

MasterSeal P 179

Version Revision Date: SDS Number: Date of last issue: -
1.0 09/10/2020 000000261026 Date of first issue: 09/10/2020

SECTION 1. IDENTIFICATION

Product name : MasterSeal P 179
Product code : 000000000050340078 000000000050340078
Other means of identification : No data available

Manufacturer or supplier's details

Company name of supplier : Master Builders Solutions Canada Inc.
Address : 1800 CLARK BLVD
 Brampton ON L6T 4M7
Emergency telephone : ChemTel: +1-813-248-0585;

Recommended use of the chemical and restrictions on use

Recommended use : Product for construction chemicals
Restrictions on use : Reserved for industrial and professional use.

SECTION 2. HAZARDS IDENTIFICATION**GHS classification in accordance with the Hazardous Products Regulations**

Aspiration hazard : Category 1
FLAMMABLE LIQUIDS : 2
Skin corrosion/irritation : 2
Serious eye damage/eye irritation : Category 1
Skin sensitization : Category 1
Reproductive toxicity : 2
Specific target organ toxicity : 3
- single exposure
Specific target organ toxicity : 2 (Central nervous system)
- repeated exposure
Short-term (acute) aquatic hazard : 2
Long-term (chronic) aquatic hazard : 3

GHS label elements

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- Hazard pictograms :    
- Signal Word : Danger
- Hazard Statements : H225 Highly flammable liquid and vapour.
H318 Causes serious eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H304 May be fatal if swallowed and enters airways.
H336 May cause drowsiness or dizziness.
H361d Suspected of damaging the unborn child.
H373 May cause damage to organs (Central nervous system) through prolonged or repeated exposure.
H412 Harmful to aquatic life with long lasting effects.
H401 Toxic to aquatic life.
- Precautionary Statements : **Prevention:**
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P271 Use only outdoors or in a well-ventilated area.
P260 Do not breathe dust or mist.
P243 Take action to prevent static discharges.
P273 Avoid release to the environment.
P201 Obtain special instructions before use.
P241 Use explosion-proof [electrical/ ventilating/ lighting/ .?] equipment.
P202 Do not handle until all safety precautions have been read and understood.
P272 Contaminated work clothing should not be allowed out of the workplace.
P240 Ground and bond container and receiving equipment.
P242 Use only non-sparking tools.
P264 Wash face, hands and any exposed skin thoroughly after handling.
- Response:**
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/ doctor/
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P303 + P352 IF ON SKIN (or hair): Wash with plenty of soap and water.
P332 + P313 If skin irritation occurs: Get medical advice/ attention.

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P362 + P364 Take off contaminated clothing and wash it before reuse.
 P331 Do NOT induce vomiting.
 P370 + P378 In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish.

Storage:

P233 Keep container tightly closed.
 P403 + P235 Store in a well-ventilated place. Keep cool.
 P405 Store locked up.

Disposal:

P501 Dispose of contents/container to appropriate hazardous waste collection point.

Other hazards

No data available.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : No data available.

Components

| Chemical name | CAS-No. | Concentration (% w/w) |
|---|------------|-----------------------|
| Methylethylketone | 78-93-3 | >= 50 - < 75 |
| toluene | 108-88-3 | >= 15 - < 20 |
| Reaction product: bisphenol-A-(epichlorhydrin)-Epoxy resin (number average molecular weight <= 700) | 25068-38-6 | >= 15 - < 20 |
| 3-aminopropyltriethoxysilane | 919-30-2 | >= 3 - < 5 |

SECTION 4. FIRST AID MEASURES

General advice : Move out of dangerous area.
 Consult a physician.
 Show this material safety data sheet to the doctor in attendance.
 Symptoms of poisoning may appear several hours later.
 Do not leave the victim unattended.

If inhaled : Consult a physician after significant exposure.
 If unconscious, place in recovery position and seek medical advice.

In case of skin contact : If skin irritation persists, call a physician.
 If on skin, rinse well with water.
 If on clothes, remove clothes.

In case of eye contact : Small amounts splashed into eyes can cause irreversible tissue damage and blindness.
 In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 Continue rinsing eyes during transport to hospital.

