

# Safety Data Sheet

## Section 1 - Identification of the Substance/Mixture and of the Company/Undertaking

Product Name: SPECIAL RETARDER Product Code: S71-0010

Strathmore Products, Inc.  
1970 W. Fayette St.  
PO Box 151  
Syracuse, NY 13201  
315-488-5401

Emergency Phone (Day) M-F 8a-5p EST: 315-488-5401  
Emergency Phone (Night) All other Hours:  
Health - Poison Control Center: 315-476-4766  
Spills - Chemtel: 1-800-255-3924

Product Use: Reducer

Not recommended for: No Information Available.

## Section 2 - Hazards Identification

### GHS Ratings:

Flammable liquid	4	Flash point $\geq 60^{\circ}\text{C}$ ( $140^{\circ}\text{F}$ ) and $\leq 93^{\circ}\text{C}$ ( $200^{\circ}\text{F}$ )
Oral Toxicity	Acute Tox. 4	Oral $>300$ and $\leq 2000$ mg/kg
Skin corrosive	2	Reversible adverse effects in dermal tissue, Draize score: $\geq 2.3$ < 4.0 or persistent inflammation
Eye corrosive	2A	Eye irritant: Subcategory 2A, Reversible in 21 days
Reproductive toxin	2	Human or animal evidence possibly with other information

### GHS Hazards

H227	Combustible liquid
H302	Harmful if swallowed
H315	Causes skin irritation
H319	Causes serious eye irritation
H361	Suspected of damaging fertility or the unborn child

### GHS Precautions

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
P235	Keep cool
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product
P280	Wear protective gloves/protective clothing/eye protection/face protection
P281	Use personal protective equipment as required
P321	Specific treatment (see supplemental first aid instruction on this label)
P330	Rinse mouth
P362	Take off contaminated clothing and wash before reuse
P301+P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
P302+P352	IF ON SKIN: Wash with soap and water
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing
P308+P313	IF exposed or concerned: Get medical advice/attention
P332+P313	IF skin irritation occurs: Get medical advice/attention
P337+P313	Get medical advice/attention
P370+P378	In case of fire: Use water spray, carbon dioxide (CO <sub>2</sub> ), dry powder or dry chemical foam for extinction.
P405	Store locked up
P403+P235	Store in a well ventilated place. Keep cool

**Signal Word: Warning**

<b>Section 3 - Composition Information on Ingredients</b>
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Chemical Name	CAS number	Weight Concentration %
Ethylene Glycol Monobutyl Ether (Butyl Cellosolve)	111-76-2	10.00% - 30.00%

<b>Section 4 - First Aid Measures</b>
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**4.1 Description of First Aid Measures**

**General Advice** - Show this safety data sheet to the doctor in attendance.

**Inhalation** - Move to fresh air. If symptoms persist, call a physician.

**Eye Contact** - Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. Call a physician immediately.

**Skin Contact** - Wash off immediately with soap and plenty of water. Take off contaminated clothing. Get medical attention if irritation persists.

**Ingestion** - Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Get medical attention immediately if symptoms occur.

**Protection of First-aiders** - Remove all sources of ignition. Use personal protective equipment.

<b>Section 5 - Firefighting Measures</b>
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Flash Point: 66 C (151 F)

LEL: 1.00

UEL:

**5.1 Extinguishing Media**

**Suitable Extinguishing Media** - Carbon Dioxide (CO<sub>2</sub>). Dry powder. Dry chemical foam. Water spray.

**Unsuitable Extinguishing Media** - Do not use a solid water stream as it may scatter and spread fire.

**5.2 Special Hazards Arising from the Substance or Mixture** - Vapors may form explosive mixtures with air. Most vapors are heavier than air. They will spread along the ground and collect in low or confined areas (sewers, basements, tanks). Vapors may travel to source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.

**Hazardous Combustible Products** - No additional information available.

**5.3 Advice for Firefighters** - As in any fire, wear self-contained breathing apparatus and full protective gear.

**Protective Equipment** - Do not enter a fire area without proper protective equipment, including respiratory protection. Wear a self containing breathing apparatus.

<b>Section 6 - Accidental Release Measures</b>
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**6.1 Personal Precautions, Protective Equipment and Emergency Procedures** - ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use personal protective equipment. Avoid contact with skin, eyes and clothing.

**6.2 Environmental Precautions** - Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewers, basements or confined areas.

**6.3 Methods and Materials for Containment and Cleaning Up** - A vapor suppressing foam may be used to reduce vapors. Dike far ahead of liquid spill for later disposal.

Dam up. Soak up with inert absorbant materials (e.g. sand, silica gel, acid binder, universal binder, sawdust). Use clean non-sparking tools to collect absorbed material. Keep in suitable, closed containers for disposal.

