



## Safety data sheet according to U.S.A. Federal Hazcom 2012

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

#### 1.1. Product identifier

Product name **FORMULA MARMO**

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

Intended use **Marble Cleaner and Protector**

#### 1.3. Details of the supplier of the safety data sheet

Name **Fila Chemicals USA**  
Full address **10800 NW 21st St Ste # 170**  
District and Country **Miami, FL 33172**  
**Tel. (305) 513-0708**  
**Fax. (305) 513-0728**  
**filausa@filasolutions.com**

e-mail address of the competent person  
responsible for the Safety Data Sheet **sds@filasolutions.com**

#### 1.4. Emergency telephone number

For urgent inquiries refer to **800-424-9300 CHEMTREC**

### SECTION 2. Hazards identification.

#### 2.1. Classification of the substance or mixture.

The product is classified as hazardous pursuant to the provisions set forth in OSHA Hazard Communication Standard (HCS) (29 CFR 1910.1200). The product thus requires a safety datasheet.  
Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

#### Classification and Hazard Statement.

Flammable liquid, category 4  
Specific target organ toxicity - single exposure, category 3

Combustible liquid.  
May cause drowsiness or dizziness.

#### Hazard pictograms:



Signal words: **Warning**

#### Hazard statements:

**H227** Combustible liquid.  
**H336** May cause drowsiness or dizziness.



## Precautionary statements:

## Prevention:

**P261** Avoid breathing dust / fume / gas / mist / vapours / spray.  
**P271** Use only outdoors or in a well-ventilated area.

## Response:

**P304+P340** IF INHALED: remove person to fresh air and keep comfortable for breathing.  
**P312** Call a POISON CENTER / doctor / . . . / if you feel unwell.

## Storage:

**P403+P233** Store in a well-ventilated place. Keep container tightly closed.  
**P405** Store locked up.

## Disposal:

**P501** Dispose of contents / container in accordance with local/national regulations.

## 2.2. Other hazards.

Additional hazards. Repeated exposure may cause skin dryness or cracking

**SECTION 3. Composition/information on ingredients.****3.1. Substances.**

Information not relevant.

**3.2. Mixtures.**

Contains:

| Identification.   | Conc. %. | Classification:   | Trade Secret: |
|---|----------|---|---------------|
| <b>NAPHTA (PETROL.) HYDROTREATED HEAVY</b><br>CAS. 64742-48-9 | 20 - 30  | *Flammable liquid, category 3<br>H226, Aspiration hazard,<br>category 1 H304, Specific<br>target organ toxicity - single<br>exposure, category 3 H336 | §             |
| <b>1-METHOXY-2-PROPANOL</b><br>CAS. 107-98-2                  | 1 - 5    | Flammable liquid, category 3<br>H226, Specific target organ<br>toxicity - single exposure,<br>category 3 H336   | §             |
| <b>DIPROPYLENE GLYCOL MONOMETHYL ETHER</b><br>CAS. 34590-94-8 | 1 - 5    | Flammable liquid, category 4<br>H227  | §             |

Note: Upper limit is not included into the range.

\* The classification as a carcinogen or mutagen need not apply because the substance contains less than 0,1 % w/w benzene Note: Upper limit is not included into the range.

§ the exact percentage (concentration) of composition has been withheld as a trade secret.

The full wording of the hazard (H) phrases is given in section 16 of the sheet.

**SECTION 4. First aid measures.**



#### 4.1. Description of first aid measures.

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention immediately. Wash contaminated clothing before using it again.

INHALATION: Remove to open air. If the subject stops breathing, administer artificial respiration. Get medical advice/attention immediately.

INGESTION: Get medical advice/attention immediately. Do not induce vomiting. Do not administer anything not explicitly authorised by a doctor.

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

For symptoms and effects caused by the contained substances, see chap. 11.

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

Information not available.

### SECTION 5. Firefighting measures.

#### 5.1. Extinguishing media.

##### SUITABLE EXTINGUISHING EQUIPMENT

Extinguishing substances are: carbon dioxide, foam, chemical powder. For product loss or leakage that has not caught fire, water spray can be used to disperse flammable vapours and protect those trying to stem the leak.

