Printing date 12/11/2015 Revised On 12/11/2015

1 Identification of the substance and manufacturer

Trade name: 231 PURPLE ATHLETIC FIELD MARKER

Product code: MO00200231

Product category
Manufacturer/Supplier: PC9a Paints and coatings. MISSOURI TURF PAINT

1201 E. 63RD STREET KANSAS CITY MO 64110

CHEMTEL 1-800-255-3924, or 813-248-0585. Emergency telephone number:



2 Hazard(s) identification

Classification of the substance or mixture

Flam. Aerosol 1 H222 Extremely flammable aerosol.

Press. Gas H280 Contains gas under pressure; may explode if heated.

Skin Irrit. 2 H315 Causes skin irritation

GHS Hazard pictograms



GHS02 GHS04 GHS07

Signal word Danger

Hazard statements Extremely flammable aerosol.

Contains gas under pressure; may explode if heated.

Causes skin irritation.

Precautionary statements

Causes skin irritation.

Keep away from heat/sparks/open flames/hot surfaces. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use.

Wash hands thoroughly after handling.

Wash hands thoroughly after handling.
Wear protective gloves.
If skin irritation occurs: Get medical advice/attention.
IF ON SKIN: Wash with plenty of water.
Specific treatment (see on this label).
Take off contaminated clothing and wash it before reuse.
Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
Protect from sunlight. Store in a well-ventilated place.

3 Composition/information on ingredients

Chemical characterization: Mixtures

Chemical Description: This product is a mixture of the substances listed below with nonhazardous additions.

Dangerous components:		
	Calcium Carbonate	18.29%
	propane	12.6%
142-82-5		11.62%
	VM&P Naphtha	9.0%
106-97-8		7.4%
64742-47-8	Mineral Spirits	4.93%

4 First-aid measures

After inhalation:

Supply fresh air; consult doctor in case of complaints. Remove contaminated clothing. Wash exposed area with soap and water. Rinse opened eye for several minutes under running water. Then consult a doctor. After skin contact: After eye contact: Rinse mouth with water. Do not induce vomiting.

After swallowing: Most important symptoms and

effects:

Indication of any immediate medical attention needed:

Dizziness

No further relevant information available.

5 Fire-fighting measures

Extinguishing agents: CO2, extinguishing powder or water spray. Fight larger fires with water spray.

Special hazards: Can form explosive gas-air mixtures.

Protective equipment for firefighters: A respiratory protective device may be necessary.

6 Accidental release measures

Personal precautions, protective equipment and emergency

procedures:

Methods and material for containment and cleaning up: Use respiratory protective device against the effects of fumes/dust/aerosol.

Absorb liquid components with liquid-binding material.

7 Handling and storage

Precautions for safe handling Use only in well ventilated areas.

(Contd. on page 2)

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Storage requirements:

(Contd. of page 1) Keep away from sources of heat and direct sunlight. Do not warehouse in subfreezing conditions. Store locked up.

8 Exposure controls/personal protection

Components with limit values that require monitoring at the workplace:

74-98-6 propane

PEL (USA) Long-term value: 1800 mg/m³, 1000 ppm REL (USA) Long-term value: 1800 mg/m³, 1000 ppm TLV (USA) refer to Appendix F inTLVs and BEIs book

142-82-5 heptane

PEL (USA) Long-term value: 2000 mg/m³, 500 ppm REL (USA) Long-term value: 350 mg/m³, 85 ppm Ceiling limit value: 1800 ☐ mg/m³, 440 ☐ ppm

15-min

TLV (USA) Short-term value: 2050 mg/m³, 500 ppm Long-term value: 1640 mg/m³, 400 ppm

106-97-8 n-butane

REL (USA) Long-term value: 1900 mg/m³, 800 ppm TLV (USA) Short-term value: 2370 mg/m³, 1000 ppm

Hygienic protection:

Wash hands after use

Do not eat or drink while working.

Breathing equipment: A respirator is generally not necessary when using this product outdoors or in large open areas.

In cases where short and/or long term overexposure exists, a charcoal filter respirator should be worn. If you suspect overexposure conditions exist, please consult an authority on chemical

hygeine.

