

Version: 1.1 Revision Date: 05/17/2021

SAFETY DATA SHEET

1. Identification

Material name: Alumanation® 301 Material: 301530A

Recommended use and restriction on use

Recommended use: Coatings Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco U.S. Roofing 3735 Green Road Beachwood OH 44122 US

| Contact person: |
|-----------------------------|
| Telephone: |
| Emergency telephone number: |

EH&S Department 216-292-5000 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

| Physical Hazards | |
|-------------------|--|
| Flammable liquids | |

| Flammable liquids | Category 3 |
|---|--------------------------|
| Health Hazards | |
| Serious Eye Damage/Eye Irritation | Category 2A |
| Germ Cell Mutagenicity | Category 1B |
| Carcinogenicity | Category 1B |
| Specific Target Organ Toxicity - Repeated Exposure | Category 1 ^{1.} |

Target Organs

1. Central nervous system

Unknown toxicity - Health

| Acute toxicity, oral | 28.85 % |
|-----------------------------------|---------|
| Acute toxicity, dermal | 29.83 % |
| Acute toxicity, inhalation, vapor | 77.38 % |
| Acute toxicity, inhalation, dust | 82.62 % |
| or mist | |

Environmental Hazards

| Acute hazards to the aquatic | Category 3 |
|--------------------------------|------------|
| environment | |
| Chronic hazards to the aquatic | Category 3 |
| environment | |

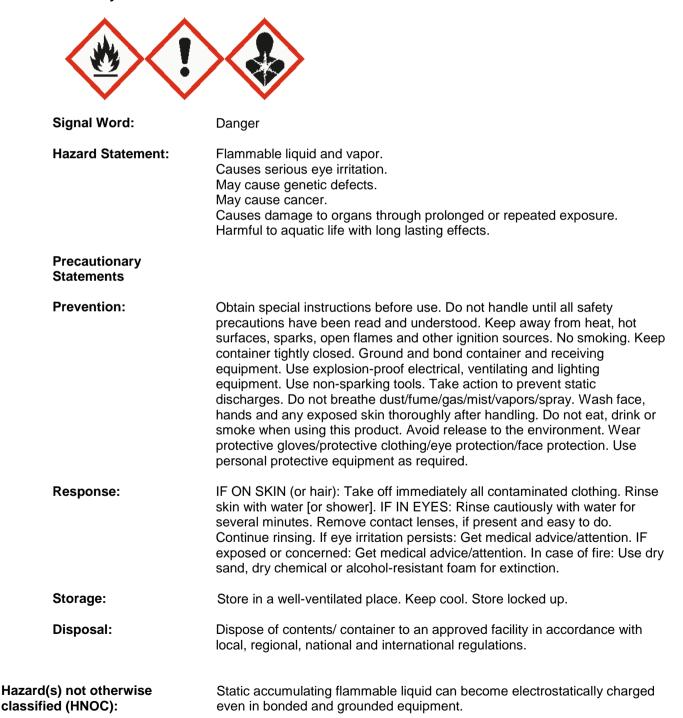
Unknown toxicity - Environment



| Acute hazards to the aquatic | 77.34 % |
|--|---------|
| environment | |
| Chronic hazards to the aquatic environment | 77.34 % |
| environment | |

Label Elements

Hazard Symbol:





3. Composition/information on ingredients

Mixtures

| Chemical Identity | CAS number | Content in percent (%)* |
|--|------------|-------------------------|
| Stoddard solvent (Mineral Spirits) | 8052-41-3 | 20 - <50% |
| Oxidized asphalt | 64742-93-4 | 10 - <20% |
| Asphalt | 8052-42-4 | 10 - <20% |
| Aluminum | 7429-90-5 | 10 - <20% |
| Naphtha, petroleum, hydrodesulfurized heavy | 64742-82-1 | 5 - <10% |
| Cellulose | 9004-34-6 | 1 - <5% |
| Perlite | 93763-70-3 | 1 - <5% |
| Nonane | 111-84-2 | 1 - <5% |
| Mica | 12001-26-2 | 1 - <5% |
| Amorphous silica | 7631-86-9 | 1 - <5% |
| Trimethyl benzene (mixed isomers) | 25551-13-7 | 0.1 - <1% |
| Clay | 1332-58-7 | 0.1 - <1% |
| 1,2,4-Trimethylbenzene | 95-63-6 | 0.1 - <1% |

