

# Safety Data Sheet

## according to HPR, Schedule 1

Printing date 11/09/2020

Reviewed on 11/09/2020

### 1 Identification

- **Product identifier:** WEM WMCRM-16A
- **Trade name:** **WELDMARK® CERAMIC SPRAY**
- **Item number(s):** WEM WMCRM-16A
- **SDS Number:** 529
- **Application of the substance / the mixture** CERAMIC ANTI-SPATTER
- **Manufacturer/Supplier:**  
WELDMARK 6331 E 30th St  
Indianapolis, IN 46219
- **Information department:**  
Tel: (317)-562-1483  
WWW.IWDC.COOP
- **Emergency telephone number:**  
ChemTrec (800) 424-9300 / 1-(703)-741-5970  
Canada only: CANUTEC (Call collect) (613) 996-6666

### 2 Hazard identification

- **Classification of the substance or mixture:**



GHS02 Flame

Flammable Aerosols - Category 1

H222-H229 Extremely flammable aerosol.  
Pressurized container: may burst if heated.



GHS04 Gas cylinder

Gases Under Pressure - Compressed Gas

H280

Contains gas under pressure; may  
explode if heated.



GHS07

Eye Irritation - Category 2A

H319

Causes serious eye irritation.

Specific Target Organ Toxicity - Single Exposure -  
Category 3

H336

May cause drowsiness or dizziness.

- **Label elements**

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Signal word:** Danger

- **Hazard-determining components of labeling:**

acetone

butanone

- **Hazard statements:**

H222-H229 Extremely flammable aerosol.

H280 Contains gas under pressure; may explode if heated.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

(Contd. on page 2)

CA

# Safety Data Sheet

## according to HPR, Schedule 1

Printing date 11/09/2020

Reviewed on 11/09/2020

**Trade name: WELDMARK® CERAMIC SPRAY**

(Contd. of page 1)

**Precautionary statements:**

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P211 Do not spray on an open flame or other ignition source.
- P251 Do not pierce or burn, even after use.
- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P264 Wash thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P312 Call a poison center/doctor if you feel unwell.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P403 Store in a well-ventilated place.
- P405 Store locked up.
- P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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

Health = 2  
Fire = 4  
Reactivity = 3

### 3 Composition/Information on ingredients

**Chemical characterization: Mixtures**

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

**Dangerous components:**

74-98-6	propane	30-60% w/w *
106-97-8	butane	30-60% w/w *
67-64-1	acetone	≥20-≤30% w/w *
78-93-3	butanone	10% w/w

\* Actual concentration ranges are withheld as a trade secret.

### 4 First-aid measures

**After inhalation:**

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.

**After skin contact:** Immediately wash with water and soap and rinse thoroughly.

**After eye contact:**

Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If eye irritation persists get medical advice/attention.

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

**Most important symptoms and effects, both acute and delayed:**

No further relevant information available.

(Contd. on page 3)

CA

# Safety Data Sheet

## according to HPR, Schedule 1

Printing date 11/09/2020

Reviewed on 11/09/2020

Trade name: **WELDMARK® CERAMIC SPRAY**

(Contd. of page 2)

- **Indication of any immediate medical attention and special treatment needed:**  
No further relevant information available.

### 5 Fire-fighting measures

- **Suitable extinguishing agents:** CO2, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture:** No further relevant information available.
- **Protective equipment:** No special measures required.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:**  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**  
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.
- **Methods and material for containment and cleaning up:**  
Ensure adequate ventilation.  
Do not flush with water or aqueous cleansing agents
- **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.

### 7 Handling and storage

- **Handling**
- **Precautions 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.  
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.
- **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.
- **Specific end use(s):** No further relevant information available.

