



# SAFETY DATA SHEET

according to WHMIS 2015 and ANSI Z400.1-2010

## Easy-Mix HT 180 Resin

Material number 106541

Revision date: 24/Feb/2017

Version: 1

Language: en-CA,US

Date of print: 10/Apr/2017

Page: 1 of 9

## 1. Product and company identification

### Product identifier

Trade name: Easy-Mix HT 180 Resin

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

General use: Resin for 2 component adhesive (epoxy resin).  
Reserved for industrial and professional use.

### Details of the supplier of the safety data sheet

Company name: WEICON Inc.  
Street/POB-No.: 20 Steckle Place, Unit 20  
Postal Code, city: Kitchener, Ontario N2E 2C3, CA  
WWW: www.weicon.ca  
E-mail: info@weicon.ca  
Telephone: +1-519-896-5252  
Telefax: +1-519-896-5254  
Dept. responsible for information:  
Product-Safety-Department  
Telephone: +49(0)251 / 9322 - 0, Email: msds@weicon.de

### Emergency phone number

**EMERGENCY CONTACT – Canada (24h): Tel: ++1 866 928 0789 (Toll free)**

**Transport:**

**TRANSPORT EMERGENCY CONTACT - Canada (24h): Tel: ++1 866 928 0789 (Toll free)**

## 2. Hazards identification

### Emergency overview

Appearance: Physical state at 20 °C and 101.3 kPa: liquid  
Form: viscous  
Color: yellow-brown  
Odor: slightly perceptible  
Classification: Skin Corrosion 1B; Sensitization - skin 1; Carcinogenicity 2; Reproductive toxicity 2;

Hazard symbols:



Signal word:

**Danger**

Hazard statements: Causes severe skin burns and eye damage.  
May cause an allergic skin reaction.  
Suspected of causing cancer.  
Suspected of damaging fertility.



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## Easy-Mix HT 180 Resin

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Revision date: 24/Feb/2017

Version: 1

Language: en-CA,US

Date of print: 10/Apr/2017

Page:

2 of 9

Precautionary statements: Obtain special instructions before use.  
 Do not breathe dust/fume/gas/mist/vapors/spray.  
 Wash hands and face thoroughly after handling.  
 Contaminated work clothing should not be allowed out of the workplace.  
 Wear protective gloves/protective clothing/eye protection/face protection.  
 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
 IF ON SKIN: Wash with plenty of water/soap.  
 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].  
 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 IF exposed or concerned: Get medical advice/attention.  
 Immediately call a POISON CENTER/doctor.  
 Specific treatment (see ' First aid ' on this label).  
 If skin irritation or rash occurs: Get medical advice/attention.  
 Wash contaminated clothing before reuse.  
 Store locked up.  
 Dispose of contents/container to hazardous or special waste collection point.

### Regulatory status

This material is considered hazardous by the U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200) and SIMDUT in Canada.

### Hazards not otherwise classified

see section 11: Toxicological information

## 3. Composition / Information on ingredients

Relevant ingredients:

CAS No.	Designation	Content	Classification
CAS 4246-51-9	3,3'-Oxybis(ethyleneoxy) bis(propylamine)	10 - 15 %	Skin Corrosion 1B. Sensitization - skin 1.
CAS 90-72-2	2,4,6-tris (Dimethylaminomethyl) phenol	5 - 10 %	Acute Toxicity 4 (oral). Skin Corrosion 1B. Eye Damage 1. Sensitization - skin 1. Aquatic toxicity - chronic 3.
CAS 931-36-2	2-Ethyl-4-methylimidazole	2.5 - 3 %	Acute Toxicity 4 (oral). Skin Irritation 2. Eye Damage 1. Sensitization - skin 1.
CAS 15520-10-2	2-Methylpentane-1,5-diamine	1 - 2.5 %	Acute Toxicity 4 (oral). Acute Toxicity 4 (dermal). Acute Toxicity 4 (inhalative). Skin Corrosion 1A. Eye Damage 1. Specific Target Organ Toxicity (Single Exposure) 3.
CAS 71074-89-0	Bis[(dimethylamino) methyl]phenol	1 - 2.5 %	Skin Corrosion 1B.
CAS 822-36-6	4-Methylimidazole	0.3 - 0.5 %	Acute Toxicity 3 (oral). Acute Toxicity 3 (inhalative). Skin Corrosion 1B. Eye Damage 1. Carcinogenicity 2. Reproductive toxicity 2. Specific Target Organ Toxicity (Single Exposure) 3.