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

4. First-aid measures Description of necessary first-aid measures

| Inhalation: | Move to fresh air. | |
|--|--|--|
| Skin Contact: | Wash skin thoroughly with soap and water. Take off immediately all contaminated clothing. If skin irritation occurs: Get medical advice/attention. | |
| Eye contact: | Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention. | |
| Ingestion: | Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. | |
| Personal Protection for First- aid Responders: | Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. | |
| Most important symptoms/effects, acute and delayed | | |
| Symptoms: | Respiratory tract irritation. | |
| Hazards: | No data available. | |

Indication of immediate medical attention and special treatment needed

| Treatment: | Symptoms may be delayed. |
|-----------------|--------------------------|
| i i catilicitt. | Oymptoms may be delayed. |

5. Fire-fighting measures



| General Fire Hazards: | Use water spray to keep fire-exposed containers cool. Water may be ineffective in fighting the fire. Fight fire from a protected location. Move containers from fire area if you can do so without risk. | |
|---|--|--|
| Suitable (and unsuitable) extinguishing media | | |
| Suitable extinguishing | Use fire-extinguishing media appropriate for surrounding materials. | |

| media: | Use me-extinguishing media appropriate for surrounding materials. |
|---|--|
| Unsuitable extinguishing media: | Avoid water in straight hose stream; will scatter and spread fire. |
| Specific hazards arising from the chemical: | Vapors may travel considerable distance to a source of ignition and flash back. Vapors may cause a flash fire or ignite explosively. Prevent buildup of vapors or gases to explosive concentrations. |
| Special protective equipment and precautions for firefighters | |

| Special fire fighting procedures: | No data available. |
|---|--|
| Special protective equipment for fire-fighters: | Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. |

| 6. Accidental release measure | es |
|--|---|
| Personal precautions, protective equipment and emergency procedures: | Ventilate closed spaces before entering them. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep upwind. |
| Accidental release measures: | In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. |
| Methods and material for containment and cleaning up: | Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. |
| Environmental Precautions: | Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment. |
| 7. Handling and storage | |
| Handling | |

| Technical measures (e.g. Local | Observe good industrial hygiene practices. Observe occupational exposure |
|--------------------------------|---|
| and general ventilation): | limits and minimize the risk of inhalation of vapors and mist. Mechanical |
| | ventilation or local exhaust ventilation may be required. |



| Safe handling advice: | Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Avoid contact with eyes. Wash hands thoroughly after handling. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground and bond container and receiving equipment. Take precautionary measures against static discharges.Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. |
|-----------------------------|---|
| Contact avoidance measures: | No data available. |
| Hygiene measures: | Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product. Avoid contact with eyes. When using do not smoke. |
| Storage | |
| Safe storage conditions: | Store locked up. Store in a well-ventilated place. Store in a cool place. |
| Safe packaging materials: | No data available. |

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

| Chemical Identity | Туре | Exposure Limit Values | Source |
|---|------|---|---|
| Stoddard solvent (Mineral Spirits) | TWA | 100 ppm | US. ACGIH Threshold Limit Values, as amended (2008) |
| | PEL | 500 ppm 2,900 mg/m3 | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006) |
| Asphalt - Inhalable fume as benzene solubles | TWA | 0.5 mg/m3 | US. ACGIH Threshold Limit Values, as amended (03 2018) |
| Aluminum - Respirable fraction. | TWA | 1 mg/m3 | US. ACGIH Threshold Limit Values, as amended (2011) |
| Aluminum - Total dust as Al | PEL | 15 mg/m3 | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006) |
| Aluminum - Respirable fraction as Al | PEL | 5 mg/m3 | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (03 2016) |
| Aluminum - Respirable fraction. | TWA | 5 mg/m3 | US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (03 2016) |
| | TWA | 15 millions of particles per cubic foot of air | US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (03 2016) |
| Aluminum - Total dust. | TWA | 50 millions of particles per cubic foot of air | US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (03 2016) |
| | TWA | 15 mg/m3 | US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (03 2016) |
| Naphtha, petroleum, hydrodesulfurized heavy | TWA | 100 ppm | US. ACGIH Threshold Limit Values, as amended (2008) |
| | PEL | 500 ppm 2,900 mg/m3 | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006) |
| Cellulose | TWA | 10 mg/m3 | US. ACGIH Threshold Limit Values, as amended (2011) |
| Cellulose - Total dust. | PEL | 15 mg/m3 | US. OSHA Table Z-1 Limits for Air |



