

Issue Date: 10/02/14

Version: 1.3

Revision Date: 05/06/15

Trade Name: 41 Epoxy Accelerator

1 Identification
1.1 Product Identifier:
Product Name: Epoxy Accelerator 41

1.2 Application of the substance / the preparation:

Epoxy Accelerator 41 for use with 4100 Series

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Versatile Building Products

245 Carl Karcher Way

Anaheim, Ca 92801

U.S.A.

Information department

Health and Safety (8 AM to 5 PM-PST) 1-714-829-2600

MSDS@garagecoatings.com

1.4 Emergency telephone number:

 Infotrac: (800) 535-5053 (North America)
 (352) 323-3500 (International)

2 Hazard(s) identification
2.1 Classification of the substance or mixture
GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Harmful if swallowed	Category 4
Harmful in contact with skin	Category 4
Causes severe skin burns and eye damage	Category 1
Causes serious eye damage	Category 1

2.2 GHS Label Elements, including precautionary statements

Pictogram
Signal Word

Danger

Appearance: Clear Viscous Liquid

Physical State: Liquid

Odor: Amine

Hazard statements

Harmful if swallowed.

Harmful in contact with skin.

Causes severe skin burns and eye damage.

Causes serious eye damage.

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Precautionary statement(s) - Prevention

Keep container tightly closed.
Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
Wash skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Contaminated work clothing should not be allowed out of the workplace.
Avoid release to the environment.
Wear protective gloves/ protective clothing/ eye protection/ face protection.

Precautionary statement(s) - Response

IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER or doctor/ physician.
Call a POISON CENTER or doctor/ physician if you feel unwell.
Specific treatment (see supplemental first aid instructions on this label).
If skin irritation or rash occurs: Get medical advice/ attention.
If eye irritation persists: Get medical advice/ attention.
Take off contaminated clothing and wash before reuse.
Wash contaminated clothing before reuse.
Collect spillage.

Precautionary statement(s) - Storage

Store in a well-ventilated place. Keep container tightly closed.
Store in a well-ventilated place. Keep cool.
Store locked up.

Precautionary statement(s) - Disposal

Dispose of contents/ container to an approved waste disposal plant.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS – None

3 Composition/information on ingredients

3.1 Mixtures

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
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2,4,6-Tris(dimethylaminomethyl)phenol CAS Number: 0000090-72-2	75-100	Acute Tox. 4;H302 Eye Irrit. 2;H319 Skin Irrit. 2;H315	[1]
Bis[(dimethylamino)methyl]phenol CAS Number: 0071074-89-0	1.0-10	Skin Corr. 1;H314	[1]

[1] Substance classified with a health or environmental hazard

4 First-aid measures

4.1 Description of first aid measures

Inhalation	Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.
Eyes	Irrigate copiously with clean water for at least 15 minutes holding the eyelids apart and seek medical attention.
Skin	Immediately flush skin with water for at least 15 minutes while removing contaminated clothing and shoes.
Ingestion	If swallowed obtain immediate medical attention. Keep a rest. Do NOT induce vomiting. If conscious, give affected person milk or water to dilute ingested material. Get medical attention immediately.

4.2 Most important symptoms/effects, acute and delayed:

Overview	<p>Eyes: Acute: Lacrimation, conjunctivitis, and corneal edema when absorbed through eye tissue. Blue halo, fog, or haze may appear around lights and is a transient effect.</p> <p>Skin Contact Acute: Dryness, itching, and/or rash. Burns, necrosis, and/or permanent injury. Chronic: Repeated or prolonged exposure may cause allergic reaction/sensitization.</p> <p>Skin Absorption Acute: Nausea, headache, general discomfort. Chronic: ND</p> <p>Inhalation: Acute: Irritation of the respiratory tract. Shortness of breath, tightness and pain in the chest. May cause scarring of the tract tissue. Chronic: Dryness of nasal passages may result from long periods of inhalation.</p> <p>Ingestion Acute: Causes damage to the mucous membranes if swallowed. Burns and necrosis of the tract. Chronic: ND</p>
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See section 2 for further details.

Eyes	Causes serious eye damage.
Skin	Harmful in contact with skin. Causes severe skin burns and eye damage.
Ingestion	Harmful if swallowed.

5 Firefighting Measures

5.1 Extinguishing media

Suitable extinguishing media

For small (incipient) fires, use media such as "alcohol" foam, dry chemical, or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.

5.2 Special hazards arising from the substance or mixture

Carbon oxides, Hydrogen chloride gas, Hydrogen fluoride

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information

Use water spray to cool unopened containers.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8)

6.2 Environmental precautions

No data available

Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3 Methods and material for containment and cleaning up

Avoid contact with material. Clear area of non-essential personnel. Personnel wearing appropriate protective equipment should stop spill at source, contain spill, and pump material to salvage tank. Residual liquid should be taken up with clay, diatomaceous earth or other absorbent and collected in disposal container.

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7 Handling and storage**7.1 Precautions for safe handling**

For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. 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.

Store away from acids and oxidizers. Keep in cool, dry, ventilated storage area. Store in steel containers, preferably outdoors, above ground, with leak containment precautions in place.

Incompatible materials: Mineral acids, organic acids, oxidizing agents, and reactive metals.