##### UNSUITABLE EXTINGUISHING EQUIPMENT

Do not use jets of water. Water is not effective for putting out fires but can be used to cool containers exposed to flames to prevent explosions.

#### 5.2. Special hazards arising from the substance or mixture.

##### HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Excess pressure may form in containers exposed to fire at a risk of explosion. Do not breathe combustion products.

#### 5.3. Advice for firefighters.

##### GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

##### SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

### SECTION 6. Accidental release measures.

**6.1. Personal precautions, protective equipment and emergency procedures.**

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

**6.2. Environmental precautions.**

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

**6.3. Methods and material for containment and cleaning up.**

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Check incompatibility for container material in section 7. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

**6.4. Reference to other sections.**

Any information on personal protection and disposal is given in sections 8 and 13.

**SECTION 7. Handling and storage.****7.1. Precautions for safe handling.**

Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters. Without adequate ventilation, vapours may accumulate at ground level and, if ignited, catch fire even at a distance, with the danger of backfire. Avoid bunching of electrostatic charges. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat. Avoid leakage of the product into the environment.

**7.2. Conditions for safe storage, including any incompatibilities.**

Store only in the original container. Store in a well ventilated place, keep far away from sources of heat, naked flames and sparks and other sources of ignition. Keep containers away from any incompatible materials, see section 10 for details.

**7.3. Specific end use(s).**

Information not available.

**SECTION 8. Exposure controls/personal protection.****8.1. Control parameters.**

Regulatory References:

USA      NIOSH-REL      NIOSH publication No. 2005-149, 3th printing, 2007.



|     |              |  |
|-----|--------------|--|
| USA | OSHA-PEL     | Occupational Exposure Limits - Limits for Air Contaminants TABLE Z-1-1910.1000.                      |
| USA | CAL/OSHA-PEL | California Division of Occupational Safety and Health (Cal-OSHA) Permissible Exposure Limits (PELs). |
| EU  | OEL EU       | Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC.             |
|     | TLV-ACGIH    | ACGIH 2014   |

**1-METHOXY-2-PROPANOL**

**Threshold Limit Value.**

| Type      | Country | TWA/8h |     | STEL/15min |     |       |
|-----------|---------|--------|-----|------------|-----|-------|
|           |         | mg/m3  | ppm | mg/m3      | ppm |       |
| OEL       | EU      | 375    | 100 | 568        | 150 | SKIN. |
| TLV-ACGIH | -       | 184    | 50  | 368        | 100 |       |
| CAL/OSHA  | USA     | 360    | 100 | 540        | 150 | SKIN. |
| NIOSH     | USA     | 360    | 100 | 540        | 150 |       |

**DIPROPYLENE GLYCOL MONOMETHYL ETHER**

**Threshold Limit Value.**

TLV of solvent mixture: 184 mg/m3.

| Type      | Country | TWA/8h |     | STEL/15min |     |       |
|-----------|---------|--------|-----|------------|-----|-------|
|           |         | mg/m3  | ppm | mg/m3      | ppm |       |
| TLV-ACGIH | -       | 606    | 100 | 909        | 150 | SKIN. |
| OEL       | EU      | 308    | 50  |            |     | SKIN. |
| OSHA      | USA     | 600    | 100 |            |     | SKIN. |
| CAL/OSHA  | USA     | 600    | 100 | 900        | 150 | SKIN. |
| NIOSH     | USA     | 600    | 100 | 900        | 150 | SKIN. |

**8.2. Exposure controls.**

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must comply with current regulations.

**HAND PROTECTION**

Protect hands with category III work gloves (OSHA 29 CFR 1910.138).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

**SKIN PROTECTION**

Wear category I professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

Consider the appropriateness of providing antistatic clothing in the case of working environments in which there is a risk of explosion.

**EYE PROTECTION**

Wear airtight protective goggles (OSHA 29 CFR 1910.133).



## RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, wear a mask with a NIOSH certified filter, whose class must be chosen according to the limit of use concentration (NIOSH 42 CFR 84, OSHA 29 CFR 1910.134). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus or external air-intake breathing apparatus. For a correct choice of respiratory protection device, see standard NIOSH 42 CFR 84 and OSHA 29 CFR 1910.134.

## ENVIRONMENTAL EXPOSURE CONTROLS.

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

## SECTION 9. Physical and chemical properties.

### 9.1. Information on basic physical and chemical properties.

|  |                         |
|--|-------------------------|
| Appearance                             | Creamy fluid            |
| Colour                                 | white                   |
| Odour                                  | Honey odor              |
| Odour threshold.                       | Not available.          |
| pH.                                    | Not available.          |
| Melting point / freezing point.        | Not available.          |
| Initial boiling point.                 | Not available.          |
| Boiling range.                         | Not available.          |
| Flash point.                           | >142°F (>61°C)          |
| Evaporation rate                       | Not available.          |
| Flammability (solid, gas)              | Not available.          |
| Lower inflammability limit.            | Not available.          |
| Upper inflammability limit.            | Not available.          |
| Lower explosive limit.                 | Not available.          |
| Upper explosive limit.                 | Not available.          |
| Vapour pressure.                       | Not available.          |
| Vapour density                         | Not available.          |
| Relative density.                      | 0,940 Kg/l              |
| Solubility                             | partially soluble       |
| Partition coefficient: n-octanol/water | Not available.          |
| Auto-ignition temperature.             | Not available.          |
| Decomposition temperature.             | Not available.          |
| Viscosity                              | 40cPs (Brookfield 40°C) |
| Explosive properties                   | Not available.          |
| Oxidising properties                   | Not available.          |

### 9.2. Other information.

Solid content: 7%  
VOC (volatile carbon) : 20.9 %

## SECTION 10. Stability and reactivity.

### 10.1. Reactivity.

There are no particular risks of reaction with other substances in normal conditions of use.

**10.2. Chemical stability.**

The product is stable in normal conditions of use and storage.

**10.3. Possibility of hazardous reactions.**

The vapours may also form explosive mixtures with the air.

**10.4. Conditions to avoid.**

Avoid overheating. Avoid bunching of electrostatic charges. Avoid all sources of ignition.

**10.5. Incompatible materials.**

Information not available.

**10.6. Hazardous decomposition products.**

In the event of thermal decomposition or fire, gases and vapours that are potentially dangerous to health may be released.

**SECTION 11. Toxicological information.****11.1. Information on toxicological effects.**

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification. It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

This product contains highly volatile substances, which may cause serious depression of the central nervous system (CNS) and have negative effects, such as drowsiness, dizziness, slow reflexes, narcosis.

This product may have a degreasing action on the skin, producing dryness and chapped skin after repeated exposure.

1-METHOXY-2-PROPANOL

LD50 (Oral). 5300 mg/kg Rat

LD50 (Dermal). 13000 mg/kg Rabbit

LC50 (Inhalation). 54,6 mg/l/4h Rat

NAPHTA (PETROL.) HYDROTREATED HEAVY

LD50 (Oral). > 5000 mg/kg Rat

LD50 (Dermal). > 2000 mg/kg Rabbit

Carcinogenicity Assessment: 107-98-21-METHOXY-2-PROPANOL

**SECTION 12. Ecological information.**

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or sewers or



contaminate soil or vegetation.

#### 12.1. Toxicity.

NAPHTA (PETROL.)  
HYDROTREATED HEAVY  
LC50 - for Fish.

8,2 mg/l/96h Pimephales promelas

EC50 - for Crustacea.

4,5 mg/l/48h Daphnia magna

EC50 - for Algae / Aquatic  
Plants.

3,1 mg/l/72h Pseudokirchnerella subcapitata

#### 12.2. Persistence and degradability.

DIPROPYLENE GLYCOL  
MONOMETHYL ETHER  
Solubility in water.

mg/l 1000 - 10000

Rapidly biodegradable.