Additional information: Information about Silica, vitreous. The maximum workplace exposure limits are, where necessary, listed in section 8.



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## Easy-Mix HT 180 Resin

Material number 106541

Revision date: 24/Feb/2017

Version: 1

Language: en-CA,US

Date of print: 10/Apr/2017

Page:

3 of 9

### 4. First aid measures

General information:	First aider: Pay attention to self-protection! If medical advice is needed, have product container or label at hand. Take off immediately all contaminated clothing.
In case of inhalation:	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention.
Following skin contact:	Immediately clean with water and soap followed by thorough rinsing. In case of skin reactions, consult a physician.
After eye contact:	Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Subsequently seek the immediate attention of an ophthalmologist.
After swallowing:	Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

#### Most important symptoms and effects, both acute and delayed

Causes severe skin burns and eye damage. May cause an allergic skin reaction.  
Vomiting.

#### Information to physician

Treat symptomatically.

### 5. Fire fighting measures

Flash point/flash point range:	> 93.4 °C (c.c.)
Auto-ignition temperature:	not self-igniting
Suitable extinguishing media:	Water fog, extinguishing powder, alcohol resistant foam, carbon dioxide.
Extinguishing media which must not be used for safety reasons:	Full water jet, halones.

#### Specific hazards arising from the chemical

May form dangerous gases and vapours in case of fire.  
Furthermore, there may develop: Silicon dioxide, aromatic hydrocarbons, nitrogen oxides (NO<sub>x</sub>), carbon monoxide and carbon dioxide

Protective equipment and precautions for firefighters:	Use a breathing apparatus independent of the ambient air (isolated apparatus) and a full protection outfit (suit) against chemicals.
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Additional information:	Cool exposed containers with water spray. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion. Do not allow water used to extinguish fire to enter drains, ground or waterways. Fire residuals and contaminated extinguishing water must be disposed of in accordance with the regulations of the local authorities.
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### 6. Accidental release measures

Personal precautions:	Avoid exposure. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with the substance. Wear respiratory protection when in the presence of vapor, dust, and aerosols. If possible, eliminate leakage. Provide adequate ventilation. Wear appropriate protective equipment. Keep unprotected people away. Take off contaminated clothing and wash it before reuse.
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## Easy-Mix HT 180 Resin

Material number 106541

Revision date: 24/Feb/2017

Version: 1

Language: en-CA,US

Date of print: 10/Apr/2017

Page: 4 of 9

### Environmental precautions:

Do not allow to enter into ground-water, surface water or drains.  
If necessary notify appropriate authorities.

### Methods for clean-up:

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13).  
Beware of reignition. Thoroughly clean surrounding area.  
In case of greater quantities: Collect mechanically (use only explosion-proof equipment when pumping out).

## 7. Handling and storage

### Handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing. Wear appropriate protective equipment.  
Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Take off immediately all contaminated clothing and wash it before reuse. When handling large quantities, supply emergency spray. Obtain special instructions before use. Pregnant women should strictly avoid inhalation of the product or skin contact with the product.

### Precautions against fire and explosion:

Keep away from sources of ignition - No smoking.

### Storage

#### Requirements for storerooms and containers:

Keep container tightly closed and in a well-ventilated place.  
Protect from humidity and water. Keep only in the original container.  
Protect from heat and direct sunlight.  
Store containers in upright position.

#### Hints on joint storage:

Keep away from food, drink and animal feedingstuffs.  
Do not store together with: acids, alkalis, oxidizing agents.

#### Further details:

When handling larger quantities, take precautionary measures against electrostatic charging.

