

SAFETY DATA SHEET

Polymethyl methacrylate Standard

Section 1. Identification

1.1 Product identifier

- Product name** : Polymethyl methacrylate Standard
- Part No.** : PL2020-0100, PL2020-0101, PL2020-0200, PL2020-0201, PL2020-0202, PL2020-0203, PL2022-2001, PL2022-2001SK, PL2022-2005, PL2022-2010, PL2022-3001, PL2022-3001SK, PL2022-3005, PL2022-3010, PL2022-5001, PL2022-5001SK, PL2022-5005, PL2022-5010, PL2022-6001, PL2022-6001SK, PL2022-6005, PL2022-6010, PL2022-7001, PL2022-7001SK, PL2022-7005, PL2022-7010, PL2022-8001, PL2022-8001SK, PL2022-8005, PL2022-8010, PL2022-9001, PL2022-9001SK, PL2022-9005, PL2022-9010, PL2023-0001, PL2023-0001SK, PL2023-0005, PL2023-0010, PL2023-1001, PL2023-1001SK, PL2023-1005, PL2023-1010, PL2023-2001, PL2023-2001SK, PL2023-2005, PL2023-2010, PL2023-3001, PL2023-3001, SKPL2023-3005, PL2023-3010, PL2023-4001, PL2023-4001SK, PL2023-4005, PL2023-4010, PL2023-5001, PL2023-5001SK, PL2023-5005, PL2023-5010, PL2023-6001, PL2023-6001SK, PL2023-6005, PL2023-6010, PL2023-7001, PL2023-7001SK, PL2023-7005, PL2023-7010, PL2023-8001, PL2023-8001SK, PL2023-8005, PL2023-8010, PL2023-9001, PL2023-9005, PL2023-9010, PL2024-0001, PL2024-0001, SKPL2024-0005, PL2024-0010, PL2024-1001, PL2024-1001SK, PL2024-1005, PL2024-1010, PL2024-2001, PL2024-2001SK, PL2024-2005, PL2024-2010

Validation date : 10/29/2017

1.2 Relevant identified uses of the substance or mixture and uses advised against

- Material uses** : Analytical chemistry.
- | | |
|---------------|---|
| PL2020-0100 | PMMA Calibration Kit M-L-10 (10 X 0.5G) |
| PL2020-0101 | PMMA Calibration Kit M-M-10 (10 X 0.5G) |
| PL2020-0200 | EasiVial PM kit 4 ml |
| PL2020-0201 | EasiVial PM 2 ml |
| PL2020-0202 | PMMA 2 ml tri-pack (90 vials) |
| PL2020-0203 | PMMA 4 ml tri-pack (90 vials) |
| PL2022-2001 | PMMA NOMINAL MP 500 1G |
| PL2022-2001SK | PMMA NOMINAL MP 500 1G SHOKO |
| PL2022-2005 | PMMA NOMINAL MP 500 5G |
| PL2022-2010 | PMMA nominal Mp 500 10g |
| PL2022-3001 | PMMA nominal Mp 1k 1g |
| PL2022-3001SK | PMMA NOMINAL MP 1K 1G SHOKO |
| PL2022-3005 | PMMA nominal Mp 1k 5g |
| PL2022-3010 | PMMA nominal Mp 1k 10g |
| PL2022-5001 | PMMA nominal Mp 2k 1g |
| PL2022-5001SK | PMMA nominal Mp 2k 1g Shoko |
| PL2022-5005 | PMMA nominal Mp 2k 5g |
| PL2022-5010 | PMMA nominal Mp 2k 10g |
| PL2022-6001 | PMMA nominal Mp 3k 1g |
| PL2022-6001SK | PMMA NOMINAL MP 3K 1G SHOKO |
| PL2022-6005 | PMMA nominal Mp 3k 5g |
| PL2022-6010 | PMMA nominal Mp 3k 10g |
| PL2022-7001 | PMMA nominal Mp 5k 1g |
| PL2022-7001SK | PMMA NOMINAL MP 5K 1G SHOKO |
| PL2022-7005 | PMMA nominal Mp 5k 5g |
| PL2022-7010 | PMMA nominal Mp 5k 10g |
| PL2022-8001 | PMMA nominal Mp 7k 1g |
| PL2022-8001SK | PMMA nominal Mp 7k 1g |
| PL2022-8005 | PMMA nominal Mp 7k 5g |
| PL2022-8010 | PMMA nominal Mp 7k 10g |
| PL2022-9001 | PMMA nominal Mp 10k 1g |
| PL2022-9001SK | PMMA NOMINAL MP 10K 1G SHOKO |
| PL2022-9005 | PMMA nominal Mp 10k 5g |

