLEXUS® MA832 Adhesive IT333 Version #: 01 Issue date: 04-April-2019

Components Species Test Results

Methyl methacrylate (CAS 80-62-6)

Acute Inhalation

LC50 Mouse 18.5 mg/l, 2 Hours

Oral

LD50 Rat 7800 mg/kg

Zinc oxide (CAS 1314-13-2)

Acute Inhalation

LC50 Mouse > 5.7 mg/l, 4 Hours

Oral

LD50 Rat > 5 g/kg

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/eye

Causes serious eye damage.

irritation

Respiratory or skin sensitisation

ACGIH sensitisation

Methyl methacrylate (CAS 80-62-6) Dermal sensitization ROSIN CORE SOLDER THERMAL DECOMPOSITION Dermal sensitization

PRODUCTS (COLOPHONY) (CAS 8050-09-7)

Respiratory sensitisation

Canada - Alberta OELs: Irritant

Methacrylic acid (CAS 79-41-4) Irritan

Canada - British Columbia OELs: Respiratory or skin sensitiser

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

sensitization.

Rosin (CAS 8050-09-7) Capable of causing respiratory, dermal or conjunctival

sensitization.

Canada - Manitoba OELs Hazard: Dermal sensitization

Methyl methacrylate (CAS 80-62-6)

Rosin (CAS 8050-09-7)

Dermal sensitization

Dermal sensitization

Canada - Manitoba OELs Hazard: Respiratory sensitization

Rosin (CAS 8050-09-7) Respiratory sensitisation

Canada - Quebec OELs: Sensitizer

Methyl methacrylate (CAS 80-62-6)

Rosin (CAS 8050-09-7)

Sensitiser.

Sensitiser.

Canada - Saskatchewan OELs Hazard Data: Sensitiser

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

Respiratory sensitisation Not a respiratory sensitizer.

Skin sensitisation May cause an allergic skin reaction.

Germ cell mutagenicityNo data available to indicate product or any components present at greater than 0.1% are

mutagenic or genotoxic.

Carcinogenicity Risk of cancer cannot be excluded with prolonged exposure.

ACGIH Carcinogens

Methyl methacrylate (CAS 80-62-6)

A4 Not classifiable as a human carcinogen.

Canada - Manitoba OELs: carcinogenicity

Methyl methacrylate (CAS 80-62-6)

Not classifiable as a human carcinogen.

IARC Monographs. Overall Evaluation of Carcinogenicity

Methyl methacrylate (CAS 80-62-6) 3 Not classifiable as to carcinogenicity to humans.

N,n-dimethyl-p-toluidine (CAS 99-97-8)

2B Possibly carcinogenic to humans.

Reproductive toxicityThis product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity -

oxicity - May cause respiratory irritation.

single exposure

Specific target organ toxicity - Not classified.

repeated exposure

Aspiration hazard Not an aspiration hazard.

Chronic effects Prolonged exposure may cause chronic effects.

12. Ecological information

The product is not classified as environmentally hazardous. However, this does not exclude the **Ecotoxicity**

possibility that large or frequent spills can have a harmful or damaging effect on the environment.

No data is available on the degradability of any ingredients in the mixture. Persistence and degradability

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

Methacrylic acid 0.93 Methyl methacrylate 1.38

Mobility in soil No data available.

Other adverse effects The product contains volatile organic compounds which have a photochemical ozone creation

potential.

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.

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.

3

14. Transport information

TDG

UN1133 **UN number**

UN proper shipping name

ADHESIVES containing flammable liquid

Transport hazard class(es) 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 UN1133

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

Class 3 Subsidiary risk

Ш Packing group **Environmental hazards** No. **ERG Code** 31

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

UN1133 **UN number**

UN proper shipping name ADHESIVES containing flammable liquid

Transport hazard class(es)

3 Class Subsidiary risk Ш Packing group

Material name: PLEXUS® MA832 Adhesive IT333 Version #: 01 Issue date: 04-April-2019 **Environmental hazards**

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

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

Not established.

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.

Ontario. Toxic Substances. Toxic Reduction Act, 2009. Regulation 455/09 (July 1, 2011)

Zinc oxide (CAS 1314-13-2)

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)	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

Country(s) or region Inventory name On inventory (yes/no)*

Philippines Philippine Inventory of Chemicals and Chemical Substances

(PICCS)

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

Issue date 04-April-2019

Version No. 01

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.

Material name: PLEXUS® MA832 Adhesive SDS CANADA 10 / 10 IT333 Version #: 01 Issue date: 04-April-2019