## 8. Exposure controls / personal protection

### Engineering controls

Provide for good ventilation or exhaust system or work with completely self-contained equipment.  
See also information in chapter 7, section storage.

### Personal protection equipment (PPE)

Eye/face protection: Tightly sealed goggles according to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2010

Skin protection: Wear suitable protective clothing.  
Protective gloves according to OSHA Standard - 29 CFR: 1910.138.  
Glove material: Nitrile rubber  
Breakthrough time: 60 min  
Layer thickness: 0.4  
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.



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according to WHMIS 2015 and ANSI Z400.1-2010

## Easy-Mix HT 180 Resin

Material number 106541

Revision date: 24/Feb/2017

Version: 1

Language: en-CA,US

Date of print: 10/Apr/2017

Page:

5 of 9

**Respiratory protection:** Respiratory protection must be worn whenever the TLV (WEL) levels have been exceeded.

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

**General hygiene considerations:**

Pregnant women should strictly avoid inhalation of the product or skin contact with the product.

Obtain special instructions before use.

Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing.

Take off immediately all contaminated clothing and wash it before reuse.

Do not eat, drink or smoke when using this product.

Wash hands thoroughly after handling.

When handling large quantities, supply emergency spray.

### Environmental exposure controls

Do not allow to enter into ground-water, surface water or drains.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

Appearance:	Physical state at 20 °C and 101.3 kPa: liquid Form: viscous Color: yellow-brown
Odor:	slightly perceptible
Odor threshold:	not determined
pH value:	No data available
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	calculated 132.5 °C (~1,3 hPa)
Flash point/flash point range:	> 93.4 °C (c.c.)
Evaporation rate:	at 25 °C: 1 kg/s
Flammability:	not applicable
Explosion limits:	LEL (Lower Explosion Limit): not determined UEL (Upper Explosive Limit): not determined
Vapor pressure:	at 20 °C: <= 10 hPa
Vapor density:	at 20 °C: >= 1
Density:	at 25 °C: 1.13 g/mL
Solubility:	No data available
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	not self-igniting
Thermal decomposition:	No decomposition when used properly.
Viscosity, kinematic:	at 40 °C: >= 10000 mm <sup>2</sup> /s
Explosive properties:	Product is not explosive.
Ignition temperature:	not determined

## 10. Stability and reactivity

Reactivity:	No data available
Chemical stability:	Stable under recommended storage conditions.



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## Easy-Mix HT 180 Resin

Material number 106541

Revision date: 24/Feb/2017

Version: 1

Language: en-CA,US

Date of print: 10/Apr/2017

Page: 6 of 9

### Possibility of hazardous reactions

Reactions with acids, alkalis, oxidizing agents.  
Reacts with radical former (peroxides).

### Conditions to avoid:

Keep away from heat sources, sparks and open flames.  
Protect against direct sunlight. Protect from humidity and water.

### Incompatible materials:

Acids, alkalis, oxidizing agents, fluorine, peroxides.

### Hazardous decomposition products:

Toxic gases/vapours.  
Hydrogen cyanide, formaldehyde, ammonia, nitrogen oxides (NO<sub>x</sub>), carbon monoxide and carbon dioxide.

### Thermal decomposition:

No decomposition when used properly.

## 11. Toxicological information

### Toxicological tests

#### Toxicological effects:

The statements are derived from the properties of the single components. No toxicological data is available for the product as such.

Acute toxicity (oral): Based on available data, the classification criteria are not met.  
ATEmix (calculated):  $2000 < ATE \leq 5000$  mg/kg.

Acute toxicity (dermal): Based on available data, the classification criteria are not met.  
ATEmix (calculated):  $> 5000$  mg/kg.

Acute toxicity (inhalative): Based on available data, the classification criteria are not met.  
ATEmix (calculated):  $> 20$  mg/L. (vapors)

Skin corrosion/irritation, eye damage/irritation: Skin Corrosion 1B = Causes severe skin burns and eye damage.

Sensitisation to the respiratory tract: Lack of data.

Skin sensitisation: Sensitization - skin 1 = May cause an allergic skin reaction.