1-METHOXY-2-PROPANOL

Solubility in water.

mg/l 1000 - 10000

Rapidly biodegradable.

NAPHTA (PETROL.)  
HYDROTREATED HEAVY  
Rapidly biodegradable.

#### 12.3. Bioaccumulative potential.

DIPROPYLENE GLYCOL  
MONOMETHYL ETHER  
Partition coefficient: n-  
octanol/water.

0,0043

1-METHOXY-2-PROPANOL

Partition coefficient: n-  
octanol/water.

< 1

#### 12.4. Mobility in soil.

NAPHTA (PETROL.)  
HYDROTREATED HEAVY  
Partition coefficient:  
soil/water.

1,78

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

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.



**12.6. Other adverse effects.**

Information not available.

**SECTION 13. Disposal considerations.****13.1. Waste treatment methods.**

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Avoid littering. Do not contaminate soil, sewers and waterways.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

**SECTION 14. Transport information.**

These goods must be transported by vehicles authorized to transport hazardous materials according to the provisions set out in the current regulations of the U.S. DOT, Canadian TDG, the IMDG and IATA.

**Rail and Truck Shipments**

DOT Shipping Name: Not regulated

DOT ID Number None

DOT Hazard Class & Packing Group None

DOT Shipping Label None

TDG Shipping Name: Not regulated

TDG ID Number None

TDG DOT Hazard Class & Packing Group None

TDG Shipping Label None

**Water Shipments**

IMO Shipping Name: Not regulated

IMO ID Number None

IMO DOT Hazard Class & Packing Group None

IMO Shipping Label None

IMO EMS None

**Air Shipments**

IATA Shipping Name: Not regulated

IATA ID Number None

IATA DOT Hazard Class & Packing Group None

IATA Shipping Label None

IATA Packing Instructions

**SECTION 15. Regulatory information.****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.**

U.S. Federal Regulations.

Clean Air Act Section 112(b):



34590-94-8

DIPROPYLENE GLYCOL  
MONOMETHYL ETHER (Glycol  
ethers)

107-98-2

1-METHOXY-2-PROPANOL (Glycol  
ethers)

Clean Air Act Section 602 Class I Substances:

No component(s) listed.

Clean Air Act Section 602 Class II Substances:

No component(s) listed.

Clean Water Act –  
Priority Pollutants:

No component(s) listed.

Clean Water Act –  
Toxic Pollutants:

No component(s) listed.

DEA List I Chemicals (Precursor Chemicals):

No component(s) listed.

DEA List II Chemicals (Essential Chemicals):

No component(s) listed.

EPA List of Lists:

313 Category Code:

34590-94-8

DIPROPYLENE GLYCOL  
MONOMETHYL ETHER (Glycol  
ethers)

107-98-2

1-METHOXY-2-PROPANOL (Glycol  
ethers)

EPCRA 302 EHS TPQ:

No component(s) listed.

EPCRA 304 EHS RQ:

No component(s) listed.

CERCLA RQ:

No component(s) listed.

EPCRA 313 TRI:



FORMULA MARMO

34590-94-8

DIPROPYLENE GLYCOL  
MONOMETHYL ETHER (Glycol  
ethers)

107-98-2

1-METHOXY-2-PROPANOL (Glycol  
ethers)

RCRA Code:

No component(s) listed.

CAA 112 (r) RMP TQ:

No component(s) listed.

State Regulations.

Massachusetts:

34590-94-8

DIPROPYLENE GLYCOL  
MONOMETHYL ETHER (Glycol  
ethers)

107-98-2

1-METHOXY-2-PROPANOL (Glycol  
ethers)

Minnesota:

34590-94-8

DIPROPYLENE GLYCOL  
MONOMETHYL ETHER (Glycol  
ethers)

107-98-2

1-METHOXY-2-PROPANOL (Glycol  
ethers)

New Jersey:

34590-94-8

DIPROPYLENE GLYCOL  
MONOMETHYL ETHER (Glycol  
ethers)

107-98-2

1-METHOXY-2-PROPANOL (Glycol  
ethers)

New York:

No component(s) listed.

