

# Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and  
GHS

Printing date: July 30, 2014

Revision: July 30, 2014

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

- **1.1 Product identifier**
- **Trade name:** Evi-Paq Spray Chalk, Yellow
- **Article number:** CKS-YL (1006539)
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
Marking Agent
- **1.3 Details of the supplier of the Safety Data Sheet**
- **Manufacturer/Supplier:**  
Safariland, LLC  
13386 International Parkway  
Jacksonville, FL 32218  
Customer Care (800) 347-1200
- **1.4 Emergency telephone number:**  
ChemTel Inc.  
(800)255-3924, +1 (813)248-0585



## SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



flame

Flam. Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



F+; Extremely flammable

R12: Extremely flammable.

- **Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

- **Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

The classification is in accordance with the latest editions of international substances lists, and is supplemented by information from technical literature and by information provided by the company.

- **2.2 Label elements**

- **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

- **Hazard pictograms**



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- **Signal word** Danger
- **Hazard statements**  
H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.
- **Precautionary statements**  
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P251 Pressurized container: Do not pierce or burn, even after use.  
P211 Do not spray on an open flame or other ignition source.  
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
- **Additional information:**  
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.  
Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking.  
Buildup of explosive mixtures possible without sufficient ventilation.
- **Hazard description:**
- **WHMIS-symbols:**  
A - Compressed gas  
B5 - Flammable aerosol



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



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



- **HMIS Long Term Health Hazard Substances**

All ingredients are listed.

- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

## SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.

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· **Dangerous components:**

CAS: 64742-48-9 EINECS: 265-150-3 Index number: 649-327-00-6	Naphtha (petroleum), hydrotreated heavy  Xn R65  Muta. 1B, H340; Carc. 1B, H350; Asp. Tox. 1, H304	10-25%
CAS: 75-37-6 EINECS: 200-866-1	1,1-difluoroethane  Press. Gas, H280	10-25%

· **Dangerous Components (Alternative Classifications):**

CAS: 50-00-0 EINECS: 200-001-8 Index number: 605-001-00-5	formaldehyde  T R23/24/25;  C R34;  Xn R40;  Xi R43 Carc. Cat. 3  Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331  Carc. 2, H351  Skin Corr. 1B, H314  Skin Sens. 1, H317	≤ 2,5%
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· **Additional information:** For the wording of the listed risk phrases refer to section 16.

## SECTION 4: First aid measures

· **4.1 Description of first aid measures**

- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**  
Immediately wash with water and soap and rinse thoroughly.  
If skin irritation is experienced, consult a doctor.
- **After eye contact:**  
Remove contact lenses if worn.  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**  
Unlikely route of exposure.  
Do not induce vomiting; call for medical help immediately.

· **4.2 Most important symptoms and effects, both acute and delayed**

Allergic reactions  
Breathing difficulty  
Dizziness  
Coughing

· **Hazards**

Danger of impaired breathing.  
May be harmful if inhaled.

· **4.3 Indication of any immediate medical attention and special treatment needed**

Treat skin and mucous membrane with antihistamine and corticoid preparations.

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## SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** None.
- **5.2 Special hazards arising from the substance or mixture**  
Formation of toxic gases is possible during heating or in case of fire.  
Danger of receptacles bursting because of high vapour pressure when heated.
- **5.3 Advice for firefighters**
- **Protective equipment:**  
Wear self-contained respiratory protective device.  
Wear fully protective suit.
- **Additional information**  
Eliminate all ignition sources if safe to do so.  
Leaking gas fire: Do not extinguish, unless leak can be stopped safely.  
Cool endangered receptacles with water spray.

## SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.  
For large spills, use respiratory protective device against the effects of fumes/dust/aerosol.  
Ensure adequate ventilation  
Keep away from ignition sources.  
Protect from heat.
- **6.2 Environmental precautions:** No special measures required.
- **6.3 Methods and material for containment and cleaning up:**  
Allow to evaporate.  
Absorb liquid components with liquid-binding material.  
Send for recovery or disposal in suitable receptacles.  
Dispose contaminated material as waste according to item 13.
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

## SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**  
Avoid splashes or spray in enclosed areas.  
Use only in well ventilated areas.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.

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- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Provide ventilation for receptacles.  
Avoid storage near extreme heat, ignition sources or open flame.
- **Information about storage in one common storage facility:**  
Store away from foodstuffs.  
Store away from oxidizing agents.
- **Further information about storage conditions:**  
Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.
- **7.3 Specific end use(s)** No further relevant information available.