| | | | Contaminants (29 CFR 1910.1000), as amended (02 2006) |
|-----------------------------------|--------|---|---|
| Cellulose - Respirable fraction. | PEL | 5 mg/m3 | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as |
| Perlite - Respirable particles. | TWA | 3 mg/m3 | amended (02 2006) US. ACGIH Threshold Limit Values, as amonded (02 2016) |
| Perlite - Inhalable particles. | TWA | 10 mg/m3 | amended (03 2016) US. ACGIH Threshold Limit Values, as amended (03 2016) |
| Perlite - Total dust. | TWA | 15 mg/m3 | US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (03 2016) |
| Perlite - Respirable fraction. | TWA | 15 millions of particles per cubic foot of air | US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (03 2016) |
| Perlite - Total dust. | TWA | 50 millions of particles per cubic foot of air | US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (03 2016) |
| Perlite - Respirable fraction. | TWA | 5 mg/m3 | US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (03 2016) |
| Nonane | TWA | 200 ppm | US. ACGIH Threshold Limit Values, as amended (02 2012) |
| Mica - Respirable fraction. | TWA | 3 mg/m3 | US. ACGIH Threshold Limit Values, as amended (2011) |
| Mica | TWA | 20 millions of particles per cubic foot of air | US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (2000) |
| Amorphous silica | TWA | 20 millions of particles per cubic foot of air | US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (2000) |
| | TWA | 0.8 mg/m3 | US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (2000) |
| Trimethyl benzene (mixed isomers) | TWA | 25 ppm | US. ACGIH Threshold Limit Values, as amended (2011) |
| Clay - Respirable fraction. | TWA | 2 mg/m3 | US. ACGIH Threshold Limit Values, as amended (2011) |
| | PEL | 5 mg/m3 | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006) |
| Clay - Total dust. | PEL | 15 mg/m3 | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006) |
| | TWA | 50 millions of particles per cubic foot of air | US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (03 2016) |
| Clay - Respirable fraction. | TWA | 15 millions of particles per cubic foot of air | US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (03 2016) |
| | TWA | 5 mg/m3 | US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (03 2016) |
| Clay - Total dust. | TWA | 15 mg/m3 | US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (03 2016) |
| 1,2,4-Trimethylbenzene | REL | 25 ppm 125 mg/m3 | US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2010) |
| | TWA | 25 ppm 125 mg/m3 | US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended (1989) |
| | TWA | 25 ppm 125 mg/m3 | US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A, as amended (06 2008) |
| | AN ESL | 25 ppb | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (07 2011) |
| | ST ESL | 140 ppb | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (02 2013) |



| ST ESL | | 700 µg/m3 | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (02 2013) |
|---------|--------|-----------|--|
| AN ESL | | 125 µg/m3 | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (07 2011) |
| TWA PEL | 25 ppm | 125 mg/m3 | US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants, as amended (08 2010) |
| TWA | 25 ppm | | US. ACGIH Threshold Limit Values, as amended (2008) |

| Chemical name | Туре | Exposure Limit Values | Source |
|------------------------------------|------|-----------------------|--|
| Stoddard solvent (Mineral Spirits) | STEL | 580 mg/m3 | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
| | TWA | 290 mg/m3 | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |



| Stoddard solvent (Mineral Spirits) | TWA | 100 ppm | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010) |
|---|-----|-------------------|--|
| Stoddard solvent (Mineral Spirits) | TWA | 100 ppm 525 mg/m3 | Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017) |
| Asphalt - Aerosol, inhalable as benzene solubles | TWA | 0.5 mg/m3 | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
| Asphalt - Inhalable fraction as benzene solubles | TWA | 0.5 mg/m3 | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010) |
| Asphalt - Fume. | TWA | 5 mg/m3 | Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017) |
| Aluminum - Respirable. | TWA | 1 mg/m3 | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
| Aluminum - Respirable fraction. | TWA | 1 mg/m3 | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010) |
| Aluminum | TWA | 10 mg/m3 | Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017) |
| Aluminum - as Al | TWA | 5 mg/m3 | Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017) |
| Aluminum - Welding fume as Al | TWA | 5 mg/m3 | Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017) |
| Amorphous silica - Total | TWA | 4 mg/m3 | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
| Amorphous silica - Respirable. | TWA | 1.5 mg/m3 | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
| Amorphous silica - Respirable dust. | TWA | 6 mg/m3 | Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017) |
| Perlite - Total dust. | TWA | 10 mg/m3 | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013) |
| Perlite - Respirable fraction. | TWA | 3 mg/m3 | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013) |
| Perlite - Inhalable fraction. | TWA | 10 mg/m3 | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (06 2015) |
| Perlite - Respirable fraction. | TWA | 3 mg/m3 | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (06 2015) |
| Perlite - Total dust. | TWA | 10 mg/m3 | Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017) |
| Cellulose - Respirable fraction. | TWA | 3 mg/m3 | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
| Cellulose - Total dust. | TWA | 10 mg/m3 | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |



