

# Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 01/26/2001

Reviewed on 03/28/2000

## 1 Identification of substance

### Product details

**Trade name:** ATHLETIC FIELD MARKER - WHITE

**Product code:** 0000200644

**Manufacturer/Supplier:**  
SEYMOUR OF SYCAMORE  
917 Crosby Avenue  
Sycamore, IL 60178



+1 815-895-9101

**Information department:** Health & Safety Department  
**Emergency information:** CHEMTREC 1 800 255 3924

## 2 Composition/Data on components

### Chemical characterization

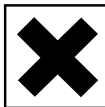
**Description:** Mixture of the substances listed below with nonhazardous additions.

#### Dangerous components:

74-98-6	propane	12.6485%
1317-65-3	Calcium Carbonate	11.8761%
13463-67-7	titanium dioxide	8.8592%
1330-20-7	xylene (mix)	8.309%
106-97-8	butane	7.4284%
110-54-3	n-hexane	6.0157%
108-88-3	toluene	5.1099%
64742-89-8	Solvent naphtha (petroleum), light aliph.	5.0991%
100-41-4	ethylbenzene	2.0653%
64742-95-6	Solvent naphtha (petroleum), light arom.	1.0389%

## 3 Hazards identification

### Hazard description:



Harmful  
Extremely flammable

### Information pertaining to particular dangers for man and environment:

Possible risk of impaired fertility

Extremely flammable.

Harmful by inhalation.

Harmful: danger of serious damage to health by prolonged exposure through inhalation.

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

Contains 43.9 mass percent inflammable materials.

Keep out of the reach of children.

### Classification system:

The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

**NFPA ratings (scale 0 - 4)**



Health = 1  
Fire = 4  
Reactivity = 3

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**HMIS-ratings (scale 0 - 4)**

HEALTH	1
FIRE	3
REACTIVITY	3

Health = 1

Fire = 3

Reactivity = 3

**4 First aid measures****General information:**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

**After inhalation:**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

**After skin contact:** Generally the product does not irritate the skin.

**After eye contact:** Rinse opened eye for several minutes under running water.

**After swallowing:** If symptoms persist consult doctor.

**5 Fire fighting measures****Suitable extinguishing agents:**

CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**For safety reasons unsuitable extinguishing agents:** Water with full jet

**Protective equipment:** Mount respiratory protective device.

**6 Accidental release measures**

**Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.

**Measures for environmental protection:**

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

**Measures for cleaning/collecting:**

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

**7 Handling and storage****Handling:****Information for safe handling:**

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

**Information about protection against explosions and fires:**

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material.

**Storage:****Requirements to be met by storerooms and receptacles:**

Store in a cool location.

Observe official regulations on storing packagings with pressurized containers.

**Information about storage in one common storage facility:** Not required.

**Further information about storage conditions:**

Keep receptacle tightly sealed.

Do not gas tight seal receptacle.

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

**8 Exposure controls and personal protection**

**Additional information about design of technical systems:** No further data; see item 7.

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**Components with limit values that require monitoring at the workplace:****74-98-6 propane**

ACGIH TLV	4508 mg/m <sup>3</sup> , 2500 ppm
NIOSH REL	1800 mg/m <sup>3</sup> , 1000 ppm
OSHA PEL	1800 mg/m <sup>3</sup> , 1000 ppm

**1317-65-3 Calcium Carbonate**

ACGIH TLV	10 mg/m <sup>3</sup> (e)
NIOSH REL	10*; 5** mg/m <sup>3</sup> *Total dust **Respirable fraction
OSHA PEL	15*; 5** mg/m <sup>3</sup> *Total dust **Respirable fraction

**13463-67-7 titanium dioxide**

ACGIH TLV	10 mg/m <sup>3</sup>
NIOSH REL	Lowest feasible conc.; (LOQ 0.2 mg/m <sup>3</sup> )
OSHA PEL	15* mg/m <sup>3</sup> *Total dust

**1330-20-7 xylene (mix)**

ACGIH TLV	Short-term value: 651 mg/m <sup>3</sup> , 150 ppm Long-term value: 434 mg/m <sup>3</sup> , 100 ppm BEI
NIOSH REL	Short-term value: 655 mg/m <sup>3</sup> , 150 ppm Long-term value: 435 mg/m <sup>3</sup> , 100 ppm (o-, m-, & p-isomers)
OSHA PEL	435 mg/m <sup>3</sup> , 100 ppm

**106-97-8 butane**

ACGIH TLV	1900 mg/m <sup>3</sup> , 800 ppm
NIOSH REL	1900 mg/m <sup>3</sup> , 800 ppm

**110-54-3 n-hexane**

ACGIH TLV	176 mg/m <sup>3</sup> , 50 ppm Skin; BEI
NIOSH REL	180 mg/m <sup>3</sup> , 50 ppm
OSHA PEL	1800 mg/m <sup>3</sup> , 500 ppm

**108-88-3 toluene**

ACGIH TLV	188 mg/m <sup>3</sup> , 50 ppm Skin; BEI
NIOSH REL	Short-term value: 560 mg/m <sup>3</sup> , 150 ppm Long-term value: 375 mg/m <sup>3</sup> , 100 ppm
OSHA PEL	Short-term value: C 300; 500* ppm Long-term value: 200 ppm *10-min peak per 8-hr shift

**100-41-4 ethylbenzene**

ACGIH TLV	Short-term value: 543 mg/m <sup>3</sup> , 125 ppm Long-term value: 434 mg/m <sup>3</sup> , 100 ppm NIC-A3; BEI
NIOSH REL	Short-term value: 545 mg/m <sup>3</sup> , 125 ppm Long-term value: 435 mg/m <sup>3</sup> , 100 ppm
OSHA PEL	435 mg/m <sup>3</sup> , 100 ppm

**Additional information:** The lists that were valid during the creation were used as basis.

**Personal protective equipment:****General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.  
Wash hands before breaks and at the end of work.

