

SP Marking Paint Fluorescent Green

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Product name : SP Marking Paint Fluorescent Green
Product code : M77614GRN

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet

JR Simplot Company
P.O. Box 70013
Boise, ID 83707
T 1-208-336-2110

1.4. Emergency telephone number

Emergency number : CHEMTREC 1-800-424-9300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Flam. Aerosol 1 H222
Compressed gas H280
Eye Irrit. 2A H319
Muta. 1B H340
Carc. 2 H351
STOT RE 2 H373

Full text of H-phrases: see section 16

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) :

Danger

Hazard statements (GHS-US) :

H222 - Extremely flammable aerosol
H280 - Contains gas under pressure; may explode if heated
H319 - Causes serious eye irritation
H340 - May cause genetic defects
H351 - Suspected of causing cancer
H373 - May cause damage to organs through prolonged or repeated exposure

Precautionary statements (GHS-US) :

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.
P211 - Do not spray on an open flame or other ignition source
P251 - Pressurized container: Do not pierce or burn, even after use
P260 - Do not breathe dust/fume/gas/mist/vapours/spray
P264 - Wash ... thoroughly after handling
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P308+P313 - If exposed or concerned: Get medical attention
P314 - Get medical advice/attention if you feel unwell
P337+P313 - If eye irritation persists: Get medical attention
P405 - Store locked up
P410+P403 - Protect from sunlight. Store in a well-ventilated place
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F
P501 - Dispose of contents/container to ...in accordance with local/regional/national regulations

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2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

| Name | Product identifier | % | GHS-US classification |
|-----------------------------------|---------------------|---|---|
| Proprietary | | | Not classified |
| VM and P NAPHTHA W66 | (CAS No) 64742-89-8 | | Flam. Liq. 2, H225 Muta. 1B, H340 Carc. 1B, H350 Asp. Tox. 1, H304 |
| propane | (CAS No) 74-98-6 | | Flam. Gas 1, H220 |
| chalk | (CAS No) 1317-65-3 | | Not classified |
| distillates, hydrotreated light | (CAS No) 64742-47-8 | | Asp. Tox. 1, H304 |
| butane, liquefied, under pressure | (CAS No) 106-97-8 | | Flam. Gas 1, H220 |

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). Suspected of causing cancer.
- First-aid measures after inhalation : Cough. Allow victim to breathe fresh air. Allow the victim to rest.
- First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Direct contact with the eyes is likely to be irritating. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries : May cause genetic defects. Causes damage to organs.
- Symptoms/injuries after inhalation : Shortness of breath.
- Symptoms/injuries after eye contact : Causes serious eye irritation.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Extremely flammable aerosol.
- Explosion hazard : Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment. DO NOT fight fire when fire reaches explosives. Evacuate area.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : No open flames. No smoking. Isolate from fire, if possible, without unnecessary risk. Remove ignition sources. Use special care to avoid static electric charges.

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Hazardous waste due to potential risk of explosion. Pressurized container: Do not pierce or burn, even after use.

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Do not spray on an open flame or other ignition source. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Eliminate all ignition sources if safe to do so. Avoid breathing dust/fume/gas/mist/vapours/spray.

Hygiene measures : Wash ... thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Proper grounding procedures to avoid static electricity should be followed.

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use. Do not expose to temperatures exceeding 50 °C/ 122 °F. Keep in fireproof place.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight. Heat sources.

Storage area : Store in a well-ventilated place.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| SP Marking Paint Fluorescent Green | |
|------------------------------------|----------------|
| ACGIH | Not applicable |
| OSHA | Not applicable |
| VM and P NAPHTHA W66 (64742-89-8) | |
| ACGIH | Not applicable |
| OSHA | Not applicable |
| propane (74-98-6) | |
| ACGIH | Not applicable |
| OSHA | Not applicable |
| chalk (1317-65-3) | |
| ACGIH | Not applicable |
| OSHA | Not applicable |

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| butane, liquefied, under pressure (106-97-8) | | |
|--|------------------|----------|
| ACGIH | ACGIH TWA (ppm) | 1000 ppm |
| ACGIH | ACGIH STEL (ppm) | 1000 ppm |
| OSHA | Not applicable | |

| distillates, hydrotreated light (64742-47-8) | | |
|--|----------------|--|
| ACGIH | Not applicable | |
| OSHA | Not applicable | |

| Proprietary | | |
|-------------|----------------|--|
| ACGIH | Not applicable | |
| OSHA | Not applicable | |

8.2. Exposure controls

| | |
|-------------------------------|--|
| Personal protective equipment | : Avoid all unnecessary exposure. |
| Hand protection | : Wear protective gloves. |
| Eye protection | : Chemical goggles or safety glasses. |
| Respiratory protection | : Wear appropriate mask. |
| Other information | : Do not eat, drink or smoke during use. |