| Cellulose | TWA | | 10 mg/m3 | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010) |
|---|-----|--------|-----------|--|
| Cellulose - Total dust. | TWA | | 10 mg/m3 | Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017) |
| Petroleum distillates - Non- aerosol as total hydrocarbon vapor | TWA | | 200 mg/m3 | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
| Petroleum distillates | TWA | | 525 mg/m3 | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010) |
| Petroleum distillates - Non- aerosol as total hydrocarbon vapor | TWA | | 200 mg/m3 | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010) |
| | TWA | | 200 mg/m3 | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010) |
| Mica - Respirable. | TWA | | 3 mg/m3 | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
| Mica - Respirable fraction. | TWA | | 3 mg/m3 | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010) |
| Mica - Respirable dust. | TWA | | 3 mg/m3 | Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017) |
| 1,2,4-Trimethylbenzene | TWA | 25 ppm | 123 mg/m3 | Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2), as amended (07 2009) |
| 1,2,4-Trimethylbenzene | TWA | 25 ppm | | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
| 1,2,4-Trimethylbenzene | TWA | 25 ppm | | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010) |
| 1,2,4-Trimethylbenzene | TWA | 25 ppm | 123 mg/m3 | Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017) |

| Chemical name | Туре | Exposure Limit Values | Source |
|------------------------------------|------|-----------------------|--|
| Stoddard solvent (Mineral Spirits) | STEL | 580 mg/m3 | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
| | TWA | 290 mg/m3 | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |



| Stoddard solvent (Mineral Spirits) | TWA | 100 ppm | | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010) |
|---|------|---------|-----------|--|
| Stoddard solvent (Mineral Spirits) | TWA | 100 ppm | 525 mg/m3 | Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017) |
| Asphalt - Aerosol, inhalable as benzene solubles | TWA | | 0.5 mg/m3 | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
| Asphalt - Inhalable fraction as benzene solubles | TWA | | 0.5 mg/m3 | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010) |
| Asphalt - Fume. | TWA | | 5 mg/m3 | Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017) |
| Aluminum - Respirable. | TWA | | 1 mg/m3 | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
| Aluminum - Respirable fraction. | TWA | | 1 mg/m3 | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010) |
| Aluminum | TWA | | 10 mg/m3 | Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017) |
| Aluminum - as Al | TWA | | 5 mg/m3 | Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017) |
| Aluminum - Welding fume as Al | TWA | | 5 mg/m3 | Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017) |
| Naphtha, petroleum, hydrodesulfurized heavy | STEL | | 580 mg/m3 | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
| Naphtha, petroleum, hydrodesulfurized heavy | TWA | | 525 mg/m3 | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (12 2007) |
| | TWA | 100 ppm | | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010) |
| | TWA | | 290 mg/m3 | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |



| Naphtha, petroleum, hydrodesulfurized heavy | TWA | 100 ppm 525 mg/m3 | Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017) |
|--|-----|---------------------|--|
| Cellulose - Respirable fraction. | TWA | 3 mg/m3 | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
| Cellulose - Total dust. | TWA | 10 mg/m3 | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
| Cellulose | TWA | 10 mg/m3 | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010) |
| Cellulose - Total dust. | TWA | 10 mg/m3 | Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017) |
| Perlite - Total dust. | TWA | 10 mg/m3 | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013) |
| Perlite - Respirable fraction. | TWA | 3 mg/m3 | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013) |
| Perlite - Inhalable fraction. | TWA | 10 mg/m3 | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (06 2015) |
| Perlite - Respirable fraction. | TWA | 3 mg/m3 | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (06 2015) |
| Perlite - Total dust. | TWA | 10 mg/m3 | Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017) |
| Nonane | TWA | 200 ppm | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013) |
| Nonane | TWA | 200 ppm 1,050 mg/m3 | Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (12 2008) |
| Nonane | TWA | 200 ppm | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (01 2020) |
| Mica - Respirable. | TWA | 3 mg/m3 | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
| Mica - Respirable fraction. | TWA | 3 mg/m3 | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010) |
| Mica - Respirable dust. | TWA | 3 mg/m3 | Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017) |
| Amorphous silica - Total | TWA | 4 mg/m3 | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
| Amorphous silica - Respirable. | TWA | 1.5 mg/m3 | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
| Amorphous silica - Respirable dust. | TWA | 6 mg/m3 | Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017) |
| Trimethyl benzene (mixed isomers) | TWA | 25 ppm | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation |



| | | | | 296/97, as amended) (07 2007) |
|-----------------------------------|------|---------|-----------|--|
| Trimethyl benzene (mixed isomers) | TWA | 25 ppm | | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010) |
| Trimethyl benzene (mixed isomers) | TWA | 25 ppm | 123 mg/m3 | Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017) |
| Clay - Respirable. | TWA | | 2 mg/m3 | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
| Clay - Respirable dust. | TWA | | 5 mg/m3 | Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017) |
| Clay - Respirable fraction. | TWA | | 2 mg/m3 | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (08 2017) |
| 1,2,4-Trimethylbenzene | TWA | 25 ppm | 123 mg/m3 | Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2), as amended (07 2009) |
| 1,2,4-Trimethylbenzene | TWA | 25 ppm | | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
| 1,2,4-Trimethylbenzene | TWA | 25 ppm | | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010) |
| 1,2,4-Trimethylbenzene | TWA | 25 ppm | 123 mg/m3 | Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017) |
| Xylene | TWA | 100 ppm | 434 mg/m3 | Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2), as amended (07 2009) |
| | STEL | 150 ppm | 651 mg/m3 | Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2), as amended (07 2009) |
| Xylene | TWA | 100 ppm | | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
| | STEL | 150 ppm | | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
| Xylene | TWA | 100 ppm | | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010) |
| | STEL | 150 ppm | | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010) |
| Xylene | STEL | 150 ppm | 651 mg/m3 | Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017) |
| | TWA | 100 ppm | 434 mg/m3 | Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017) |
| Naphthalene | STEL | 15 ppm | | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
| | TWA | 10 ppm | | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |



| Naphthalene | TWA | 10 ppm | | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010) |
|---|------|---------|-------------|--|
| Naphthalene | TWA | 10 ppm | 52 mg/m3 | Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017) |
| | STEL | 15 ppm | 79 mg/m3 | Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017) |
| Ethylbenzene | TWA | 20 ppm | | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2011) |
| Ethylbenzene | TWA | 20 ppm | | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (06 2015) |
| Ethylbenzene | STEL | 125 ppm | 543 mg/m3 | Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017) |
| | TWA | 100 ppm | 434 mg/m3 | Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017) |
| Crystalline Silica (Quartz)/ Silica Sand - Respirable fraction. | TWA | | 0.025 mg/m3 | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
| Crystalline Silica (Quartz)/ Silica Sand - Respirable fraction. | TWA | | 0.10 mg/m3 | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (06 2015) |
| Crystalline Silica (Quartz)/ Silica Sand - Respirable dust. | TWA | | 0.1 mg/m3 | Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017) |
| Butylated hydroxytoluene - Vapor and aerosol, inhalable. | TWA | | 2 mg/m3 | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
| Butylated hydroxytoluene - Inhalable fraction and vapor. | TWA | | 2 mg/m3 | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010) |
| Butylated hydroxytoluene | TWA | | 10 mg/m3 | Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017) |

Appropriate Engineering Controls

Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.

Individual protection measures, such as personal protective equipment

| General information: | Provide easy access to water supply and eye wash facilities. Good general ventilation (typically 10 air changes per hour) should be used. 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. Use explosion-proof ventilation equipment. |
|-------------------------------------|---|
| Eye/face protection: | Wear safety glasses with side shields (or goggles). |
| Skin Protection Hand Protection: | Use suitable protective gloves if risk of skin contact. |
| Other: | Wear suitable protective clothing. |



| Respiratory Protection: | In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor. |
|-------------------------|---|
| Hygiene measures: | Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product. Avoid contact with eyes. When using do not smoke. |