Section 1. Identification

PL2022-9010	PMMA nominal Mp 10k 10g
PL2023-0001	PMMA nominal Mp 13k 1g
PL2023-0001SK	PMMA NOMINAL MP 13K 1G SHOKO
PL2023-0005	PMMA nominal Mp 13k 5g
PL2023-0010	PMMA nominal Mp 13k 10g
PL2023-1001	PMMA nominal Mp 20k 1g
PL2023-1001SK	PMMA nominal Mp 20k 1g Shoko
PL2023-1005	PMMA nominal Mp 20k 5g
PL2023-1010	PMMA nominal Mp 20k 10g
PL2023-2001	PMMA nominal Mp 30k 1g
PL2023-2001SK	PMMA NOMINAL MP 30K 1G SHOKO
PL2023-2005	PMMA nominal Mp 30k 5g
PL2023-2010	PMMA nominal Mp 30k 10g
PL2023-3001	PMMA nominal Mp 50k 1g
PL2023-3001SK	PMMA NOMINAL MP 50K 1G SHOKO
PL2023-3005	PMMA nominal Mp 50k 5g
PL2023-3010	PMMA nominal Mp 50k 10g
PL2023-4001	PMMA nominal Mp 70k 1g
PL2023-4001SK	PMMA nominal Mp 70k 1g Shoko
PL2023-4005	PMMA nominal Mp 70k 5g
PL2023-4010	PMMA nominal Mp 70k 10g
PL2023-5001	PMMA nominal Mp 100k 1g
PL2023-5001SK	PMMA NOMINAL MP 100K 1G SHOKO
PL2023-5005	PMMA nominal Mp 100k 5g
PL2023-5010	PMMA nominal Mp 100k 10g
PL2023-6001	PMMA nominal Mp 130k 1g
PL2023-6001SK	PMMA NOMINAL MP 130K 1G SHOKO
PL2023-6005	PMMA nominal Mp 130k 5g
PL2023-6010	PMMA nominal Mp 130k 10g
PL2023-7001	PMMA nominal Mp 200k 1g
PL2023-7001SK	PMMA nominal Mp 200k 1g Shoko
PL2023-7005	PMMA nominal Mp 200k 5g
PL2023-7010	PMMA nominal Mp 200k 10g
PL2023-8001	PMMA nominal Mp 300k 1g
PL2023-8001SK	PMMA NOMINAL MP 300K 1G SHOKO
PL2023-8005	PMMA nominal Mp 300k 5g
PL2023-8010	PMMA nominal Mp 300k 10g
PL2023-9001	PMMA nominal Mp 500k 1g
PL2023-9005	PMMA nominal Mp 500k 5g
PL2023-9010	PMMA nominal Mp 500k 10g
PL2024-0001	PMMA nominal Mp 700k 1g
PL2024-0001SK	PMMA nominal Mp 700k 1g Shoko
PL2024-0005	PMMA nominal Mp 700k 5g
PL2024-0010	PMMA nominal Mp 700k 10g
PL2024-1001	PMMA nominal Mp 1m 1g
PL2024-1001SK	PMMA nominal Mp 1m 1g Shoko
PL2024-1005	PMMA nominal Mp 1m 5g
PL2024-1010	PMMA nominal Mp 1m 10g
PL2024-2001	PMMA nominal Mp 1.5m 1g
PL2024-2001SK	PMMA NOMINAL MP 1.5M 1G SHOKO
PL2024-2005	PMMA nominal Mp 1.5m 5g
PL2024-2010	PMMA nominal Mp 1.5m 10g