### 8 Exposure controls/ Personal protection

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

(Contd. on page 4)

CA

# Safety Data Sheet

## according to HPR, Schedule 1

Printing date 11/09/2020

Reviewed on 11/09/2020

Trade name: **WELDMARK® CERAMIC SPRAY**

(Contd. of page 3)

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

EL (Canada)	Simple asphyxiant; EX
EV (Canada)	TWA: 1,000 ppm revoked as of 01/01/18
PEL (USA)	TWA: 1800 mg/m <sup>3</sup> , 1000 ppm
REL (USA)	TWA: 1800 mg/m <sup>3</sup> , 1000 ppm
TLV (USA)	refer to Appendix F in TLVs&BEIs book; D, EX

**106-97-8 butane**

EL (Canada)	STEL: 1000 ppm EX
EV (Canada)	TWA: 800 ppm revoked as of 01/01/18
REL (USA)	TWA: 1900 mg/m <sup>3</sup> , 800 ppm
TLV (USA)	STEL: 2370 mg/m <sup>3</sup> , 1000 ppm (EX)

**67-64-1 acetone**

EL (Canada)	STEL: 500 ppm TWA: 250 ppm
EV (Canada)	STEL: 750 ppm TWA: 500 ppm
PEL (USA)	TWA: 2400 mg/m <sup>3</sup> , 1000 ppm
REL (USA)	TWA: 590 mg/m <sup>3</sup> , 250 ppm
TLV (USA)	STEL: 1187 mg/m <sup>3</sup> , 500 ppm TWA: 594 mg/m <sup>3</sup> , 250 ppm BEI

**78-93-3 butanone**

EL (Canada)	STEL: 100 ppm TWA: 50 ppm
EV (Canada)	STEL: 885 mg/m <sup>3</sup> , 300 ppm TWA: 590 mg/m <sup>3</sup> , 200 ppm
PEL (USA)	TWA: 590 mg/m <sup>3</sup> , 200 ppm
REL (USA)	STEL: 885 mg/m <sup>3</sup> , 300 ppm TWA: 590 mg/m <sup>3</sup> , 200 ppm
TLV (USA)	STEL: 885 mg/m <sup>3</sup> , 300 ppm TWA: 590 mg/m <sup>3</sup> , 200 ppm BEI

**· Ingredients with biological limit values:****67-64-1 acetone**

BEI (USA)	50 mg/L Medium: urine Time: end of shift Parameter: Acetone (nonspecific)
-----------	--

**78-93-3 butanone**

BEI (USA)	2 mg/L Medium: urine Time: end of shift Parameter: MEK
-----------	---

(Contd. on page 5)

# Safety Data Sheet

## according to HPR, Schedule 1

Printing date 11/09/2020

Reviewed on 11/09/2020

Trade name: **WELDMARK® CERAMIC SPRAY**

(Contd. of page 4)

- **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.
  - Immediately remove all soiled and contaminated clothing.
  - Wash hands before breaks and at the end of work.
  - Avoid contact with the eyes.
  - Avoid contact with the eyes and skin.
- **Breathing equipment:** Use suitable respiratory protective device in case of insufficient ventilation.
- **Protection of hands:**
  - 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:**
  - Natural rubber, NR
  - Butyl rubber, BR
  - Nitrile
- **Eye protection:**



Tightly sealed goggles

## 9 Physical and chemical properties

· <b>Form:</b>	Suspension
· <b>Color:</b>	White
· <b>Odor:</b>	Solvent-like
· <b>Odor threshold:</b>	Not determined.
· <b>pH-value:</b>	Not determined.
· <b>Change in condition</b>	
<b>Melting point/Melting range:</b>	>95.3 °C
<b>Boiling point/Boiling range:</b>	>56 °C
· <b>Flash point:</b>	>-17 °C
· <b>Flammability (solid, gaseous):</b>	Flammable.
· <b>Ignition temperature:</b>	365 °C
· <b>Decomposition temperature:</b>	Not determined.
· <b>Auto igniting:</b>	Product is not selfigniting.
· <b>Danger of explosion:</b>	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
· <b>Explosion limits</b>	
<b>Lower:</b>	1.5 Vol %
<b>Upper:</b>	13 Vol %
· <b>Vapor pressure at 20 °C:</b>	8,300 hPa
· <b>Density at 20 °C:</b>	0.73 g/cm³
· <b>Relative density:</b>	Not determined.