## Section 7 - Handling and Storage

**7.1 Precautions for Safe Handling** - Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Use only in an area containing flame proof equipment. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Use only in area provided with appropriate exhaust ventilation. Wear personal protective equipment. Do not breathe vapors or spray mist. Avoid contact with skin, eyes and clothing.

**Hygiene Measures** - When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing.

**7.2 Conditions for Safe Storage, Including Any Incompatibilities** - Keep containers tightly closed in a dry, cool, well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition.

**7.3 Regulatory Requirements** - No additional information.

## Section 8 - Exposure Controls/Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Ethylene Glycol Monobutyl Ether (Butyl Cellosolve) 111-76-2	50 ppm TWA; 240 mg/m <sup>3</sup> TWA	20 ppm TWA	NIOSH: 5 ppm TWA; 24 mg/m <sup>3</sup> TWA

**8.1 Engineering Controls** - Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Use explosion proof ventilation equipment.

**Ventilation** - Local guidelines on emission limits for volatile substances must be observed for the discharge of exhaust air containing vapor. Avoid discharge to the environment.

**Administration Controls** - No information available.

**8.2 Exposure Controls** - Avoid all unnecessary exposure. Gloves. Protective Goggles. For certain operations, additional Personal Protective Equipment (PPE) may be required.

**Hand Protection** - Wear protective gloves. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Impervious gloves (neoprene) should be worn to protect against skin contact. A combination of barrier cream, applied before exposure and gloves is recommended.

**Eye Protection** - Chemical goggles and/or face shields are required to prevent potential eye contact, irritation or injury.

**Skin and Body Protection** - Wear suitable protective clothing. Chemical resistant safety shoes. Protective apron.

**Respiratory Protection** - Wear appropriate mask. A NIOSH/MSHA approved organic vapor respirator/supplied air or self-contained breathing apparatus must be used when vapor concentration exceeds applicable exposure limits. In applications where aerosols or vapors are emitted, a full face organic vapor cartridge respirator with a particulate pre-filter should be worn. In confined areas and in emergency situations, use a self-contained breathing apparatus or other air supplied full face respirator.

**Contaminated Gear:** Launder mildly contamination clothing. Dispose of moderate/heavily contaminated clothing, including shoes.

## Section 9 - Physical and Chemical Properties

### 9.1 Information on Basic Physical and Chemical Properties

Color Clear Vapor Pressure: N/A	Odor Glycol Vapor Density: 4.1
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<b>Weight Per Gallon 7.50</b> <b>Boiling range: 168°C</b> <b>Grams VOC/Liter Less Water 900.8</b>	<b>Freezing point: N/A</b> <b>Flash Point 151 F,66 C</b> <b>Lbs VOC/Gallon Less Water 7.52</b>
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<b>Section 10 - Stability and Reactivity</b>
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**10.1 Reactivity** - No data available.

**10.2 Chemical Stability** - Product is stable under recommended conditions.  
 STABLE

**10.3 Incompatible Materials** - Strong oxidizing agents. Strong bases. Strong acids.

**10.4 Conditions to Avoid** - Heat, flames and sparks.  
 No additional information available

**10.5 Possibility of Hazardous Reactions** - None under normal processing.

**10.6 Hazardous Decomposition Products** - Carbon oxides. Hydrogen Chloride. Hydrogen Fluoride.  
 No additional information available  
 Hazardous polymerization will not occur.

<b>Section 11 - Toxicological Information</b>
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**Mixture Toxicity**

Oral Toxicity LD50: 1,300mg/kg  
 Dermal Toxicity LD50: 2,500mg/kg  
 Inhalation Toxicity LC50: 450mg/L

**Component Toxicity**

111-76-2 Ethylene Glycol Monobutyl Ether (Butyl Cellosolve)  
 Oral LD50: 1,300 mg/kg (Rat) Dermal LD50: 2,500 mg/kg (Rabbit) Inhalation LC50: 450 ppm (Ra)

**11.1 Information on Toxicological Effects -**

**Target Organ Effects** - Central nervous system (CNS). Respiratory system.

**Acute Toxicity**

Inhalation - May cause irritation of respiratory tract.  
 Eye Contact - Irritating to eyes. Causes serious eye irritation.  
 Skin Contact - Causes skin irritation.  
 Ingestion - Ingestion may cause irritation to mucous membranes.