9. Physical and chemical properties

| Appearance | |
|---|---|
| Physical state: | liquid |
| Form: | Viscous Liquid |
| Color: | Gray |
| Odor: | Mild petroleum/solvent |
| Odor threshold: | No data available. |
| pH: | No data available. |
| Melting point/freezing point: | No data available. |
| Initial boiling point and boiling range: | 155 °C 311 °F |
| Flash Point: | 41 °C 105 °F(Tag closed cup) |
| Evaporation rate: | Slower than Ether |
| Flammability (solid, gas): | No |
| Upper/lower limit on flammability or explos | ive limits |
| Flammability limit - upper (%): | 7 %(V) |
| Flammability limit - lower (%): | 0.90 %(V) |
| Explosive limit - upper: | No data available. |
| Explosive limit - lower: | No data available. |
| Vapor pressure: | No data available. |
| Vapor density: | Vapors are heavier than air and may travel along the floor and in the bottom of containers. |
| Relative density: | 1.001 |
| Solubility(ies) | |
| Solubility in water: | Practically Insoluble |
| Solubility (other): | No data available. |
| Partition coefficient (n-octanol/water): | No data available. |
| Auto-ignition temperature: | No data available. |
| Decomposition temperature: | No data available. |
| Viscosity: | No data available. |

10. Stability and reactivity

| Reactivity: | No data available. |
|--|---|
| Chemical Stability: | Material is stable under normal conditions. |
| Possibility of hazardous reactions: | No data available. |



| Conditions to avoid: | Heat, sparks, flames. |
|--------------------------------------|---|
| Incompatible Materials: | Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates). |
| Hazardous Decomposition Products: | Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors. |

11. Toxicological information

Information on likely routes of exposure

| Inhalation: | In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes. |
|---------------|---|
| Skin Contact: | May be harmful in contact with skin. Causes mild skin irritation. |
| Eye contact: | Causes serious eye irritation. |
| Ingestion: | May be ingested by accident. Ingestion may cause irritation and malaise. |

Symptoms related to the physical, chemical and toxicological characteristics

| Inhalation: | No data available. |
|---------------|--------------------|
| Skin Contact: | No data available. |
| Eye contact: | No data available. |
| Ingestion: | No data available. |

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product:



| Specified substance(s): Oxidized asphalt | LD 50 (Rat): > 5,000 mg/kg |
|--|----------------------------|
| Asphalt | LD 50 (Rat): > 5,000 mg/kg |
| Naphtha, petroleum, hydrodesulfurized heavy | LD 50 (Rat): > 5,000 mg/kg |
| Cellulose | LD 50 (Rat): 5,001 mg/kg |
| Perlite | LD 50 (Rat): 5,001 mg/kg |
| Nonane | LD 50 (Rat): > 5,000 mg/kg |
| Trimethyl benzene (mixed isomers) | LD 50 (Rat): 8,970 mg/kg |
| Clay | LD 50 (Rat): > 5,000 mg/kg |
| 1,2,4-Trimethylbenzene | LD 50 (Rat): 3,280 mg/kg |
| Dermal Product: | ATEmix: 3,165.07 mg/kg |
| Inhalation Product: | ATEmix: 32.36 mg/l |
| Repeated dose toxicity Product: | No data available. |
| Skin Corrosion/Irritation Product: | No data available. |

Specified substance(s):



| Oxidized asphalt | in vivo (Rabbit): Not irritant, 24 - 72 h |
|---|--|
| Asphalt | in vivo (Rabbit): Not irritant , 24 - 72 h |
| Naphtha, petroleum, hydrodesulfurized heavy | in vivo (Rabbit): Irritating , 24 h |
| Nonane | in vivo (Rabbit): Irritating , 72 h |
| Amorphous silica | in vivo (Rabbit): Not irritant , 24 h |
| 1,2,4-Trimethylbenzene | in vivo (Rabbit): Irritating , 24 - 72 h |

Serious Eye Damage/Eye Irritation

| Product: Specified substance(s): | No data available. |
|---|-------------------------------------|
| Oxidized asphalt | Rabbit, 24 hrs: Not irritating |
| Asphalt | Rabbit, 24 hrs: Not irritating |
| Naphtha, petroleum, hydrodesulfurized heavy | Rabbit, 24 - 72 hrs: Not irritating |
| Nonane | Rabbit, 24 - 72 hrs: Not irritating |
| 1,2,4-Trimethylbenzene | Rabbit, 30 min: Not irritating |
| Respiratory or Skin Sensitizatior Product: | n No data available. |
| Carcinogenicity Product: | May cause cancer. |

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

| Oxidized asphalt | Overall evaluation: Probably carcinogenic to humans. |
|------------------|--|
| Asphalt | Overall evaluation: Possibly carcinogenic to humans. |