Pennsylvania:

34590-94-8

DIPROPYLENE GLYCOL  
MONOMETHYL ETHER (Glycol  
ethers)

107-98-2

1-METHOXY-2-PROPANOL (Glycol  
ethers)

California:

34590-94-8

DIPROPYLENE GLYCOL  
MONOMETHYL ETHER (Glycol  
ethers)

107-98-2

1-METHOXY-2-PROPANOL (Glycol  
ethers)

Proposition 65:

International Regulations.



Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None.

Substances subject to the Rotterdam Convention:

None.

Substances subject to the Stockholm Convention:

None.

Canadian WHMIS.

Information not available.

## SECTION 16. Other information.

|                                 |  |
|---------------------------------|--|
| <b>Current Issue Date</b>       | 05/18/2015                                 |
| <b>Previous Issue Date</b>      | 10/21/2014                                 |
| <b>Previous rev. number</b>     | 3  |
| <b>Changes in current issue</b> | Revision according to Federal Hazcom 2012. |

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

|                     |  |
|---------------------|--|
| <b>Flam. Liq. 3</b> | Flammable liquid, category 3                                 |
| <b>Flam. Liq. 4</b> | Flammable liquid, category 4                                 |
| <b>Asp. Tox. 1</b>  | Aspiration hazard, category 1                                |
| <b>STOT SE 3</b>    | Specific target organ toxicity - single exposure, category 3 |
| <b>H226</b>         | Flammable liquid and vapour.                                 |
| <b>H227</b>         | Combustible liquid.  |
| <b>H304</b>         | May be fatal if swallowed and enters airways.                |
| <b>H336</b>         | May cause drowsiness or dizziness.                           |

### LEGEND:

- 313 CATEGORY CODE: Emergency Planning and Community Right-to Know Act Section 313 Category Code
- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAA 112 ® RMP TQ: Risk Management Plan Threshold Quantity (Clean Air Act Section 112®)
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CERCLA RQ: Reportable Quantity (Comprehensive Environment Response, Compensation, and Liability Act)
- CLP: EC Regulation 1272/2008
- DEA: Drug Enforcement Administration
- EmS: Emergency Schedule
- EPA: US Environmental Protection Agency
- EPCRA: Emergency Planning and Community Right-to Know Act
- EPCRA 302 EHS TPQ: Extremely Hazardous Substance Threshold Planning Quantity (Section 302 Category Code)
- EPCRA 304 EHS RQ: Extremely Hazardous Substance Reportable Quantity (Section 304 Category Code)
- EPCRA 313 TRI: Toxics Release Inventory (Section 313 Category Code)
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%



- OEL: Occupational Exposure Level
- PEL: Predicted exposure level
- RCRA Code: Resource Conservation and Recovery Act Code
- REL: Recommended exposure limit
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TSCA: Toxic Substances Control Act
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- WHMIS: Workplace Hazardous Materials Information System.

**GENERAL BIBLIOGRAPHY:**

- GHS rev. 3
- The Merck Index. 10th Edition
- Handling Chemical Safety
- Niosh - Registry of Toxic Effects of Chemical Substances
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- ECHA website
- 6 NYCRR part 597
- Cal/OSHA website
- California Safe Drinking Water and Toxic Enforcement Act
- EPA website
- Hazard Communication Standard (HCS 2012)
- IARC website
- List Of Lists EPA: Consolidated List of Chemicals Subject to EPCRA, CERCLA and Section 112® of the Clean Air Act
- Massachusetts 105 CMR Department of public health 670.000: "Right to Know"
- Minnesota Chapter 5206 Department Of Labor and Industry Hazardous Substances, Employee "Right to Know".
- New Jersey Worker and Community Right to know Act N.J.S.A.
- NTP. 2011. Report on Carcinogens, 12th Edition.
- OSHA website
- Pennsylvania, Hazardous Substance List, Chapter 323

**Note for users:**

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.