**100-41-4 Ethylbenzene**

If the coating contains ethylbenzene. Ethylbenzene is classified by IARC as possibly carcinogenic to humans (group 2B) based on inadequate evidence in humans & sufficient evidence in lab animals. Lifetime inhalation exposure to high concentrations of ethylbenzene in mice & rats results in increases in certain types of cancer, such as liver & lung tumors in mice & kidney tumors in rats. These effects were not seen when the animals were exposed to lower concentrations. There is no evidence ethylbenzene causes cancer in humans.

**1333-86-4 Carbon Black**

If the coating contains carbon black. Carbon black is classified by IARC as possibly carcinogenic to humans (group 2B) based on experimental animal testing data. However there is insufficient evidence in humans for its carcinogenicity.

**13463-67-7 Titanium Dioxide**

If the coating contains titanium dioxide. Titanium dioxide is classified by IARC as possibly carcinogenic to humans (group 2B). Titanium dioxide is suspected of causing cancer by inhalation, which is not a viable route of entry as all titanium dioxide is dispersed into a liquid mixture in coatings.

CAS NumberDescription% WeightCarcinogen Rating

None

No additional information available

**Section 12 - Ecological Information****General Notes** - Avoid release to the environment.**Component Ecotoxicity**

Ethylene Glycol Monobutyl Ether (Butyl Cellosolve) 96 Hr LC50 Lepomis macrochirus: 1490 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: 2950 mg/L  
48 Hr EC50 Daphnia magna: >1000 mg/L

**Section 13 - Disposal Considerations****13.1 Waste Treatment Methods****Waste from Residues/Unused Products** - Dispose of in accordance with local regulations.**Contaminated Packaging** - Empty containers should be taken to an approved waste handling site for recycling or disposal.**Section 14 - Transportation Information**

**Disclaimer:** Any given paint product can be shipped in different size containers, ranging from a pint can to bulk tanks. The shipping regulations in the United States vary depending on container size. The Basic Description given below are for shipments in fully regulated non-bulk containers, where the UN ID number, Proper Shipping Name, (technical names, if any), Packing Groups & Hazard Class (subsidiary risks, if any) are given. This section does not cover packaging exceptions, such as smaller quantities that can be shipped in combination packages i.e. Limited Quantity or Consumer Commodity with or without basic descriptions or shipping papers. Also not covered are exceptions given for products that do not sustain combustion and are excepted from regulations under certain modes of transportation. Nor for products containing Reportable Quantities (RQ's) of hazardous substances when shipped in bulk, but not reportable when shipped in non-bulk packaging. All subsequent shipping of this product must be done by properly trained and certified employees under the specific competent authority's regulations.

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	NON-REG	N/A	N/A	N/A
IATA	NON-REG	N/A	N/A	N/A
IMDG	NON-REG	N/A	N/A	N/A

**Section 15 - Regulatory Information****15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture - DSL**

- None

In compliance with DSL Inventory requirements for commercial purposes.

**Massachusetts Right to Know**

111-76-2 Ethylene Glycol Monobutyl Ether (Butyl Cellosolve) 10 to 30 %

In compliance with Massachusetts Right to Know Inventory requirements for commercial purposes.

**New Jersey Right to Know**

111-76-2 Ethylene Glycol Monobutyl Ether (Butyl Cellosolve) 10 to 30 %

In compliance with New Jersey Right to Know Inventory requirements for commercial purposes.

**Pennsylvania Right to Know**

111-76-2 Ethylene Glycol Monobutyl Ether (Butyl Cellosolve) 10 to 30 %

In compliance with Pennsylvania Right to Know Inventory requirements for commercial purposes.

**State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): WARNING!**

This product contains the following chemicals which are listed by the state of California as carcinogenic or a reproductive toxin:

- None

**The following items are reportable under SARA 312.**

- None

The following items are reportable under SARA 313.

- None

**TSCA**

111-76-2 Ethylene Glycol Monobutyl Ether (Butyl Cellosolve) 10 to 30 %

In compliance with TSCA Inventory requirements for commercial purposes .

**WHMIS**

111-76-2 Ethylene Glycol Monobutyl Ether (Butyl Cellosolve) 10 to 30 %

In compliance with WHMIS Inventory requirements for commercial purposes.

Country

Regulation

All Components Listed

EU Risk Phrases

Safety Phrase

- None

**Section 16 - Other Information**

**User's Responsibility** - The responsibility to provide a safe workplace remains with the user . The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required as an individual operation to instruct employees and develop work practice procedures for a safe work environment. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations. To the best of our knowledge, the information contained herein is accurate . However, Strathmore Products, Inc. assumes no liability whatsoever for the accuracy, reliability or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. Since conditions of handling and use are beyond our control, we make no guarantee of results and assume no liability for damages incurred by use of this material. All materials may present unknown health and safety hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.

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Reviewer Revision 1

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