

Issue Date: 09/17/14

Version: 1.3

Revision Date: 05/05/15

Trade Name: 50 Retarder

1 Identification

1.1 Product Identifier

Product Name: 50 Retarder

1.2 Application of the substance / the preparation:

5073 & 5108 Pot-Life Extender Additive

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)

Flammable liquids	Category 3
Skin corrosion	Category 1C
Skin irritation	Category 2
Skin sensitization	Category 1
Serious eye damage	Category 1
Eye irritation	Category 2
Specific target organ toxicity skin exposure (single exposure)	Category 3
Germ cell mutagenicity	Category 1B
Reproductive toxicity	Category 1B
Specific target organ toxicity (single exposure)	Category 1
Specific target organ toxicity (repeated exposure)	Category 1
Acute aquatic toxicity	Category 1
Chronic aquatic toxicity	Category 1

2.2 GHS Label Elements, including precautionary statements

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**Pictogram****Signal Word**

Danger

Appearance: Clear Viscous Liquid**Physical State:** Liquid**Odor:** Solvent**Hazard statements**

Flammable liquid and vapour.
Causes skin irritation.
Causes severe skin burns and eye damage.
May cause an allergic skin reaction.
Causes serious eye irritation.
May cause respiratory irritation.
Suspected of causing genetic defects.
May damage fertility or the unborn child.
Causes damage to organs.
Causes damage to organs through prolonged or repeated exposure.
Very toxic to aquatic life with long lasting effects.

Precautionary statement(s) - Prevention

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ ventilating/ lighting/ equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
Wash skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
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.

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Wash contaminated clothing before reuse.
In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
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**

Chemical Name	CAS Number	%
4-Chloro- α,α,α -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.

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 Firefighting Measures****5.1 Extinguishing media**

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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.

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).

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) Appearance	Form: Clear, viscous liquid Colour: light yellow
b) Odour	Solvent
c) Odour Threshold	No data available
d) pH	No data available
e) Melting point/freezing point	Melting point/range: -36 °C (-33 °F) - lit.

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f) Initial boiling point and boiling range	136 - 138 °C (277 - 280 °F) - lit.
g) Flash point	43 °C (109 °F) - closed cup
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	1.293 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	100-300 CPS 25°C (77°F)
s) Explosive properties	no data available
t) Oxidizing properties	no data available
u) VOC, g/L	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

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

11 Toxicological Information

11.1 Information on likely routes of exposure

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
4-Chloro- α,α,α -trifluorotoluene 98-56-6	13,000 mg/kg	No data available	No data available

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Proprietary Ingredients	2071 mg/kg	>2000 mg/kg	No data available
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11.2 Information on physical, chemical and toxicological effects

Symptoms Causes eye irritation. Causes skin irritation. Stomach ache, nausea, vomiting, dullness, vision disorder, and blindness.

11.3 Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization	Skin sensitizer
Germ cell mutagenicity	Known to induce heritable mutations in germ cells of humans
Carcinogenicity	Carcinogenic potential is unknown
Reproductive toxicity	Presumed human reproductive toxicant.
STOT – Single exposure	Causes damage to organs – Thymus
STOT – Repeated exposure	Causes damage to organs through prolonged or repeated exposure. - Thymus

11.4 Numerical measures of toxicity – Product

Not determined

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix(oral)	7048 mg/kg
ATEmix(dermal)	No data available
ATEmix(inhalation-dust/mist)	No data available

Additional Information

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

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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**Flashpoint: 133°F**

Product exhibits a flashpoint of 133°F. However, this product is non-regulated material under Hazardous Material and IMDG Code because it does not sustain combustion.

DOT (US)

Not Dangerous Goods

IMDG

Not Dangerous Goods

IATA

Not Dangerous Goods

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.

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SARA 311/312 Hazards

Acute health hazard	Yes
Chronic health hazard	Yes
Fire hazard	Yes
Sudden release of pressure hazard	No
Reactive hazard	No

Pennsylvania Right To Know Components

	CAS-No.
4-Chloro- α,α,α -trifluorotoluene	98-56-6

New Jersey Right To Know Components

	CAS-No.
4-Chloro- α,α,α -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.

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

Issue Date: 17-Sept-2014
Revision Date: 05-May-2015
Revision Note: Update information

HMIS Rating

Health Hazard: 3
Flammability: 2
Physical Hazard: 0

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

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