[1.3 Details of the supplier of the safety data sheet](#)

Supplier/Manufacturer : Agilent Technologies, Inc.
5301 Stevens Creek Blvd
Santa Clara, CA 95051, USA
800-227-9770

[1.4 Emergency telephone number](#)

Section 1. Identification

In case of emergency : CHEMTREC®: 1-800-424-9300

Section 2. Hazards identification

2.1 Classification of the substance or mixture

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture

Comb. Dusts COMBUSTIBLE DUSTS

2.2 GHS label elements

Signal word : Warning

Hazard statements : No Code(s) - May form combustible dust concentrations in air.

Precautionary statements

Prevention : Not applicable.

Response : Not applicable.

Storage : Not applicable.

Disposal : Not applicable.

Supplemental label elements : Keep container tightly closed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Prevent dust accumulation.

2.3 Other hazards

Hazards not otherwise classified : None known.

Section 3. Composition/information on ingredients

Substance/mixture : Substance

Ingredient name	%	CAS number
Propenoic acid, 2-methyl-, methyl ester, homopolymer	100	9011-14-7

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

4.1 Description of necessary first aid measures

Eye contact : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.

Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Section 4. First aid measures

- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

4.2 Most important symptoms/effects, acute and delayed

Potential acute health effects

- Eye contact** : Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes.
- Inhalation** : Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:
irritation
redness
- Inhalation** : Adverse symptoms may include the following:
respiratory tract irritation
coughing
- Skin contact** : No specific data.
- Ingestion** : No specific data.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

5.1 Extinguishing media

- Suitable extinguishing media** : Use dry chemical powder.
- Unsuitable extinguishing media** : Avoid high pressure media which could cause the formation of a potentially explosible dust-air mixture.

5.2 Special hazards arising from the substance or mixture

- Specific hazards arising from the chemical** : May form explosible dust-air mixture if dispersed.

Section 5. Fire-fighting measures

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide

5.3 Advice for firefighters

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

6.2 Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

Section 7. Handling and storage

7.1 Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing dust. Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Prevent dust accumulation. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Section 7. Handling and storage

7.2 Conditions for safe storage, including any incompatibilities

- Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

7.3 Specific end use(s)

- Recommendations** : Industrial applications, Professional applications.
- Industrial sector specific solutions** : Not applicable.

Section 8. Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
2-Propenoic acid, 2-methyl-, methyl ester, homopolymer	<p>ACGIH TLV (United States). Particulates Not Otherwise Specified (PNOS): 10 mg/m³ Form: Inhalable Particulates Not Otherwise Specified (PNOS): 3 mg/m³ Form: Respirable</p> <p>OSHA PEL (United States). Particulates Not Otherwise Specified (PNOS): 5 mg/m³ Form: Respirable fraction Particulates Not Otherwise Specified (PNOS): 15 mg/m³ Form: Total dust</p>

8.2 Exposure controls

Appropriate engineering controls

- Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Environmental exposure controls

- Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures

- Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection

- Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields. If operating conditions cause high dust concentrations to be produced, use dust goggles.

Skin protection

Section 8. Exposure controls/personal protection

- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

- Physical state** : Solid. [Powder.]
- Color** : White.
- Odor** : Not available.
- Odor threshold** : Not available.
- pH** : Not available.
- Melting point** : Not available.
- Boiling point** : Not available.
- Flash point** : Not available.
- Evaporation rate** : Not available.
- Flammability (solid, gas)** : Not available.
- Lower and upper explosive (flammable) limits** : Not available.
- Vapor pressure** : Not available.
- Vapor density** : Not available.
- Relative density** : Not available.
- Solubility** : Insoluble in the following materials: cold water and hot water.
- Partition coefficient: n-octanol/water** : Not available.
- Auto-ignition temperature** : Not available.
- Decomposition temperature** : Not available.
- Viscosity** : Not available.