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- Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.
Do NOT induce vomiting.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.
Take victim immediately to hospital.
- Most important symptoms and effects, both acute and delayed : May be fatal if swallowed and enters airways.
Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye damage.
May cause drowsiness or dizziness.
Suspected of damaging the unborn child.
- Notes to physician : Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Water spray
Foam
Dry powder
Carbon dioxide (CO₂)
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during fire fighting : Do not allow run-off from fire fighting to enter drains or water courses.
- Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
For safety reasons in case of fire, cans should be stored separately in closed containments.
Use a water spray to cool fully closed containers.
- Special protective equipment for fire-fighters : Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
Ensure adequate ventilation.
Remove all sources of ignition.
Evacuate personnel to safe areas.
Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

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- Environmental precautions : Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for containment and cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Product is not explosive.
- Do not spray on a naked flame or any incandescent material.
Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors).
Use only explosion-proof equipment.
Keep away from open flames, hot surfaces and sources of ignition.
- Advice on safe handling : Avoid formation of aerosol.
Do not breathe vapors/dust.
Avoid exposure - obtain special instructions before use.
Avoid contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Take precautionary measures against static discharges.
Provide sufficient air exchange and/or exhaust in work rooms.
Open drum carefully as content may be under pressure.
To avoid spills during handling keep bottle on a metal tray.
Dispose of rinse water in accordance with local and national regulations.
Persons susceptible to skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.
- Conditions for safe storage : no smoking
Keep container tightly closed in a dry and well-ventilated place.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Observe label precautions.
Electrical installations / working materials must comply with the technological safety standards.
- Further information on storage conditions : Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame.
Protect from direct sunlight.

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Materials to avoid : Observe VCI storage rules.

Further information on storage stability : No data available

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

| Components | CAS-No. | Value type (Form of exposure) | Control parameters / Permissible concentration | Basis |
|-------------------|----------|----------------------------------|--|--------------------------------------|
| Methylethylketone | 78-93-3 | STEL value | 300 ppm | ACGIHTLV |
| | | TWA value | 200 ppm | ACGIHTLV |
| | | REL value | 200 ppm 590 mg/m3 | NIOSH |
| | | STEL value | 300 ppm 885 mg/m3 | NIOSH |
| | | PEL | 200 ppm 590 mg/m3 | 29 CFR 1910.1000 (Table Z-1) |
| | | TWA value | 200 ppm 590 mg/m3 | 29 CFR 1910.1000 (Table Z-1-A) |
| | | STEL value | 300 ppm 885 mg/m3 | 29 CFR 1910.1000 (Table Z-1-A) |
| | | TWA | 200 ppm 590 mg/m3 | CA AB OEL |
| | | STEL | 300 ppm 885 mg/m3 | CA AB OEL |
| | | TWA | 50 ppm | CA BC OEL |
| | | STEL | 100 ppm | CA BC OEL |
| | | TWAEV | 50 ppm 150 mg/m3 | CA QC OEL |
| | | STEV | 100 ppm 300 mg/m3 | CA QC OEL |
| toluene | 108-88-3 | TWA | 200 ppm | ACGIH |
| | | STEL | 300 ppm | ACGIH |
| | | TWA value | 20 ppm | ACGIHTLV |
| | | REL value | 100 ppm 375 mg/m3 | NIOSH |
| | | STEL value | 150 ppm 560 mg/m3 | NIOSH |
| | | TWA value | 100 ppm 375 mg/m3 | 29 CFR 1910.1000 (Table Z-1-A) |
| | | STEL value | 150 ppm 560 mg/m3 | 29 CFR 1910.1000 (Table Z-1-A) |
| | | max. conc. | 500 ppm | 29 CFR 1910.1000 (Table Z-2) |

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| | | CLV | 300 ppm | 29 CFR 1910.1000 (Table Z-2) |
| | | TWA value | 200 ppm | 29 CFR 1910.1000 (Table Z-2) |
| | | TWA | 50 ppm 188 mg/m3 | CA AB OEL |
| | | TWA | 20 ppm | CA BC OEL |
| | | TWAEV | 50 ppm 188 mg/m3 | CA QC OEL |
| | | TWA | 20 ppm | ACGIH |

Engineering measures : No applicable information available.

Personal protective equipment

Respiratory protection : When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators.

Hand protection

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Eye wash bottle with pure water
 Tightly fitting safety goggles
 Wear face-shield and protective suit for abnormal processing problems.