FILA Chemicals USA

Revision nr 3

Dated 11/5/2015

FILA MARBLE SHINE

Printed on 11/05/2015

Page n. 1/12

## Safety data sheet according to U.S.A. Federal Hazcom 2012

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

#### 1.1. Product identifier

Product name **FILA MARBLE SHINE**

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

Intended use **Marble Polish and Restorer**

#### 1.3. Details of the supplier of the safety data sheet

Name **Fila Chemicals USA**  
Full address **10800 NW 21st St Ste # 170**  
District and Country **Miami, FL 33172**  
**Tel. (305) 513-0708**  
**Fax. (305) 513-0728**  
**filausa@filasolutions.com**

e-mail address of the competent person  
responsible for the Safety Data Sheet

**sds@filasolutions.com**

#### 1.4. Emergency telephone number

For urgent inquiries refer to **800-424-9300 CHEMTREC**

### SECTION 2. Hazards identification.

#### 2.1. Classification of the substance or mixture.

The product is classified as hazardous pursuant to the provisions set forth in OSHA Hazard Communication Standard (HCS) (29 CFR 1910.1200). The product thus requires a safety datasheet.  
Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Classification and Hazard Statement.

Skin corrosion, category 1C  
Serious eye damage, category 1

Causes severe skin burns and eye damage.  
Causes serious eye damage.

Hazard pictograms:



Signal words: **Danger**

Hazard statements:



**H314** Causes severe skin burns and eye damage.

Precautionary statements:

Prevention:

**P260** Do not breathe dust / fume / gas / mist / vapours / spray.  
**P264** Wash hands thoroughly after handling.  
**P280** Wear protective gloves / protective clothing / eye protection / face protection.

Response:

**P301+P330+P331** IF SWALLOWED: rinse mouth. Do not induce vomiting.  
**P303+P361+P353** IF ON SKIN (or hair): take off immediately all contaminated clothing. Rinse skin with water / shower.  
**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.  
**P310** Immediately call a POISON CENTER / doctor.  
**P363** Wash contaminated clothing before reuse.

Storage:

**P405** Store locked up.

Disposal:

**P501** Dispose of contents / container in accordance with local/national regulations.

2.2. Other hazards.

The product is not classified as hazardous for environment pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP).

**SECTION 3. Composition/information on ingredients.**

**3.1. Substances.**

Information not relevant.

**3.2. Mixtures.**

Contains:

| Identification.    | Conc. %. | Classification:  | Trade Secret: |
|--------------------|----------|--|---------------|
| <b>Oxalic acid</b> |          |  |               |
| CAS. 144-62-7      | 9 - 20   | Acute toxicity, category 4<br>H302, Acute toxicity, category 4<br>H312, Serious eye damage, category 1<br>H318 | §             |

Note: Upper limit is not included into the range.

§ the exact percentage (concentration) of composition has been withheld as a trade secret.

The full wording of the hazard (H) phrases is given in section 16 of the sheet.

**SECTION 4. First aid measures.**

**4.1. Description of first aid measures.**

**EYES:** Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

**SKIN:** Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

**INGESTION:** Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a



doctor.

**INHALATION:** Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

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

For symptoms and effects caused by the contained substances, see chap. 11.

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

Information not available.

## **SECTION 5. Firefighting measures.**

### **5.1. Extinguishing media.**

#### **SUITABLE EXTINGUISHING EQUIPMENT**

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

#### **UNSUITABLE EXTINGUISHING EQUIPMENT**

None in particular.

### **5.2. Special hazards arising from the substance or mixture.**

#### **HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE**

Do not breathe combustion products.

### **5.3. Advice for firefighters.**

#### **GENERAL INFORMATION**

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

#### **SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS**

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

## **SECTION 6. Accidental release measures.**

### **6.1. Personal precautions, protective equipment and emergency procedures.**

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

### **6.2. Environmental precautions.**





The product must not penetrate into the sewer system or come into contact with surface water or ground water.

**6.3. Methods and material for containment and cleaning up.**

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material. Make sure the leakage site is well aired. Check incompatibility for container material in section 7. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

**6.4. Reference to other sections.**

Any information on personal protection and disposal is given in sections 8 and 13.