## SECTION 8: Exposure controls/personal protection

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

### · 8.1 Control parameters

- **Ingredients with limit values that require monitoring at the workplace:**

#### 50-00-0 formaldehyde

PEL (USA)	Short-term value: 2 ppm Long-term value: 0,75 ppm see 29 CFR 1910,1048(c)
REL (USA)	Long-term value: 0,016 ppm Ceiling limit: 0,1* ppm *15-min; See Pocket Guide App. A
TLV (USA)	Ceiling limit: 0,37 mg/m <sup>3</sup> , 0,3 ppm (SEN) NIC-DSEN; RSEN
EL (Canada)	Long-term value: 0,3 ppm Ceiling limit: 1 ppm ACGIH A2; IARC 1; S
EV (Canada)	Short-term value: 1,0 ppm
Ceiling limit	1,5 ppm

- **DNELs** No further relevant information available.
- **PNECs** No further relevant information available.
- **Additional information:** The lists valid during the making were used as basis.

### · 8.2 Exposure controls

- **Personal protective equipment:**

- **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.  
Keep away from foodstuffs, beverages and feed.  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.  
Do not inhale gases / fumes / aerosols.

- **Respiratory protection:**

Not required under normal conditions of use.

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For spills, respiratory protection may be advisable.

· **Protection of hands:**

Not required under normal conditions of use.

Wear protective gloves to handle contents of damaged or leaking units.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Safety glasses

· **Body protection:**

Not required under normal conditions of use.

Protection may be required for spills.

· **Limitation and supervision of exposure into the environment**

No further relevant information available.

· **Risk management measures**

See Section 7 for additional information.

No further relevant information available.

## SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form: Fluid

Colour: Yellow

· **Odour:** Characteristic

· **Odour threshold:** Not determined.

· **pH-value:** Not determined.

· **Change in condition**

**Melting point/Melting range:** Not Determined.

**Boiling point/Boiling range:** Undetermined.

· **Flash point:** 50 °C

· **Flammability (solid, gaseous):** Not applicable.

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- **Auto/Self-ignition temperature:** Not determined.
- **Decomposition temperature:** Not determined.
- **Self-igniting:** Product is not self-igniting.
- **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
- **Explosion limits:**
  - Lower:** Not determined.
  - Upper:** Not determined.
- **Vapour pressure:** Not determined.
- **Density:** Not determined.
- **Relative density** Not determined.
- **Vapour density** Not determined.
- **Evaporation rate** Not determined.
- **Solubility in / Miscibility with water:** Insoluble.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
  - Dynamic:** Not determined.
  - Kinematic:** Not determined.
- **Solvent content:**
  - Organic solvents:** 0,1 %
- **9.2 Other information** No further relevant information available.

### SECTION 10: Stability and reactivity

- **10.1 Reactivity**
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions**  
Flammable.  
Used empty containers may contain product gases which form explosive mixtures with air.  
Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomised.  
Danger of receptacles bursting because of high vapour pressure when heated.  
Toxic fumes may be released if heated above the decomposition point.
- **10.4 Conditions to avoid**  
Keep ignition sources away - Do not smoke.  
Store away from oxidizing agents.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:**  
Carbon monoxide and carbon dioxide

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Danger of toxic fluorine based pyrolysis products.

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## SECTION 11: Toxicological information

### · 11.1 Information on toxicological effects

#### · Acute toxicity:

#### · Primary irritant effect:

· **on the skin:** Slight irritant effect on skin and mucous membranes.

· **on the eye:** Slight irritant effect on eyes.

· **Sensitization:** Sensitizing effect by skin contact is possible by prolonged exposure.

#### · Additional toxicological information:

Inhalation of concentrated vapours as well as oral intake will lead to anaesthesia-like conditions and headache, dizziness, etc.

· **Acute effects (acute toxicity, irritation and corrosivity):** Vapours have narcotic effect.

· **Repeated dose toxicity:** Repeated exposures may result in skin and/or respiratory sensitivity.

#### · CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):

Contains suspect carcinogen in less than reportable quantities.

## SECTION 12: Ecological information

### · 12.1 Toxicity

· **Aquatic toxicity:** No further relevant information available.

· **12.2 Persistence and degradability** No further relevant information available.

· **12.3 Bioaccumulative potential** No further relevant information available.

· **12.4 Mobility in soil** No further relevant information available.

#### · Additional ecological information:

· **General notes:** Generally not hazardous for water

#### · 12.5 Results of PBT and vPvB assessment

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **12.6 Other adverse effects** No further relevant information available.

## SECTION 13: Disposal considerations

### · 13.1 Waste treatment methods

#### · Recommendation

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

After prior treatment product has to be disposed of in an incinerator for hazardous waste adhering to the regulations pertaining to the disposal of particularly hazardous waste.