**Breathing equipment:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

**Protection of hands:**

Protective gloves

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**Eye protection:**

Tightly sealed goggles

## 9 Physical and chemical properties

<b>Form:</b>	Aerosol
<b>Color:</b>	According to product specification
<b>Odor:</b>	Characteristic
<b>Change in condition</b>	
<b>Melting point/Melting range:</b>	Undetermined.
<b>Boiling point/Boiling range:</b>	-44°C (-47°F)
<b>Flash point:</b>	-19°C (-2°F)
<b>Ignition temperature:</b>	240.0°C (464°F)
<b>Auto igniting:</b>	Product is not selfigniting.
<b>Danger of explosion:</b>	Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.
<b>Explosion limits:</b>	
<b>Lower:</b>	1.7 Vol %
<b>Upper:</b>	10.9 Vol %
<b>Vapor pressure at 20°C (68°F):</b>	8300.0 hPa
<b>Density:</b>	Not determined.
<b>Solubility in / Miscibility with</b>	
<b>Water:</b>	Not miscible or difficult to mix.
<b>Solvent content:</b>	
<b>Organic solvents:</b>	48.6 %
<b>Water:</b>	20.4 %
<b>Solids content:</b>	30.5 %

## 10 Stability and reactivity

**Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

**Dangerous reactions** No dangerous reactions known.**Dangerous products of decomposition:** No dangerous decomposition products known.

## 11 Toxicological information

**Acute toxicity:****Primary irritant effect:****on the skin:** No irritant effect.**on the eye:** No irritating effect.**Sensitization:** No sensitizing effects known.**Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

Harmful.

## 12 Ecological information

**General notes:**

Water hazard class 2 (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

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**13 Disposal considerations**

**DISPOSAL METHOD:** Dispose of in accordance with local, state, and federal regulations. Do not puncture, incinerate, or compact. Empty containers must be handled with care due to product residue. Do not heat or cut empty containers with electric or gas torches.

**Product:****Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

**Uncleaned packagings:**

**Recommendation:** Disposal must be made according to official regulations.

**14 Transport information****DOT regulations:****Hazard class:**

Consumer Commodity

ORM-D

**Identification number:**

N/A

**Packing group:**

-

**Proper shipping name (technical name):** Consumer Commodity

**Land transport ADR/RID (cross-border):****ADR/RID class:**

2 Gases

**Item:**

5 F

**Danger code (Kemler):**

-

**UN-Number:**

1950

**Description of goods:**

1950 Aerosols

**Maritime transport IMDG:****IMDG Class:**

2

**Page:**

2102

**UN Number:**

1950

**Packaging group:**

II

**EMS Number:**

2-13

**MFAG:**

620

**Marine pollutant:**

No

**Propper shipping name:**

Aerosol Product (in limited quantities)

**Air transport ICAO-TI and IATA-DGR:****ICAO/IATA Class:**

2.1

**UN/ID Number:**

1950

**Packaging group:**

-

**Propper shipping name:**

Aerosols, Flammable

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**15 Regulations****Sara****Section 355 (extremely hazardous substances):**

None of the ingredient is listed.

**Section 313 (Specific toxic chemical listings):**

1330-20-7	xylene (mix)
110-54-3	n-hexane
108-88-3	toluene
100-41-4	ethylbenzene

**TSCA (Toxic Substances Control Act):**

7732-18-5	Water
74-98-6	propane
13463-67-7	titanium dioxide
1330-20-7	xylene (mix)
106-97-8	butane
110-54-3	n-hexane
108-88-3	toluene
64742-89-8	Solvent naphtha (petroleum), light aliph.
100-41-4	ethylbenzene
64742-95-6	Solvent naphtha (petroleum), light arom.
67-64-1	acetone
64742-47-8	Distillates (petroleum), hydrotreated light

**Proposition 65****Chemicals known to cause cancer:**

None of the ingredients is listed.

**Chemicals known to cause reproductive toxicity:**

108-88-3 | toluene

**Product related hazard informations:**

The product has been classified and marked in accordance with directives on hazardous materials.

**Hazard symbols:**Harmful  
Extremely flammable**Hazard-determining components of labelling:**

n-hexane

**Risk phrases:**Possible risk of impaired fertility  
Extremely flammable.  
Harmful by inhalation.  
Harmful: danger of serious damage to health by prolonged exposure through inhalation.  
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment**Safety phrases:**Keep out of the reach of children.  
Do not breathe gas/fumes/vapour/spray.  
Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point  
Wear suitable protective clothing and gloves.  
If swallowed, seek medical advice immediately and show this container or label.  
Use only in well-ventilated areas.**Special labeling of certain preparations:**Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.  
Contains 43.9 mass percent inflammable materials.  
Keep out of the reach of children.(Contd. on page 7)  
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**National regulations:****Technical instructions (air):**

<b>Class</b>	<b>Share in %</b>
Water	20.4
II	16.5
III	27.0
NK	5.1

**Water hazard class:** Water hazard class 2 (Self-assessment): hazardous for water.**16 Other information**

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

**Contact:** Craig Swafford

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