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|--|---|
| Physical state | : Gas |
| Appearance | : Aerosol. |
| Colour | : Green |
| Odour | : aromatic |
| Odour threshold | : No data available |
| pH | : No data available |
| Melting point | : No data available |
| Freezing point | : No data available |
| Boiling point | : -44 °C |
| Flash point | : -19 °C |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Flammability (solid, gas) | : No data available |
| Explosive limits | : No data available |
| Explosive properties | : No data available |
| Oxidising properties | : No data available |
| Vapour pressure | : No data available |
| Relative density | : 0.77 - 0.85 (Water equals 1.00) |
| Relative vapour density at 20 °C | : No data available |
| Density | : 0.83 g/cm ³ |
| Solubility | : Water: Solubility in water of component(s) of the mixture : • VM and P NAPHTHA W66: insoluble • propane: 0.0061 g/100ml (25 °C) • chalk: < 0.1 g/100ml • butane, liquefied, under pressure: 0.0061 g/100ml (25 °C) |
| Log Pow | : No data available |
| Log Kow | : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Viscosity | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |

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9.2. Other information

VOC content : 518.7 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

No additional information available

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Heat. Sparks. Open flame. Overheating.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

| propane (74-98-6) | |
|---|------------------------------------|
| LC50 inhalation rat (mg/l) | 513 mg/l/4h (Rat; Literature) |
| LC50 inhalation rat (ppm) | 280000 ppm/4h (Rat; Literature) |
| ATE US (gases) | 280000.000 ppmv/4h |
| ATE US (vapours) | 513.000 mg/l/4h |
| ATE US (dust,mist) | 513.000 mg/l/4h |
| chalk (1317-65-3) | |
| LD50 oral rat | 6450 mg/kg (Rat; Literature study) |
| ATE US (oral) | 6450.000 mg/kg bodyweight |
| butane, liquefied, under pressure (106-97-8) | |
| LC50 inhalation rat (mg/l) | 658 mg/l/4h (Rat; Literature) |
| LC50 inhalation rat (ppm) | 276000 ppm/4h (Rat; Literature) |
| ATE US (gases) | 276000.000 ppmv/4h |
| ATE US (vapours) | 658.000 mg/l/4h |
| ATE US (dust,mist) | 658.000 mg/l/4h |

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Causes serious eye irritation.
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : May cause genetic defects.
Carcinogenicity : Suspected of causing cancer.

Reproductive toxicity : Not classified
Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard : Not classified

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| | |
|---|---|
| Potential adverse human health effects and symptoms | : Based on available data, the classification criteria are not met. |
| Symptoms/injuries after inhalation | : Shortness of breath. |
| Symptoms/injuries after eye contact | : Causes serious eye irritation. |

SECTION 12: Ecological information

12.1. Toxicity

| propane (74-98-6) | |
|--------------------------------|---|
| LC50 fish 1 | 13.0 mg/l (96 h; Pisces) |
| EC50 Daphnia 1 | 10 - 100 mg/l (48 h; Invertebrata) |
| EC50 other aquatic organisms 1 | 10 - 100 mg/l (Activated sludge; Estimated value) |
| LC50 fish 2 | > 1000 mg/l (96 h; Pisces) |
| EC50 Daphnia 2 | 7 mg/l (Daphnia magna) |
| TLM fish 1 | 17.8 - 19.7,96 h; Pimephales promelas |
| Threshold limit algae 1 | 1.45 - 4.53,72 h; Algae |
| Threshold limit algae 2 | 8 mg/l (72 h; Algae) |

| butane, liquefied, under pressure (106-97-8) | |
|---|---|
| LC50 fish 1 | > 1000 mg/l (96 h; Pimephales promelas) |
| LC50 fish 2 | 6.0 mg/l (96 h; Pisces) |
| TLM fish 1 | 1000 mg/l (96 h; Pisces) |
| Threshold limit other aquatic organisms 1 | 0.6 - 0.9,504 h; Daphnia magna |
| Threshold limit algae 1 | 0.88 - 1.76,Algae |

12.2. Persistence and degradability

| SP Marking Paint Fluorescent Green | |
|---|--|
| Persistence and degradability | Not established. |
| VM and P NAPHTHA W66 (64742-89-8) | |
| Persistence and degradability | Not established. |
| propane (74-98-6) | |
| Persistence and degradability | Readily biodegradable in water. Not applicable (gas). Photodegradation in the air. |
| chalk (1317-65-3) | |
| Persistence and degradability | Biodegradability: not applicable. |
| Biochemical oxygen demand (BOD) | Not applicable |
| Chemical oxygen demand (COD) | Not applicable |
| ThOD | Not applicable |
| BOD (% of ThOD) | Not applicable |
| butane, liquefied, under pressure (106-97-8) | |
| Persistence and degradability | Readily biodegradable in water. |
| distillates, hydrotreated light (64742-47-8) | |
| Persistence and degradability | Not established. |
| Proprietary | |
| Persistence and degradability | Not established. |