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual materials should be treated as hazardous.

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

## SECTION 14: Transport information

- **14.1 UN-Number**
- **DOT, ADR, IMDG, IATA** UN1950
- **14.2 UN proper shipping name**
- **DOT** Aerosols, flammable
- **ADR** 1950 AEROSOLS
- **IMDG** AEROSOLS
- **IATA** AEROSOLS, flammable
- **14.3 Transport hazard class(es)**

- **DOT**



- **Class** 2.1
- **Label** 2.1

- **ADR**



- **Class** 2 5F Gases.
- **Label** 2.1

- **IMDG, IATA**



- **Class** 2.1
- **Label** 2.1
- **14.4 Packing group**
- **DOT, ADR, IMDG, IATA** Not Regulated
- **14.5 Environmental hazards:**
- **Marine pollutant:** No
- **14.6 Special precautions for user** Warning: Gases.
- **Danger code (Kemler):** -
- **EMS Number:** F-D,S-U
- **14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

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· **Transport/Additional information:**· **ADR**· **Limited quantities (LQ)**

1L

· **Excepted quantities (EQ)**

Code: E0

Not permitted as Excepted Quantity

· **Transport category**

2

· **Tunnel restriction code**

D

· **IMDG**· **Limited quantities (LQ)**

1L

· **Excepted quantities (EQ)**

Code: E0

Not permitted as Excepted Quantity

· **UN "Model Regulation":**

UN1950, AEROSOLS, 2.1

**SECTION 15: Regulatory information**· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**· **United States (USA)**· **SARA**· **Section 355 (extremely hazardous substances):**

All ingredients are listed.

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

None of the ingredients is listed.

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

All ingredients are listed.

· **Proposition 65 (California):**· **Chemicals known to cause cancer:**

Present in trace quantities.

50-00-0 formaldehyde

14464-46-1 cristobalite

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogenic Categories**· **EPA (Environmental Protection Agency)**

50-00-0 formaldehyde

B1

· **IARC (International Agency for Research on Cancer)**

50-00-0 formaldehyde

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· <b>TLV (Threshold Limit Value established by ACGIH)</b>
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50-00-0 formaldehyde	A2
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· <b>NIOSH-Ca (National Institute for Occupational Safety and Health)</b>
---

All ingredients are listed.
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· <b>Canada</b>
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· <b>Canadian Domestic Substances List (DSL)</b>
--

All ingredients are listed.
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· <b>Canadian Ingredient Disclosure list (limit 0.1%)</b>
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All ingredients are listed.
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· <b>Canadian Ingredient Disclosure list (limit 1%)</b>
---

None of the ingredients is listed.
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· <b>Other regulations, limitations and prohibitive regulations</b>
---

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.
--

· <b>Substances of very high concern (SVHC) according to REACH, Article 57</b>
--

None of the ingredients is listed.
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· <b>15.2 Chemical safety assessment:</b> A Chemical Safety Assessment has not been carried out.
--

<b>SECTION 16: Other information</b>
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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.

· <b>Relevant phrases</b>
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H280 Contains gas under pressure; may explode if heated.
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H304 May be fatal if swallowed and enters airways.
--

H340 May cause genetic defects.
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H350 May cause cancer.
------------------------

R65 Harmful: may cause lung damage if swallowed.
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· <b>Abbreviations and acronyms:</b>
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ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
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IMDG: International Maritime Code for Dangerous Goods
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DOT: US Department of Transportation
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IATA: International Air Transport Association
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GHS: Globally Harmonized System of Classification and Labelling of Chemicals
--

ACGIH: American Conference of Governmental Industrial Hygienists
--

EINECS: European Inventory of Existing Commercial Chemical Substances
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ELINCS: European List of Notified Chemical Substances
---

CAS: Chemical Abstracts Service (division of the American Chemical Society)
---

NFPA: National Fire Protection Association (USA)
--

HMIS: Hazardous Materials Identification System (USA)
---

WHMIS: Workplace Hazardous Materials Information System (Canada)
--

DNEL: Derived No-Effect Level (REACH)
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PNEC: Predicted No-Effect Concentration (REACH)
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Flam. Aerosol 1: Flammable aerosols, Hazard Category 1
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Press. Gas: Gases under pressure: Liquefied gas
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Muta. 1B: Germ cell mutagenicity, Hazard Category 1B

Carc. 1B: Carcinogenicity, Hazard Category 1B

Asp. Tox. 1: Aspiration hazard, Hazard Category 1

**Sources**

SDS Prepared by:

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