Germ cell mutagenicity/Genotoxicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Carcinogenicity 2 = Suspected of causing cancer.

Reproductive toxicity: Reproductive toxicity 2 = Suspected of damaging fertility.

Effects on or via lactation: Lack of data.

Specific target organ toxicity (single exposure): Lack of data.

Specific target organ toxicity (repeated exposure): Lack of data.

Aspiration hazard: Lack of data.

#### Other information:

Information about 2-Ethyl-4-methylimidazole

LD50, Rat, oral: approx. 731 mg/kg (OECD 401)

LD50, Rabbit, dermal:  $> 400$  mg/kg (OECD 402)

LC50, Rat, inhalative:  $> 0.03$  mg/L (OECD 403)

Information about 2-Methylpentane-1,5-diamine

LD50, Rat, male, oral: approx. 1690 mg/kg (OECD 401)

LD50, Rabbit, dermal: 1870 mg/kg (OECD 402) (read across)

LC50, Rat, inhalative:  $> 4.9$  mg/L (OECD 403)

Information about 4-Methylimidazole

LD50, Rat, oral: approx. 173 mg/kg

### Symptoms

In case of inhalation: Irritating to respiratory system.

After eye contact: Upon direct contact with eyes may cause burning, tearing, redness.

### General remarks

Further hazardous properties cannot be excluded.



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according to WHMIS 2015 and ANSI Z400.1-2010

Revision date: 24/Feb/2017

Version: 1

Language: en-CA,US

Date of print: 10/Apr/2017

## Easy-Mix HT 180 Resin

Material number 106541

Page:

7 of 9

## 12. Ecological information

### Ecotoxicity

Aquatic toxicity: Information about 2,4,6-tris(Dimethylaminomethyl)phenol:  
Algae toxicity:  
EC50 Pseudokirchneriella subcapitata (green algae): 84 mg/L/72h  
Fish toxicity:  
LC50 Oncorhynchus mykiss: 180 - 240 mg/L/96d

Further details: Biodegradability  
Information about 2,4,6-tris(Dimethylaminomethyl)phenol: 4 %/28d (OECD 301 D).  
Poorly biodegradable.

### Mobility in soil

No data available

### Persistence and degradability

Further details: No data available

### Additional ecological information

General information: Do not allow to enter into ground-water, surface water or drains.

## 13. Disposal considerations

### Product

Recommendation: Dispose of waste according to applicable legislation.  
Do not dispose of with household waste.  
Dispose of as hazardous waste.

### Contaminated packaging

Recommendation: Dispose of waste according to applicable legislation.  
Handle contaminated packages in the same way as the substance itself.

## 14. Transport information

### USA: Department of Transportation (DOT)

Identification number: UN2735  
Proper shipping name: UN 2735, AMINES, LIQUID, CORROSIVE, N.O.S.  
(2,4,6-tris(Dimethylaminomethyl)phenol,  
3,3'-Oxybis(ethyleneoxy)bis(propylamine))  
Hazard class or Division: 8  
Packing Group: III  
Labels: 8  
Symbols: G  
Special provisions: IB3, T7, TP1, TP28  
Packaging – Exceptions: 154  
Packaging – Non-bulk: 203  
Packaging – Bulk: 241  
Quantity limitations – Passenger aircraft / rail: 5 L  
Quantity limitations – Cargo only: 60 L  
Vessel stowage – Location: A  
Vessel stowage – Other: 52







# SAFETY DATA SHEET

according to WHMIS 2015 and ANSI Z400.1-2010

Revision date: 24/Feb/2017

Version: 1

Language: en-CA,US

Date of print: 10/Apr/2017

## Easy-Mix HT 180 Resin

Material number 106541

Page:

8 of 9

### Canada: Transportation of Dangerous Goods (TDG)

UN Number: UN2735  
Shipping name: UN 2735, AMINES, LIQUID, CORROSIVE, N.O.S.  
(2,4,6-tris(Dimethylaminomethyl)phenol,  
3,3'-Oxybis(ethyleneoxy)bis(propylamine))  
TDG class: 8  
Packing group: III  
Special provisions: 16  
Explosive limit and limited quantity index: 5 L  
Passenger carrying road or rail index: 5 L