(Contd. on page 6)

# Safety Data Sheet

## according to HPR, Schedule 1

Printing date 11/09/2020

Reviewed on 11/09/2020

Trade name: **WELDMARK® CERAMIC SPRAY**

(Contd. of page 5)

- |   |  |
|---|--|
| · <b>Vapor density at 20 °C:</b>                  | 2.410 g/cm <sup>3</sup>                    |
| · <b>Evaporation rate:</b>                        | Not determined.                            |
| · <b>Solubility in / Miscibility with Water:</b>  | Partly miscible.                           |
| · <b>Partition coefficient (n-octanol/water):</b> | Not determined.                            |
| · <b>Viscosity:</b>                               |  |
| Dynamic:  | Not determined.                            |
| Kinematic:  | Not determined.                            |
| · <b>Solvent content:</b>                         |  |
| VOC content:                                      | 100.00 %                                   |
|   | 1,045.7 g/l / 8.73 lb/gal                  |
| · <b>Other information</b>                        | No further relevant information available. |

## 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

## 11 Toxicological information

- **Information on toxicological effects:**
- **Acute toxicity**
- **Specific symptoms in biological assay:** No further relevant information available.
- **Primary irritant effect**
- **on the skin:** No irritant effect.
- **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**  
The product shows the following dangers according to internally approved calculation methods for preparations:  
Irritant

- **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:** No further relevant information available.
- **Persistence and degradability:** No further relevant information available.

(Contd. on page 7)

CA

# Safety Data Sheet

## according to HPR, Schedule 1

Printing date 11/09/2020

Reviewed on 11/09/2020

Trade name: **WELDMARK® CERAMIC SPRAY**



(Contd. of page 6)

- **Behavior in environmental systems**
- **Bioaccumulative potential:** No further relevant information available.
- **Mobility in soil:** No further relevant information available.
- **Additional ecological information**
- **General notes:**  
Water hazard class 1 (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Other adverse effects:** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings**
- **Recommendation:**  
Place in a sealed container and label as waste. Place in a safe area, and comply with all federal, state, provincial and local regulations for disposal.

### 14 Transport information

- |   |                     |
|---|---------------------|
| · <b>UN-Number</b>  | UN1950              |
| · <b>DOT/TDG, ADR, IMDG, IATA</b>   |                     |
| · <b>UN proper shipping name</b>  | Aerosols, flammable |
| · <b>DOT/TDG</b>  | 1950 AEROSOLS       |
| · <b>ADR</b>  | AEROSOLS            |
| · <b>IMDG</b>   | AEROSOLS, flammable |
| · <b>IATA</b>   |                     |
| · <b>Transport hazard class(es)</b>   |                     |
| · <b>DOT/TDG (Transport dangerous goods):</b>                                       |                     |
|  |                     |
| · <b>Class</b>  | 2.1                 |
| · <b>Label</b>  | 2.1                 |
| · <b>ADR</b>  |                     |
|  |                     |
| · <b>Class</b>  | 2.5F Gases          |

(Contd. on page 8)

CA

# Safety Data Sheet

## according to HPR, Schedule 1

Printing date 11/09/2020

Reviewed on 11/09/2020

Trade name: **WELDMARK® CERAMIC SPRAY**

(Contd. of page 7)

· **Label** 2.1· **IMDG, IATA**· **Class** 2.1· **Label** 2.1
 · **Packing group**  
 · **DOT/TDG, ADR, IMDG, IATA** Not regulated

 · **Environmental hazards:**  
 · **Marine pollutant:** No

 · **Special precautions for user:** Warning: Gases  
 · **Hazard identification number (Kemler code):** -  
 · **EMS Number:** F-D,S-U  
 · **Stowage Code** SW1 Protected from sources of heat.  
   SW2 Clear of living quarters.  
 · **Segregation Code** SG69 For AEROSOLS with a maximum capacity of 1 litre:  
   Segregation as for class 9. Stow "separated from" class 1 except for division 1.4.  
   For AEROSOLS with a capacity above 1 litre:  
   Segregation as for the appropriate subdivision of class 2.  
   For WASTE AEROSOLS:  
   Segregation as for the appropriate subdivision of class 2.