Section 10. Stability and reactivity

- 10.1 Reactivity** : No specific test data related to reactivity available for this product or its ingredients.
- 10.2 Chemical stability** : The product is stable.
- 10.3 Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.
- 10.4 Conditions to avoid** : Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Prevent dust accumulation.
- 10.5 Incompatible materials** : Reactive or incompatible with the following materials:
oxidizing materials
Incompatible materials: Alkali. , Amine.
- 10.6 Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Not available.

Irritation/Corrosion

Not available.

Sensitization

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Classification

Product/ingredient name	OSHA	IARC	NTP
<input checked="" type="checkbox"/> Propenoic acid, 2-methyl-, methyl ester, homopolymer	-	3	-

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Section 11. Toxicological information

Aspiration hazard

Not available.

Information on the likely routes of exposure : Not available.

Potential acute health effects

- Eye contact** : Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes.
- Inhalation** : Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

- Eye contact** : Adverse symptoms may include the following:
irritation
redness
- Inhalation** : Adverse symptoms may include the following:
respiratory tract irritation
coughing
- Skin contact** : No specific data.
- Ingestion** : No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

- Potential immediate effects** : Not available.
- Potential delayed effects** : Not available.

Long term exposure

- Potential immediate effects** : Not available.
- Potential delayed effects** : Not available.

Potential chronic health effects

- General** : Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation.
- Carcinogenicity** : No known significant effects or critical hazards.
- Mutagenicity** : No known significant effects or critical hazards.
- Teratogenicity** : No known significant effects or critical hazards.
- Developmental effects** : No known significant effects or critical hazards.
- Fertility effects** : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Other information : Adverse symptoms may include the following: Very slightly to slightly dangerous in case of skin contact (corrosive, irritant, sensitizer, permeator), eye contact (irritant), ingestion or inhalation.

Section 12. Ecological information

12.1 Toxicity

Not available.

12.2 Persistence and degradability

Not available.

12.3 Bioaccumulative potential

Not available.

12.4 Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

12.5 Other adverse effects : The products of degradation are more toxic than the product itself.

Section 13. Disposal considerations

13.1 Waste treatment methods

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.

The information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

Section 14. Transport information

DOT / TDG / Mexico / IMDG / IATA : Not regulated.

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of MARPOL and the IBC Code : Not available.

Section 15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

U.S. Federal regulations : TSCA 8(a) CDR Exempt/Partial exemption: All components are listed or exempted.

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Not listed

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Classification : Fire hazard

Composition/information on ingredients

No products were found.

State regulations

Massachusetts : None of the components are listed.

New York : None of the components are listed.

New Jersey : None of the components are listed.

Pennsylvania : None of the components are listed.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol (Annexes A, B, C, E)

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Inventory list

Australia : All components are listed or exempted.

Canada : All components are listed or exempted.

China : All components are listed or exempted.

Europe : Not determined.

Section 15. Regulatory information

Japan	: <input checked="" type="checkbox"/> Japan inventory (ENCS): All components are listed or exempted. Japan inventory (ISHL): All components are listed or exempted.
Malaysia	: Not determined.
New Zealand	: <input checked="" type="checkbox"/> All components are listed or exempted.
Philippines	: <input checked="" type="checkbox"/> All components are listed or exempted.
Republic of Korea	: <input checked="" type="checkbox"/> All components are listed or exempted.
Taiwan	: <input checked="" type="checkbox"/> All components are listed or exempted.
Thailand	: <input checked="" type="checkbox"/> Not determined.
Turkey	: Not determined.
United States	: <input checked="" type="checkbox"/> All components are listed or exempted.
Viet Nam	: <input checked="" type="checkbox"/> Not determined.

Section 16. Other information

History

Date of issue	: 10/29/2017
Date of previous issue	: 01/12/2016.
Version	: 3

Indicates information that has changed from previously issued version.

Notice to reader

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