



Section 1. Identification of the substance/mixture and of the company/undertaking

Product identifier

Product Name: 5531 A Resin

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

Recommended Use(s): None

Non-Recommended /
Restricted Use(s): none

Details of the supplier of the safety data sheet

Manufacturer: Adfast
2685 Diab
Ville Saint-Laurent Quebec H4S 1E7
Canada

Email: servicemtl@adfastcorp.com

Url: <http://www.adfastcorp.com>

Emergency telephone number

Emergency Contact: Emergency Spills (CANUTEC): 613-996-6666
Emergency Spills (CHEMTREC): 800-424-9300

Section 2. Hazards identification

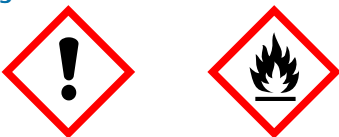
Classification of the substance or mixture

GHS Classification for mixture:

Specific target organ toxicity - single exposure - Category 3 (Respiratory)
Skin sensitization - Category 1
Serious eye damage/eye irritation - Category 2
Skin corrosion/irritation - Category 2
Flammable Liquids - Category 3

Label elements

Pictograms:



Signal Words:
Warning

Hazard Statements:

Flammable liquid and vapour.
 Causes skin irritation.
 May cause an allergic skin reaction.
 Causes serious eye irritation.
 May cause respiratory irritation.

Precautionary Statements:**Prevention**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 Keep container tightly closed.
 Keep cool.
 Ground and bond container and receiving equipment.
 Use explosion-proof electrical, ventilating, lighting equipment.
 Use non-sparking tools.
 Take action to prevent static discharges.
 Avoid breathing dust, gas, fume, mist, vapors, spray.
 Wash exposed area thoroughly after handling.
 Use only outdoors or in a well-ventilated area.
 Contaminated work clothing should not be allowed out of the workplace.
 Wear protective gloves, protective clothing, eye protection, face protection.

Response

Call a POISON CENTER, doctor if you feel unwell.
 If skin irritation or rash occurs: Get medical attention / advice.
 If eye irritation persists: Get medical attention / advice.
 IF IN EYES: Remove contact lenses, if present and easy to do. Continue rinsing.
 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 IF IN EYES: Rinse cautiously with water for several minutes.
 IF ON SKIN: Wash with plenty of water.
 IF ON SKIN (or hair): Rinse skin with water or shower
 IF ON SKIN (or hair): Take off immediately all contaminated clothing.
 Take off contaminated clothing. And wash it before reuse.
 In case of fire: Use CO2 and Dry chemical to extinguish.

Storage

Store in a well-ventilated place.
 Store locked up.

Disposal

Dispose of contents accordance with local, federal, and international regulations.

Section 3. Composition/information on ingredients**Substances**

No available data for this section.

Mixtures

| Identifiers | Ingredients | Percentage | Classification |
|-------------|-------------------------------|------------|----------------|
| 80-62-6 | Methyl Methacrylate | 45% to 65% | |
| 68037-39-8 | Chlorosulfonated Polyethylene | 20% to 30% | |
| 97-69-6 | Maleic Acid | <2% | |

Section 4. First-Aid Measures

Description of First Aid Measures

In the event of splashes or contact with eyes

Wash eyes with plenty of water. Hold eyelids open to ensure adequate flushing. Remove the contact lenses if worn and easy to do that. Continue rinsing. Seek medical attention if irritation, redness, or any other symptom develops.

In the event of splashes or contact with skin

Take all contaminated clothing off immediately and wash it before reuse. Wash contaminated areas thoroughly with water. If redness or other symptoms occur, seek medical advice / attention.

In the event of ingestion

DO NOT INDUCE VOMITING. Immediately call a poison center, doctor, or medical service. If the exposed person is drowsy or unconscious, do not give anything by mouth.

In the event of inhalation

If the exposed person is not breathing, provide artificial respiration. Remove person to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention immediately.

Most important symptoms and effects, both acute and delayed

No available data for this section.

