

Printing Date: 09/17/14

Version: 1.0

Revision Date: 9/17/14

Trade Name: 50 Retarder

**Safety Data Sheet**

According to EC 1709/2006

Version: 1.1

Product: 50 Retarder

**HMIS Hazard Ratings:**

Health	3
Flammability	2
Reactivity	0
Personal Protection	B

**NFPA Rating:**

Health Hazard:	3
Fire Hazard:	2
Reactivity Hazard:	0

**1 Identification****1.1 Product Identifier: 50 Retarder****Trade Name:** 50 Retarder**1.2 Application of the substance / the preparation:**

Polyaspartic Reaction Modifier

**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) 1-800-535-3325

MSDS@garagecoatings.com

**1.4 Emergency telephone number:**

Infotrac: (800) 535-5053

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

Flammable liquids (category 3), H226

Skin corrosion (Category 1C), H314

Skin Irritation (Category 2), H315

Skin sensitisation (Category 1), H317

Serious eye damage (Category 1), H318

Eye Irritation (Category 2A), H319

Specific Target Organ toxicity – skin exposure (category 3), Respiratory system, H335

Germ cell mutagenicity (Category 2), H341

Reproductive toxicity (Category 1B), H360  
 Specific target organ toxicity - single exposure (Category 1), H370  
 Specific target organ toxicity - repeated exposure (Category 1), H372  
 Acute aquatic toxicity (Category 1), H400  
 Chronic aquatic toxicity (Category 1), H410

## 2.2 GHS Label Elements, including precautionary statements



Pictogram

Signal Word

Danger

Hazard statements

H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H341	Suspected of causing genetic defects.
H360	May damage fertility or the unborn child.
H370	Causes damage to organs.
H372	Causes damage to organs through prolonged or repeated exposure.
H410	Very toxic to aquatic life with long lasting effects.

Precautionary statement(s)

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ ventilating/ lighting/ equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
P261	Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P264	Wash skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301 + P330 + P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

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P303 + P361 + P353	IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304 + P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
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 or doctor/ physician.
P312	Call a POISON CENTER or doctor/ physician if you feel unwell.
P321	Specific treatment (see supplemental first aid instructions on this label).
P332 + P313	If skin irritation occurs: Get medical advice/ attention.
P333 + P313	If skin irritation or rash occurs: Get medical advice/ attention.
P337 + P313	If eye irritation persists: Get medical advice/ attention.
P362	Take off contaminated clothing and wash before reuse.
P363	Wash contaminated clothing before reuse.
P370 + P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
P391	Collect spillage.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	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

Chemical Name	CAS Number	%
4-Chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene	98-56-6	>80%
Proprietary Ingredients		<20%

## 4 First-aid measures

### 4.1 Description of first aid measures

#### General advice

Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance.

#### After inhalation:

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

#### After skin contact:

Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

#### After eye contact:

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.

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**After swallowing:**

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**4.2 Most important symptoms/effects, acute and delayed:**

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

**4.3 Indication of immediate medical attention and special treatment needed**

5 No Data Available

**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**

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

For personal protection see section 8.

**6.2 Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

**6.3 Methods and materials for containment and cleaning up**

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

**6.4 Reference to other sections**

For disposal see section 13.

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

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

Keep away from sources of ignition - No smoking. Take measures to prevent the buildup of electrostatic charge.

For precautions see section 2.2.

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**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.

**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.

**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.

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.

**Body Protection**

Impervious clothing, Flame retardant antistatic protective clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**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).

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**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**

a) <b>Appearance</b>	Form: Clear, viscous liquid Colour: light yellow
b) <b>Odour</b>	Solvent
c) <b>Odour Threshold</b>	No data available
d) <b>pH</b>	No data available
e) <b>Melting point/freezing point</b>	Melting point/range: -36 °C (-33 °F) - lit.
f) <b>Initial boiling point and boiling range</b>	136 - 138 °C (277 - 280 °F) - lit.
g) <b>Flash point</b>	43 °C (109 °F) - closed cup
h) <b>Evaporation rate</b>	no data available
i) <b>Flammability (solid/gas)</b>	no data available
j) <b>Upper/lower flammability or explosive limits</b>	no data available
k) <b>Vapour pressure</b>	no data available
l) <b>Vapour density</b>	no data available
m) <b>Relative density</b>	1.293 g/cm <sup>3</sup> at 25°C (77°F)
n) <b>Water solubility</b>	no data available
o) <b>Partition coefficient: n-octanol/water</b>	no data available
p) <b>Auto-ignition temperature</b>	no data available
q) <b>Decomposition temperature</b>	no data available
r) <b>Viscosity</b>	no data available
s) <b>Explosive properties</b>	no data available
t) <b>Oxidizing properties</b>	no data available
u) <b>VOC, g/L</b>	0 g/L