US. National Toxicology Program (NTP) Report on Carcinogens: No carcinogenic components identified

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended: No carcinogenic components identified



Germ Cell Mutagenicity

| In vitro Product: | No data available. |
|--|---|
| In vivo Product: | No data available. |
| Reproductive toxicity Product: | No data available. |
| Specific Target Organ Toxicity Product: | - Single Exposure No data available. |
| Specific Target Organ Toxicity - Repeated Exposure Product: No data available. | |
| Target Organs Specific Target Organ Toxicity - Repeated Exposure: Central nervous system | |
| Aspiration Hazard Product: | No data available. |
| Other effects: | No data available. |

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

| Fish Product: | No data available. |
|---|---|
| Specified substance(s): 1,2,4-Trimethylbenzene | LC 50 (Pimephales promelas, 96 h): 7.72 mg/l Experimental result, Key study |
| Aquatic Invertebrates Product: | No data available. |
| Specified substance(s): Stoddard solvent (Mineral Spirits) | LC 50 (Daphnia magna, 48 h): 0.42 - 2.3 mg/l |
| Naphtha, petroleum, hydrodesulfurized heavy | EC 50 (Daphnia magna, 48 h): 4.5 mg/l Experimental result, Key study |



| Trimethyl benzene (mixed isomers) | LC 50 (Daggerblade grass shrimp (Palaemonetes pugio), 24 h): 7 mg/l Mortality |
|---|--|
| 1,2,4-Trimethylbenzene | LC 50 (Daphnia magna, 48 h): 3.6 mg/l Experimental result, Key study |
| Chronic hazards to the aquation | c environment: |
| Fish Product: | No data available. |
| Specified substance(s): Oxidized asphalt | LL 50 (Oncorhynchus mykiss, 28 d): > 1,000 mg/l QSAR QSAR, Key study NOAEL (Oncorhynchus mykiss, 28 d): >= 1,000 mg/l QSAR QSAR, Key study |
| Asphalt | NOAEL (Oncorhynchus mykiss, 28 d): >= 1,000 mg/l Read-across from supporting substance (structural analogue or surrogate), Key study LL 50 (Oncorhynchus mykiss, 28 d): > 1,000 mg/l Read-across from supporting substance (structural analogue or surrogate), Key study |
| Naphtha, petroleum, hydrodesulfurized heavy | NOAEL (Daphnia magna): 2.6 mg/l Other, Key study |
| Aquatic Invertebrates Product: | No data available. |
| Specified substance(s): Naphtha, petroleum, hydrodesulfurized heavy | NOAEL (Daphnia magna): 2.6 mg/l Experimental result, Key study |
| Toxicity to Aquatic Plants Product: | No data available. |
| Persistence and Degradability | |
| Biodegradation Product: | No data available. |
| Specified substance(s): Naphtha, petroleum, hydrodesulfurized heavy | 79.22 % Detected in water. Experimental result, Supporting study 94 % (25 d) Detected in water. Experimental result, Supporting study 1.39 % Detected in water. Experimental result, Supporting study 90.35 % (28 d) Detected in water. Experimental result, Supporting study 74.76 % Detected in water. Experimental result, Supporting study |
| 1,2,4-Trimethylbenzene | 100 % (28 d) Detected in water. Read-across from supporting substance (structural analogue or surrogate), Weight of Evidence study 96 % (13 d) Detected in water. Experimental result, Weight of Evidence study 50 % (4.39 d) Detected in water. QSAR, Weight of Evidence study 87.8 % Detected in water. Read-across from supporting substance (structural analogue or surrogate), Weight of Evidence study 34.7 % Detected in water. Experimental result, Weight of Evidence study |
| BOD/COD Ratio | |



| Product: | No data available. |
|--|---|
| Bioaccumulative potential Bioconcentration Factor (B0 Product: | CF) No data available. |
| Specified substance(s): Naphtha, petroleum, hydrodesulfurized heavy | Bioconcentration Factor (BCF): 10 - 2,500 Aquatic sediment Estimated by calculation, Key study |
| Partition Coefficient n-octanol / v Product: | vater (log Kow) No data available. |
| Specified substance(s): Nonane | Log Kow: 5.65 |
| 1,2,4-Trimethylbenzene | Log Kow: 3.78 |
| Mobility in soil: | No data available. |
| Other adverse effects: | Harmful to aquatic life with long lasting effects. |
| 13. Disposal considerations | |
| Disposal methods: | Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. |

Contaminated Packaging: No data available.