Hand protection: Protective gloves. The glove material must be impermeable and resistant to the substance.

Eye protection: Tightly sealed goggles

9 Physical and chemical properties

Appearance: Aerosol. Odor threshold: Not determined. pH-value: Not determined. Melting point/Melting range Undetermined.

Boiling point: -44 °C (-47 °F) Flash point: -19 °C (-2 °F)

Flammability (solid, gas): Extremely flammable. Decomposition temperature: Not determined.

Auto igniting: Product is not self-igniting.

Danger of explosion: In use, may form flammable/explosive vapour-air mixture.

Lower Explosion Limit: **Upper Explosion Limit:** 10.9 Vol % Not determined. Vapor pressure:

Relative Density: Between 0.77 and 0.85 (Water equals 1.00)

Vapour density Not determined. **Evaporation rate** Not applicable. Partition coefficient: n-octonal/water: Not determined. Solubility: Not determined. Viscosity: Not determined VOC content: 488.1 g/l / 4.07 lb/gl

VOC content (less exempt solvents): 48.0 % 26.7 % MIR Value: 0.57 Solids content: 25.0 %

10 Stability and reactivity

Reactivity: Stable at normal temperatures.

Conditions to avoid: Do not allow can to exceed 120 degrees Fahrenheit. Do not warehouse in subfreezing

temperatures Not fully evaluated.

Chemical stability:

Possibility of hazardous reactions: Incompatible materials: No dangerous reactions known. No further relevant information available. Hazardous decomposition: No dangerous decomposition products known.

11 Toxicological information

LD/LC50 values that are relevant for classification:

106-97-8 n-butane

Inhalative LC50/4 h 658 mg/l (rat)

Information on toxicological effects: No data available. Skin effects: No irritant effect. Eye effects: No irritating effect.

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Sensitization: No sensitizing effects known. (Contd. of page 2)

Carcinogenic categories

IARC (International Agency for Research on Cancer)

None of the ingredients is listed

NTP (National Toxicology Program)

None of the ingredients is listed.

12 Ecological information

Aquatic toxicity: Persistence and degradability:

Bioaccumulative potential:

Mobility in soil: Ecotoxical effects:

Remark: Other adverse effects:

Hazardous for water, do not empty into drains.

The product is degradable after prolonged exposure to natural weathering processes.

No further relevant information available. No further relevant information available.

Toxic for fish

No further relevant information available

13 Disposal considerations

Dispose of in accordance with local, state, and federal regulations. Do not puncture, incinerate, or compact. Partially empty cans must be disposed of responsibly. Do not heat or cut empty containers with electric or gas torches.

Recommendation: Completely empty cans should be recycled.

14 Transport information

UN-Number UN1950 N/A

DOT DOT Consumer Commodity ORM-D Aerosols, flammable

1950 Aerosols, ENVIRONMENTALLY HAZARDOUS

Transport hazard class(es):

Class Marine pollutant:

Yes

Symbol (fish and tree) Symbol (fish and tree) Special marking (ADR): Special precautions for user: EMS Number: Warning: Gases F-D,S-U

On passenger aircraft/rail: 75 kg On cargo aircraft only: 150 kg Quantity limitations

ADR

Excepted quantities (EQ)

Not permitted as Excepted Quantity

IMDG

Limited quantities (LQ) Excepted quantities (EQ)

Code: E0

Not permitted as Excepted Quantity

Packaging Group: UN "Model Regulation":

UN1950, Aerosols, ENVIRONMENTALLY HAZARDOUS, 2.1

15 Regulatory information

SARA Section 355 (extremely hazardous substances):

None of the ingredients in this product are listed

SARA Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

CPSC: This product complies with 16 CFR 1303 and does not contain more than 90 ppm of lead.

California Proposition 65 chemicals known to cause cancer:

13463-67-7 titanium dioxide 100-41-4 ethyl benzene

CANADIAN ENVIRONMENTAL

PROTECTION ACT: All hazardous ingredients for this product appear on the Canadian Domestice Substance List.

EPA:

142-82-5 heptane

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16 Other information

Contact: Regulatory Affairs Date of preparation / last revision 12/11/2015 / -