Skin and body protection : Impervious clothing
 Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Protective measures : Do not inhale gases/vapours/aerosols.
 Avoid contact with the skin, eyes and clothing.
 Avoid exposure - obtain special instructions before use.
 Handle in accordance with good building materials hygiene and safety practice.
 Wearing of closed work clothing is recommended.

Hygiene measures : When using do not eat or drink.
 When using do not smoke.
 Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Color : No applicable information available.

Odor : product specific

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Odor Threshold : No data available

Melting point : No applicable information available.

Freezing point : No applicable information available.

boiling temperature : 108 °C
No data available

Flash point : -3.89 °C

Evaporation rate : No applicable information available.

Flammability (solid, gas) : not determined

Upper explosion limit / Upper flammability limit : No applicable information available.

Lower explosion limit / Lower flammability limit : No applicable information available.

Relative vapor density : No applicable information available.

Relative density : No applicable information available.

Density : approx. 0.9 g/cm³ (20 °C)

Solubility(ies)
Water solubility : insoluble

Solubility in other solvents : No applicable information available.

Partition coefficient: n-octanol/water : No applicable information available.

Autoignition temperature : No data available

Decomposition temperature : No decomposition if stored and handled as prescribed/indicated.

Viscosity
Viscosity, dynamic : No applicable information available.

Viscosity, kinematic : No applicable information available.

Sublimation point : No applicable information available.

Molecular weight : No data available

SECTION 10. STABILITY AND REACTIVITY

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| Reactivity | : | No decomposition if stored and applied as directed. |
| Chemical stability | : | No decomposition if stored and applied as directed. |
| Possibility of hazardous reactions | : | No decomposition if stored and applied as directed. Vapors may form explosive mixture with air. |
| Conditions to avoid | : | Heat, flames and sparks. |
| Incompatible materials | : | Strong acids Strong bases Strong oxidizing agents Strong reducing agents |
| Hazardous decomposition products | : | No hazardous decomposition products if stored and handled as prescribed/indicated. |

SECTION 11. TOXICOLOGICAL INFORMATION**Acute toxicity**

Not classified based on available information.

Product:

| | | |
|---------------------------|---|---|
| Acute oral toxicity | : | Remarks: No applicable information available. |
| Acute inhalation toxicity | : | Remarks: No applicable information available. |
| Acute dermal toxicity | : | Remarks: No applicable information available. |

Skin corrosion/irritation

Causes skin irritation.

Product:

| | | |
|---------|---|--|
| Remarks | : | Extremely corrosive and destructive to tissue. |
|---------|---|--|

Serious eye damage/eye irritation

Causes serious eye damage.

Product:

| | | |
|---------|---|------------------------------------|
| Remarks | : | May cause irreversible eye damage. |
|---------|---|------------------------------------|

Respiratory or skin sensitization**Skin sensitization**

May cause an allergic skin reaction.

Respiratory sensitization

Not classified based on available information.

Product:

| | | |
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| Remarks | : | Causes sensitization. |
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Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Suspected of damaging the unborn child.

STOT-single exposure

May cause drowsiness or dizziness.

STOT-repeated exposure

Not classified based on available information.

Aspiration toxicity

May be fatal if swallowed and enters airways.

Product:

May also damage the lung at swallowing (aspiration hazard).

Further information**Product:**

Remarks : Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.
Concentrations substantially above the TLV value may cause narcotic effects.
Solvents may degrease the skin.

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Product:****Ecotoxicology Assessment**

Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

Persistence and degradability**Product:**

Biodegradability : Remarks: Taking into consideration the properties of several ingredients, the product is estimated not to be readily biodegradable according to OECD classification.

Stability in water : Remarks: The product is slightly soluble in water. It can be eliminated from water by abiotic processes.

Bioaccumulative potential**Product:**

Bioaccumulation : Remarks: Because of the product's consistency and low water

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solubility, bioavailability is improbable.

Components:**Methylethylketone:**

Partition coefficient: n-octanol/water : log Pow: 0.29
 Method: other (measured)
 GLP: no data
 Remarks: Information taken from reference works and the literature.

toluene:

Partition coefficient: n-octanol/water : log Pow: 2.73 (20 °C)
 pH: 7
 Method: other (measured)
 GLP: no data
 Remarks: Information taken from reference works and the literature.