Indication of any immediate medical attention and special treatment needed

No available data for this section.

Section 5. Firefighting Measures

Extinguishing media

Suitable Extinguishing Media

Use dry chemical powder. Insoluble in water.

Unsuitable Extinguishing Media

Water may cause frothing.

Special hazards arising from the substance or mixture

Specific Hazards Arising from Combustion of Products

Indirect fire hazard: Tanks in fire may explode.

Combustion Products

No available data for this section.

Advice for firefighters

Protective Measures for Fire-Fighting

Wear protective gloves, clothing, and protective goggles to prevent contact with skin and eyes. Wear self-contained breathing apparatus.

Special Protective Actions for Fire-Fighters

Evacuate the people from the area. Dike area to prevent runoff and contamination of water sources. Use water sprayer to cool the container that fire has spread to and the location affected by fire until fire is completely extinguished.

Other Information for Fire Fighters

No available data for this section.

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Evacuate the people from the area. Isolate and restrict access to area until completion of cleanup. Ventilate spill area. Remove all sources of ignition.

Environmental precautions

Dike area to prevent runoff and contamination of water sources. Do not discharge into drains or any body of water (rivers, streams, ponds, lakes, etc).

Methods and material for containment and cleaning up

Absorb with earth, sand, or other non-combustible material. Collect and transfer to a closable container without splash or generating dust / mist for disposal by an appropriate method. Stop leak if safe to do so.

Reference to other sections

No available data for this section.

Section 7. Handling and Storage

Precautions for safe handling

Avoid breathing gas / mist / dust / fume / vapor / spray / particles. Ensure proper electrical grounding procedures are in place.

Conditions for safe storage, including any incompatibilities

Conditions for Safe Storage

Keep away from: Fire. Heat. Open flame. Sparks. Static electricity. Direct sunlight.

Store in accordance with all current regulations and standards. Store in a cool, well ventilated area. Store only in well-ventilated areas.

Suitable Packaging

Store in original container / packaging.

Incompatible Materials

Not specified.

Specific end use(s)

No available data for this section.

Section 8. Exposure Controls / Personal Protection

Control parameters

Control Parameters / Limits for Product

No available data for this section.

Control Parameters / Limits for Component

Methyl Methacrylate

ACGIH TLV

STEL 100 ppm.

TWA 50 ppm.

OSHA PEL

TWA 100 ppm.

Exposure controls

Engineering Measures

Provide adequate general and local exhaust ventilation. Respect the occupational health and safety standards.

Respiratory Protection

Certified self-contained breathing apparatus must be available in case of emergency. Respiratory protection is required if the concentrations exceed the TLV. Use only outdoors or in a well-ventilated area.

Eye/Face Protection

Safety goggles / glasses suitable for use with chemicals.

Skin and Body Protection

Wear appropriate chemical resistant clothing.

Hand Protection

Ensure gloves are certified. Wear impermeable gloves.

Hygiene Measures

Use in accordance with good hygiene and safety practice.

Environmental exposure controls

No available data for this section.

Section 9. Physical and chemical properties

Information on basic physical and chemical properties

| | |
|--------------------------------------|-----------------------------|
| Physical State | Paste (liquid) |
| Appearance | Fragrant |
| Odor | Fragrant |
| Odor threshold | Not available |
| pH | Not available |
| Melting point | -47.778°C / -54°F |
| Boiling point | 100.556°C / 213°F for MMA |
| Flash Point | 10°C / 50°F |
| Evaporation rate w/r/t ether | Not available |
| Evaporation rate w/r/t butyl acetate | 3.5 |
| Flammability | Not available |
| Flammability limit | Not available |
| Vapor pressure | 28 mmHg at 20°C / 68°F |
| Vapor density | heavier than air |
| Relative density w/r/t water | 3.5 times heavier than air |
| Relative density w/r/t air | 0.93 to 1.05 at 25°C / 77°F |

| | |
|--|--------------------|
| Solubility | Soluble |
| Solubility in other solvents | Not available |
| Partition coefficient | Not available |
| Auto-ignition temperature | Not available |
| Decomposition temperature | Not available |
| Viscosity | Not available |
| Freezing point | Not available |
| Relative density w/r/t other substance | Not available |
| VOC content | Lesser than 20 g/l |
| Explosion limit (upper) | 2.1 %vol |
| Explosion limit (lower) | 12.5 %vol |

Other Information

No available data for this section.