 · **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.

 · **Transport/Additional information:**  
 · **DOT/TDG**  
 · **Quantity limitations** On passenger aircraft/rail: 75 kg  
   On cargo aircraft only: 150 kg  
 · **Remarks:** This product may be shipped according to the Limited Quantity Exceptions provided that all Limited Quantity shipping requirements are met.

 · **ADR**  
 · **Excepted quantities (EQ)** Code: E0  
   Not permitted as Excepted Quantity  
 · **Remarks:** This product may be shipped according to the Limited Quantity Exceptions provided that all Limited Quantity shipping requirements are met.

 · **IMDG**  
 · **Limited quantities (LQ)** 1L  
 · **Excepted quantities (EQ)** Code: E0  
   Not permitted as Excepted Quantity

(Contd. on page 9)



# Safety Data Sheet

## according to HPR, Schedule 1

Printing date 11/09/2020

Reviewed on 11/09/2020

Trade name: **WELDMARK® CERAMIC SPRAY**

(Contd. of page 8)

· <b>Remarks:</b>	This product may be shipped according to the Limited Quantity Exceptions provided that all Limited Quantity shipping requirements are met.
· <b>IATA</b>	
· <b>Remarks:</b>	This product may be shipped according to the Limited Quantity Exceptions provided that all Limited Quantity shipping requirements are met.
· <b>UN "Model Regulation":</b>	UN 1950 AEROSOLS, 2.1

### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

- **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

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

71-36-3 butan-1-ol

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

All ingredients are listed or exempted

- **Proposition 65**

- **Chemicals known to cause cancer:**

None of the ingredients is listed.

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

None of the ingredients is 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.

None of the ingredients is listed.

- **Canadian substance listings**

- **Canadian Domestic Substances List (DSL/NDL):**

All ingredients are listed.

- **Canadian Ingredient Disclosure list (limit 0.1%):**

None of the ingredients is listed.

- **Canadian Ingredient Disclosure list (limit 1%):**

106-97-8 butane

67-64-1 acetone

78-93-3 butanone

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

(Contd. on page 10)

CA

# Safety Data Sheet

## according to HPR, Schedule 1

Printing date 11/09/2020

Reviewed on 11/09/2020

Trade name: **WELDMARK® CERAMIC SPRAY**

(Contd. of page 9)

· **Hazard pictograms**

GHS02 GHS04 GHS07

· **Signal word** Danger· **Hazard-determining components of labeling:**acetone  
butanone· **Hazard statements**

H222-H229 Extremely flammable aerosol.  
 H280 Contains gas under pressure; may explode if heated.  
 H319 Causes serious eye irritation.  
 H336 May cause drowsiness or dizziness.

## 16 Other information

The information contained herein is provided in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Product use and conditions of use are beyond our control. Warranty of materials is limited to test results of product performance as detailed in certificates of compliance. Interpretation of test results is the responsibility of end-user. No other warranties, expressed or implied, are made.

- **Department issuing SDS:** Product safety department
- **Contact:** Stephen Nowicki
- **Date of the latest revision of the safety data sheet** 11/09/2020 / -
- **Abbreviations and acronyms:**
  - IMDG: International Maritime Code for Dangerous Goods
  - DOT: US Department of Transportation
  - IATA: International Air Transport Association
  - EINECS: European Inventory of Existing Commercial Chemical Substances
  - ELINCS: European List of Notified Chemical Substances
  - CAS: Chemical Abstracts Service (division of the American Chemical Society)
  - NFPA: National Fire Protection Association (USA)
  - VOC: Volatile Organic Compounds (USA, EU)

CA