**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**

Heat, flames and sparks.

**10.5 Incompatible materials**

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Strong bases, Strong oxidizing agents

**10.6 Hazardous decomposition products**

Hazardous decomposition products formed under fire conditions. - Carbon oxides, Tin/tin oxides

Other decomposition products - no data available

In the event of fire: see section 5

<b>11 Toxicological Information</b>
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**11.1 Information on toxicological effects****Acute toxicity**

No Data Available

**Skin corrosion/irritation**

No Data Available

**Serious eye damage/eye irritation**

No Data Available

**Respiratory or skin sensitization**

No Data Available

**Germ cell mutagenicity**

No Data Available

**Carcinogenicity**

This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive toxicity**

Presumed human reproductive toxicant

Developmental Toxicity - rat - Oral

Specific Developmental Abnormalities: Craniofacial (including nose and tongue).

Specific Developmental Abnormalities: Musculoskeletal system.

**Specific target organ toxicity - single exposure**

Causes damage to organs. - Thymus.

**Specific target organ toxicity - repeated exposure**

Causes damage to organs through prolonged or repeated exposure. - Thymus.

**Aspiration hazard**

No Data Available

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**Additional Information**

RTECS: WH7000000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**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. Very toxic to aquatic life with long lasting effects.

**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**

The shipping classification in this section is for bulk packaging only. Shipping classification may be different for non-bulk packaging as exceptions may apply. Refer to shipping documents for package specific transportation classification.

**DOT (US)**

UN number: 2234

Class: 3

Packing group: III



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Proper shipping name: Chlorobenzotrifluorides  
Marine pollutant: No  
Poison Inhalation Hazard: No  
Exceptions: Consumer Commodity, ORM-D

**IMDG**

UN number: 2234 Class: 3 Packing group: III EMS-No: F-E, S-D  
Proper shipping name: CHLOROBENZOTRIFLUORIDES  
Marine pollutant: No  
Exceptions: Consumer Commodity, ORM-D

**IATA**

UN number: 2234 Class: 3 Packing group: III  
Proper shipping name: Chlorobenzotrifluorides  
Exceptions: Consumer Commodity, ORM-D

**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.

**SARA 311/312 Hazards**

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

**Pennsylvania Right To Know Components**

	CAS-No.
4-Chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene	98-56-6

**New Jersey Right To Know Components**

	CAS-No.
4-Chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene	98-56-6

**California Prop. 65 Components**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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

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

<b>16 Other information</b>
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Further Information: HMIS® is a registered trade and service mark of the NPCA

## HMIS Rating

Health Hazard: 3

Flammability: 2

Physical Hazard: 0

Personal Protection: **B**

## NFPA Rating

Health Hazard: 3

Fire Hazard: 2

Reactivity Hazard: 0

**Disclaimer:**

This material Safety Data Sheet (SDS) was prepared in accordance with 29 CFR 1910.1200 by Versatile Building Products. Versatile Building Products does not assume any liability arising out of product use by others. The information, recommendations, and suggestions presented in this SDS are based upon test results and data believed to be reliable. The end user of the product has the responsibility for evaluating the adequacy of the data under the conditions of use, determining the safety, toxicity and suitability of the product under these conditions, and obtaining additional or clarifying information where uncertainty exists. No guarantee expressed or implied is made as to the effects of such use, the results to be obtained, or the safety and toxicity of the product in any specific application. Furthermore, the information herein is not represented as absolutely complete, since it is not practicable to provide all the scientific and study information in the format of this document, plus additional information may be necessary under exceptional conditions of use, or because of applicable laws or government regulations.