14. Transport information

TDG:

UN1999, TARS, LIQUID, 3, PG III

CFR / DOT:

UN1999, Tars, liquid, 3, PG III

IMDG:

UN1999, TARS, LIQUID, 3, PG III

Further Information:

The above shipping description may not be accurate for all container sizes and all modes of transportation. Please refer to Bill of Lading.

15. Regulatory information

US Federal Regulations



TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Chemical IdentityReportable quantityNonaneDe minimis concentration: TSCA 4% One-Time Export Notification only.

US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721, Subpt E)

None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended

| Chemical Identity | <u>OSHA hazard(s)</u> |
|-----------------------|-----------------------|
| Crystalline Silica | kidney effects |
| (Quartz)/ Silica Sand | lung effects |
| | immune system effects |
| | Cancer |

CERCLA Hazardous Substance List (40 CFR 302.4):

| Chemical Identity | Reportable quantity |
|-------------------|---------------------|
| Asphalt | 100 lbs. |
| Nonane | 100 lbs. |
| Xylene | 100 lbs. |
| Naphthalene | 100 lbs. |
| Ethylbenzene | 1000 lbs. |

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Fire Hazard Immediate (Acute) Health Hazards Delayed (Chronic) Health Hazard Flammable (gases, aerosols, liquids, or solids) Serious eye damage or eye irritation Germ Cell Mutagenicity Carcinogenicity Specific target organ toxicity (single or repeated exposure) Hazards Not Otherwise Classified (HNOC)

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

None present or none present in regulated quantities.

SARA 311/312 Hazardous Chemical Chemical Identity Threshold Planning Quantity

SARA 313 (TRI Reporting)

Chemical Identity Aluminum

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) None present or none present in regulated quantities.



Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

Chemical Identity Xylene <u>Reportable quantity</u> Reportable quantity: lbs.

US State Regulations

US. California Proposition 65



WARNING Cancer - www.P65Warnings.ca.gov

US. New Jersey Worker and Community Right-to-Know Act

Chemical Identity

Stoddard solvent (Mineral Spirits) Oxidized asphalt Asphalt Aluminum Naphtha, petroleum, hydrodesulfurized heavy Cellulose Perlite Nonane Mica Amorphous silica

US. Massachusetts RTK - Substance List

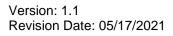
Chemical Identity

Stoddard solvent (Mineral Spirits) Asphalt Naphtha, petroleum, hydrodesulfurized heavy Cellulose Perlite Nonane Mica Amorphous silica Crystalline Silica (Quartz)/ Silica Sand

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity

Stoddard solvent (Mineral Spirits) Oxidized asphalt Asphalt Aluminum Naphtha, petroleum, hydrodesulfurized heavy Cellulose Perlite Nonane Mica Amorphous silica





US. Rhode Island RTK

Chemical Identity

Stoddard solvent (Mineral Spirits) Asphalt Naphtha, petroleum, hydrodesulfurized heavy Cellulose Perlite Nonane Mica

International regulations

Montreal protocol

Not applicable

Stockholm convention

Not applicable

Rotterdam convention

Not applicable

Kyoto protocol

Not applicable

VOC:

| Regulatory VOC (less water and exempt solvent) | : | 295 g/l |
|---|---|---------|
| VOC Method 310 | : | 29.44 % |



Inventory Status:

Australia AICS:

Canada DSL Inventory List:

EINECS, ELINCS or NLP:

Japan (ENCS) List:

China Inv. Existing Chemical Substances:

Korea Existing Chemicals Inv. (KECI):

Canada NDSL Inventory:

Philippines PICCS:

New Zealand Inventory of Chemicals:

Japan ISHL Listing:

Japan Pharmacopoeia Listing:

Ontario Inventory:

Mexico INSQ:

Taiwan Chemical Substance Inventory:

US TSCA Inventory:

All components in this product are listed on or exempt from the Inventory.

All components in this product are listed on or exempt from the Inventory.

One or more components in this product are not listed on or exempt from the Inventory.

One or more components in this product are not listed on or exempt from the Inventory.

All components in this product are listed on or exempt from the Inventory.

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All components in this product are listed on or exempt from the Inventory.



16.Other information, including date of preparation or last revision

| Revision Date: | 05/17/2021 |
|----------------------|---|
| Version #: | 1.1 |
| Further Information: | No data available. |
| Disclaimer: | For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition. |