Section 10. Chemical Stability & Reactivity Information

Reactivity

Polymerization may occur under certain conditions.

Chemical Stability

Unstable.

Possibility of Hazardous Reactions

May occur, Excessive aging and/or heat, polymerization catalysts, oxygen-free atmosphere, inhibitor depletion, direct sunlight. Material can soften pain and rubber.

Conditions to Avoid

Keep away from: Heat. Open flame. Sparks. Freezing. Oxygen-free atmospheres. Inert gas blanketing.

Incompatible Materials

Oxidizing agents. Acids. catalytic metals (copper, iron). Halogens. Free radical initiators. Oxygen scavengers.

Hazardous Decomposition Products

Carbon oxides. nitrogen oxides. hydrogen cyanide. methylene bisphenyl. isocyanate. hydrocarbons.

Section 11. Toxicological Information

Information on toxicological effects

Toxicological Information for Product

No available data for this section.

Toxicological Information for Component

Methyl Methacrylate

| | |
|--------------------|-------------------------------|
| LD 50 (Oral) | 78782 mg/kg. |
| LD 50 (Dermal) | >5 g/kg. |
| LC 50 (Inhalation) | 78000 mg/m ³ (4h). |

Irritation/Corrosion Information for Product

No available data for this section.

Irritation/Corrosion Information for Component**Methyl Methacrylate**

Eyes: 1%/2M (severe).

Section 12. Ecological Information**Toxicity****Ecotoxicity Values for Product**

Ecotoxicity: No ecotoxicity values specified for product.

Ecotoxicity Values for Component

No available data for this section.

Persistence and degradability

No available data for this section.

Bioaccumulative potential**Bioaccumulative Potential for Product**

No available data for this section.

Bioaccumulative Potential for Component

No available data for this section.

Mobility in soil

No available data for this section.

Results of PBT and vPvB assessment

No available data for this section.

Other adverse effects

No available data for this section.

Section 13. Disposal Considerations**Waste treatment methods****Waste Disposal Regulation(s) / Operation**

RCRA Number: D001.

Disposal, treatment, or recycling of industrial waste must comply with applicable regulations to preserve the environment. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of national pollutant discharge elimination systems. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. Users need to pay attention to the possible existence of regional or national regulations regarding disposal.

Waste Treatment Methods

No available data for this section.

Section 14. Transportation Information

| | ADR | IMDG | IATA | DOT |
|--|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| UN number | 1133 | 1133 | 1133 | No available data for this section. |
| UN proper shipping name | ADHESIVES | ADHESIVES | ADHESIVES | ADHESIVES |
| Transport hazard class(es) | 3 | 3 | 3 | No available data for this section. |
| Packing group | II | II | II | No available data for this section. |
| Environmental hazards | No available data for this section. | No available data for this section. | No available data for this section. | No available data for this section. |
| | | | | |
| Special precautions for user | No available data for this section. | | | |
| Transport in bulk according to Annex II of Marpol and the IBC Code | No available data for this section. | | | |
| Other | No available data for this section. | | | |

Section 15. Regulatory Information

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

Safety, Health and Environmental Regulations for Product

TSCA: All ingredients of this product are listed, or are exempt from listing, on the TSCA inventory.

Safety, Health and Environmental Regulations for Component

Maleic Acid

TSCA: Listed.

DSL: Listed.

Methyl Methacrylate

TSCA: Listed.

SARA 313: Listed.

DSL: Listed.

Chlorosulfonated Polyethylene

TSCA: Listed.

Chemical safety assessment

No available data for this section.

Section 16. Other Information

Other Information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

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