12.3. Bioaccumulative potential

| SP Marking Paint Fluorescent Green | |
|---|--|
| Bioaccumulative potential | Not established. |
| VM and P NAPHTHA W66 (64742-89-8) | |
| Bioaccumulative potential | Not established. |
| propane (74-98-6) | |
| BCF fish 1 | 9 - 25 (Pisces) |
| Log Pow | 2.28 (Calculated) |
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |

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| chalk (1317-65-3) | |
|---|--|
| Bioaccumulative potential | No bioaccumulation data available. |
| butane, liquefied, under pressure (106-97-8) | |
| Log Pow | 2.89 (Experimental value) |
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |
| distillates, hydrotreated light (64742-47-8) | |
| Bioaccumulative potential | Not established. |
| Proprietary | |
| Bioaccumulative potential | Not established. |

12.4. Mobility in soil

| propane (74-98-6) | |
|---|--------------------|
| Surface tension | 0.016 N/m (-47 °C) |
| butane, liquefied, under pressure (106-97-8) | |
| Surface tension | < 0.1 N/m (0 °C) |

12.5. Other adverse effects

Effect on the global warming : No known ecological damage caused by this product.

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Container under pressure. Do not drill or burn even after use. Dispose of contents/container to ...

Additional information : Flammable vapours may accumulate in the container.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Transport document description : UN1950 Aerosols (flammable, (each not exceeding 1 L capacity)), 2.1

UN-No.(DOT) : UN1950

Proper Shipping Name (DOT) : Aerosols
flammable, (each not exceeding 1 L capacity)

Transport hazard class(es) (DOT) : 2.1 - Class 2.1 - Flammable gas 49 CFR 173.115

Hazard labels (DOT) : 2.1 - Flammable gas



DOT Packaging Non Bulk (49 CFR 173.xxx) : None

DOT Packaging Bulk (49 CFR 173.xxx) : None

DOT Special Provisions (49 CFR 172.102) : N82 - See 173.306 of this subchapter for classification criteria for flammable aerosols.

DOT Packaging Exceptions (49 CFR 173.xxx) : 306

DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 75 kg

DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 150 kg

DOT Vessel Stowage Location : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.

DOT Vessel Stowage Other : 25 - Shade from radiant heat, 87 - Stow "separated from" Class 1 (explosives) except Division 14, 126 - Segregation same as for Class 9, miscellaneous hazardous materials

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Additional information

Other information : No supplementary information available.

ADR

Excepted quantities (ADR) : E0

Transport by sea

UN-No. (IMDG) : 1950
Proper Shipping Name (IMDG) : AEROSOLS
Class (IMDG) : 2 - Gases
Limited quantities (IMDG) : 1L

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory except for:

| Proprietary | CAS No | |
|-------------|--------|--|
| | | |

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

propane (74-98-6)

Not listed on the United States SARA Section 313

butane, liquefied, under pressure (106-97-8)

Not listed on the United States SARA Section 313

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

No additional information available

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Not classified

National regulations

No additional information available

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm

propane (74-98-6)

U.S. - New Jersey - Right to Know Hazardous Substance List

chalk (1317-65-3)

U.S. - New Jersey - Right to Know Hazardous Substance List

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butane, liquefied, under pressure (106-97-8)

U.S. - New Jersey - Right to Know Hazardous Substance List

SECTION 16: Other information

Other information : None.

Full text of H-phrases:

| | |
|-----------------|---|
| Asp. Tox. 1 | Aspiration hazard, Category 1 |
| Carc. 1B | Carcinogenicity, Category 1B |
| Carc. 2 | Carcinogenicity, Category 2 |
| Compressed gas | Gases under pressure : Compressed gas |
| Eye Irrit. 2A | Serious eye damage/eye irritation, Category 2A |
| Flam. Aerosol 1 | Flammable aerosols, Category 1 |
| Flam. Gas 1 | Flammable gases, Category 1 |
| Flam. Liq. 2 | Flammable liquids, Category 2 |
| Muta. 1B | Germ cell mutagenicity, Category 1B |
| STOT RE 2 | Specific target organ toxicity — Repeated exposure, Category 2 |
| H220 | Extremely flammable gas |
| H222 | Extremely flammable aerosol |
| H225 | Highly flammable liquid and vapour |
| H280 | Contains gas under pressure; may explode if heated |
| H304 | May be fatal if swallowed and enters airways |
| H319 | Causes serious eye irritation |
| H340 | May cause genetic defects |
| H350 | May cause cancer |
| H351 | Suspected of causing cancer |
| H373 | May cause damage to organs through prolonged or repeated exposure |

SDS US (GHS HazCom 2012)

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