Avoid contact with nitrous acid, nitrates, or high atmospheres of nitrous oxides as N-Nitrosamines (highly carcinogenic) may be formed.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8 Exposure controls/personal protection**8.1 Control parameters****Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

Overexposure Effects: Irritation and burning of the eyes, skin, and respiratory tract.

Conditions Aggravated by Exposure: Allergic reaction, sensitization, chronic respiratory disease, skin disorders.

8.2 Exposure controls**Appropriate engineering controls**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment**Eye/face protection**

Tightly fitting safety goggles. Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

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If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls.

If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

9 Physical and Chemical Properties

9.1 Information on basic physical and chemical properties
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a) Appearance	Form: Clear, viscous liquid Colour: light yellow
b) Odour	Amine Odor
c) Odour Threshold	No data available
d) pH	No data available
e) Melting point/freezing point	No data available
f) Initial boiling point and boiling range	>100 °C
g) Flash point	>148 °C (CC)
h) Evaporation rate	no data available
i) Flammability (solid/gas)	no data available
j) Upper/lower flammability or explosive limits	no data available
k) Vapour pressure	no data available
l) Vapour density	Heavier than air
m) Relative density	0.97 g/cm ³ at 25°C (77°F)
n) Water solubility	Slightly soluble
o) Partition coefficient: n-octanol/water	no data available
p) Auto-ignition temperature	no data available
q) Decomposition temperature	no data available
r) Viscosity	250-500 CPS at 25°C (77°F)
s) Explosive properties	no data available
t) Oxidizing properties	no data available
u) VOC, g/L	0 g/L

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9.2 Other safety information

No data available

10 Stability and reactivity

10.1 Control parameters

No data available

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

Mineral acids, organic acids, oxidizing agents, and reactive metals. Avoid contact with nitrous acid, nitrates, or high atmospheres of nitrous oxides as N-Nitrosamines (highly carcinogenic) may be formed.

5.1 Hazardous decomposition products

Ammonia when heated. Nitrosamines, aldehydes. From combustion: Nitric acid, NOx, Carbon monoxide

11 Toxicological Information

11.1 Information on toxicological effects

Acute toxicity

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LD50, mg/kg	Inhalation Dust/Mist LD50, mg/L/4hr	Inhalation Gas LD50, ppm
2,4,6-Tris(dimethylaminomethyl)phenol - (90-72-2)	1,200.00 Rat- Category 4	1,280, Rat- Category 4	No data available	No data available	No data available
Bis[(dimethylamino)methyl]phenol - (71074-89-0)	No data available	No data available	No data available	No data available	No data available

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Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Classification	Category	Hazard Description
Acute toxicity (oral)	4	Harmful if swallowed
Acute toxicity (dermal)	4	Harmful in contact with skin
Acute toxicity (inhalation)		Not Applicable
Skin corrosion/irritation	1	Causes severe skin burns and eye damage
Serious eye damage/irritation	1	Causes serious eye damage
Respiratory sensitization		Not Applicable
Skin sensitization		Not Applicable
Germ cell mutagenicity		Not Applicable
Carcinogenicity		Not Applicable
Reproductive toxicity		Not Applicable
STOT-single exposure		Not Applicable
STOT-repeated exposure		Not Applicable
Aspiration hazard		Not Applicable

12 Ecological information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Other adverse effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

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13 Disposal considerations

13.1 Waste treatment methods

Product

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging

Dispose of as unused product.

14 Transport information

	DOT (Domestic Surface Transportation)	IMO/IMDG (Ocean Transport)	ICAO/IATA
UN Number	UN2735	UN2735	UN2735
UN Proper Shipping Name	UN2735, Amines, liquid, corrosive, n.o.s, or Polyamines, liquid, corrosive, n.o.s., (2,4,6-Tris(dimethylaminomethyl)phenol), 8, III	Amines, liquid, corrosive, n.o.s, or Polyamines, liquid, corrosive, n.o.s., (2,4,6-Tris(dimethylaminomethyl)phenol)	Amines, liquid, corrosive, n.o.s, or Polyamines, liquid, corrosive, n.o.s., (2,4,6-Tris(dimethylaminomethyl)phenol)
Transport Hazard Class(es)	DOT Hazard Class: 8 DOT Label: 8	IMDG: 8 Sub Class: Not Applicable	Air Class: 8
Packing Group	III	III	III

Environmental hazards

IMDG: Marine Pollutant: No

Special precautions for user

No further information

Transport in bulk according to Annex II of Marpol73/78 and the IBC Code

Not Applicable

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15 Regulatory information**United States Regulatory Information****TSCA 8 (b) Inventory Status**

All Components are listed or exempt from listing on the Toxic Substances Control Act Inventory.

TSCA 12 (b) Export Notification

None above reporting de minimus

SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Pennsylvania Right To Know Components

No product ingredients listed

New Jersey Right To Know Components

No product ingredients listed

California Prop. 65 Components

This product may contain chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Canada Regulatory Information**CEPA DSL/NDSL Status:**

All components are listed on or are exempt from listing on the Domestic Substances List.

16 Other information

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HMIS Rating

Health Hazard:	3
Flammability:	1
Physical Hazard:	0

NFPA Rating

Health Hazard:	3
Fire Hazard:	1
Reactivity Hazard:	0

Disclaimer:

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