### Sea transport (IMDG)

UN number: UN 2735  
Proper shipping name: UN 2735, AMINES, LIQUID, CORROSIVE, N.O.S.  
(2,4,6-tris(Dimethylaminomethyl)phenol,  
3,3'-Oxybis(ethyleneoxy)bis(propylamine))  
Class or division, Subsidiary risk: Class 8, Subrisk-  
Packing Group: III  
EmS: F-A, S-B  
Special provisions: 223, 274  
Limited quantities: 5 L  
Excepted quantities: E1  
Contaminated packaging - Instructions: P001, LP01  
Contaminated packaging - Provisions: -  
IBC - Instructions: IBC03  
IBC - Provisions: -  
Tank instructions - IMO: -  
Tank instructions - UN: T7  
Tank instructions - Provisions: TP1, TP28  
Stowage and handling: Category A.  
Segregation: SG35  
Properties and observations: Colourless to yellowish liquids or solutions with a pungent odour. Miscible with or soluble in water. When involved in a fire, evolve toxic gases. Corrosive to most metals, especially to copper and its alloys. React violently with acids. Cause burns to skin, eyes and mucous membranes.  
Marine pollutant: no  
Segregation group: 18

### Air transport (IATA)

UN/ID number: UN 2735  
Proper shipping name: UN 2735, AMINES, LIQUID, CORROSIVE, N.O.S.  
(2,4,6-tris(Dimethylaminomethyl)phenol,  
3,3'-Oxybis(ethyleneoxy)bis(propylamine))  
Class or division, Subsidiary risk: Class 8  
Packing Group: III  
Hazard label: Corrosive  
Excepted Quantity Code: E1  
Passenger and Cargo Aircraft: Ltd.Qty.: Pack.Instr. Y841 - Max. Net Qty/Pkg. 1 L  
Passenger and Cargo Aircraft: Pack.Instr. 852 - Max. Net Qty/Pkg. 5 L  
Cargo Aircraft only: Pack.Instr. 856 - Max. Net Qty/Pkg. 60 L  
Special provisions: A3 A803  
Emergency Response Guide-Code (ERG): 8L

## 15. Regulatory information

### National regulations - Canada

No data available





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according to WHMIS 2015 and ANSI Z400.1-2010

## Easy-Mix HT 180 Resin

Material number 106541

Revision date: 24/Feb/2017

Version: 1

Language: en-CA,US

Date of print: 10/Apr/2017

Page: 9 of 9

### National regulations - U.S. Federal Regulations

Product: All ingredients of this product are on the TSCA inventory, or are not required to be listed on the TSCA inventory.

4-Methylimidazole: Prop, 95: Notice of Intent to List 4-methylimidazole

### National regulations - U.S. State Regulations

4-Methylimidazole: California Proposition 65: cancer  
Rhode Island HSL: listed

## 16. Other information

Text for labeling: Contains 10 - 15 % 3,3'-Oxybis(ethyleneoxy)bis(propylamine), 5 - 10 % 2,4,6-tris(Dimethylaminomethyl)phenol, 2.5 - 3 % 2-Ethyl-4-methylimidazole, 1 - 2.5 % 2-Methylpentane-1,5-diamine, 1 - 2.5 % Bis[(dimethylamino)methyl]phenol, 0.3 - 0.5 % 4-Methylimidazole. Safety data sheet available on request.

Hazard rating systems:



NFPA Hazard Rating:

Health: 3 (Serious)

Fire: 1 (Slight)

Reactivity: 0 (Minimal)

HMIS Version III Rating:

Health: 3 (Serious) - Chronic effects

Flammability: 1 (Slight)

Physical Hazard: 0 (Minimal)

Personal Protection: X = Consult your supervisor

HEALTH	*	3
FLAMMABILITY		1
PHYSICAL HAZARD		0
		X

Date of first version: 24/Feb/2017

### Department issuing data sheet

Contact person: see section 1: Dept. responsible for information

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.