3-aminopropyltriethoxysilane:

Partition coefficient: n-octanol/water : log Pow: 1.7 (20 °C)
 pH: 7

Mobility in soil**Product:**

Distribution among environmental compartments : Remarks: The substance will not evaporate into the atmosphere from the water surface.
 Following exposure to soil, adsorption to solid soil particles is probable, therefore contamination of groundwater is not expected.
 Following exposure to soil, adsorption to solid soil particles is unlikely, therefore contamination of groundwater is expected.

Other adverse effects**Product:**

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
 Toxic to aquatic life.
 Harmful to aquatic life with long lasting effects.

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

Waste from residues : Do not contaminate ponds, waterways or ditches with chemical or used container.
 Dispose of in accordance with national, state and local regulations.
 Do not discharge into drains/surface waters/groundwater.

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Contaminated packaging : Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

SECTION 14. TRANSPORT INFORMATION**International Regulations****UNRTDG**

UN number : UN 1263
Proper shipping name : PAINT
Class : 3
Packing group : II
Labels : 3

IATA-DGR

UN/ID No. : UN 1263
Proper shipping name : PAINT
Class : 3
Packing group : II
Labels : Flammable Liquids
Packing instruction (cargo aircraft) : 364
Packing instruction (passenger aircraft) : 353

IMDG-Code

UN number : UN 1263
Proper shipping name : PAINT

Class : 3
Packing group : II
Labels : 3
EmS Code : F-E, S-E
Marine pollutant : no

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Domestic regulation**TDG**

UN number : UN 1263
Proper shipping name : PAINT

Class : 3
Packing group : II
Labels : 3
ERG Code : 128
Marine pollutant : no

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data

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Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

SECTION 15. REGULATORY INFORMATION

The ingredients of this product are reported in the following inventories:

DSL : On the inventory, or in compliance with the inventory

SECTION 16. OTHER INFORMATION

Full text of other abbreviations

| | |
|---|---|
| 29 CFR 1910.1000 (Table Z-1-A) | : OSHA - Table Z-1-A (29 CFR 1910.1000) |
| 29 CFR 1910.1000 (Table Z-1) | : OSHA - Table Z-1 (Limits for Air Contaminants) 29 CFR 1910.1000 |
| 29 CFR 1910.1000 (Table Z-2) | : OSHA Table Z-2 (Toxic and Hazardous Substances) 29 CFR 1910.1000 |
| ACGIH | : USA. ACGIH Threshold Limit Values (TLV) |
| ACGIHTLV | : American Conference of Governmental Industrial Hygienists - threshold limit values (US) |
| CA AB OEL | : Canada. Alberta, Occupational Health and Safety Code (table 2: OEL) |
| CA BC OEL | : Canada. British Columbia OEL |
| CA QC OEL | : Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants |
| NIOSH | : NIOSH Pocket Guide to Chemical Hazards (US) |
| 29 CFR 1910.1000 (Table Z-1-A) / STEL value | : Short Term Exposure Limit (STEL): |
| 29 CFR 1910.1000 (Table Z-1-A) / TWA value | : Time Weighted Average (TWA): |
| 29 CFR 1910.1000 (Table Z-1) / PEL | : Permissible exposure limit |
| 29 CFR 1910.1000 (Table Z-2) / CLV | : Ceiling Limit Value: |
| 29 CFR 1910.1000 (Table Z-2) / TWA value | : Time Weighted Average (TWA): |
| 29 CFR 1910.1000 (Table Z-2) / max. conc. | : Maximum concentration: |
| ACGIH / TWA | : 8-hour, time-weighted average |
| ACGIH / STEL | : Short-term exposure limit |
| ACGIHTLV / STEL value | : Short Term Exposure Limit (STEL): |
| ACGIHTLV / TWA value | : Time Weighted Average (TWA): |
| CA AB OEL / TWA | : 8-hour Occupational exposure limit |
| CA AB OEL / STEL | : 15-minute occupational exposure limit |
| CA BC OEL / TWA | : 8-hour time weighted average |
| CA BC OEL / STEL | : short-term exposure limit |
| CA QC OEL / TWA EV | : Time-weighted average exposure value |
| CA QC OEL / STEV | : Short-term exposure value |
| NIOSH / REL value | : Recommended exposure limit (REL): |
| NIOSH / STEL value | : Short Term Exposure Limit (STEL): |

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AICS - Australian Inventory of Chemical Substances; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

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