**SECTION 7. Handling and storage.**

**7.1. Precautions for safe handling.**

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.

**7.2. Conditions for safe storage, including any incompatibilities.**

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Keep containers away from any incompatible materials, see section 10 for details.

**7.3. Specific end use(s).**

Information not available.

**SECTION 8. Exposure controls/personal protection.**

**8.1. Control parameters.**

Regulatory References:

|     |              |  |
|-----|--------------|--|
| USA | NIOSH-REL    | NIOSH publication No. 2005-149, 3th printing, 2007.  |
| USA | OSHA-PEL     | Occupational Exposure Limits - Limits for Air Contaminants TABLE Z-1-1910.1000.                      |
| USA | CAL/OSHA-PEL | California Division of Occupational Safety and Health (Cal-OSHA) Permissible Exposure Limits (PELs). |

**OXALIC ACID**

**Threshold Limit Value.**

| Type | Country | TWA/8h | STEL/15min |
|------|---------|--------|------------|
|      |         | mg/m3  | ppm        |
|      |         |        | mg/m3      |
|      |         |        | ppm        |



|          |     |   |   |
|----------|-----|---|---|
| OSHA     | USA | 1 |   |
| CAL/OSHA | USA | 1 | 2 |
| NIOSH    | USA | 1 | 2 |

## 8.2. Exposure controls.

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must comply with current regulations.

Provide an emergency shower with face and eye wash station.

### HAND PROTECTION

Protect hands with category III work gloves (OSHA 29 CFR 1910.138).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

### SKIN PROTECTION

Wear category II professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

Consider the appropriateness of providing antistatic clothing in the case of working environments in which there is a risk of explosion.

### EYE PROTECTION

Wear airtight protective goggles (OSHA 29 CFR 1910.133).

### RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, wear a mask with a NIOSH certified filter, whose class must be chosen according to the limit of use concentration (NIOSH 42 CFR 84, OSHA 29 CFR 1910.134). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus or external air-intake breathing apparatus. For a correct choice of respiratory protection device, see standard NIOSH 42 CFR 84 and OSHA 29 CFR 1910.134.

### ENVIRONMENTAL EXPOSURE CONTROLS.

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

## SECTION 9. Physical and chemical properties.

### 9.1. Information on basic physical and chemical properties.

|                                 |                |
|---------------------------------|----------------|
| Appearance                      | creamy fluid   |
| Colour                          | Light yellow   |
| Odour                           | characteristic |
| Odour threshold.                | Not available. |
| pH.                             | 1,0            |
| Melting point / freezing point. | Not available. |
| Initial boiling point.          | Not available. |
| Boiling range.                  | Not available. |
| Flash point.                    | >200°F (>94°C) |
| Evaporation rate                | Not available. |
| Flammability (solid, gas)       | Not available. |



|  |                  |
|--|------------------|
| Lower inflammability limit.            | Not available.   |
| Upper inflammability limit.            | Not available.   |
| Lower explosive limit.                 | Not available.   |
| Upper explosive limit.                 | Not available.   |
| Vapour pressure.                       | Not available.   |
| Vapour density                         | Not available.   |
| Relative density.                      | 1,125 Kg/l       |
| Solubility                             | soluble in water |
| Partition coefficient: n-octanol/water | Not available.   |
| Auto-ignition temperature.             | Not available.   |
| Decomposition temperature.             | Not available.   |
| Viscosity                              | Not available.   |
| Explosive properties                   | Not available.   |
| Oxidising properties                   | Not available.   |

**9.2. Other information.**

|                         |       |
|-------------------------|-------|
| Solid content:          | 10.5% |
| VOC (volatile carbon) : | 0 %   |

**SECTION 10. Stability and reactivity.****10.1. Reactivity.**

There are no particular risks of reaction with other substances in normal conditions of use.

**10.2. Chemical stability.**

The product is stable in normal conditions of use and storage.

**10.3. Possibility of hazardous reactions.**

No hazardous reactions are foreseeable in normal conditions of use and storage.

**10.4. Conditions to avoid.**

None in particular. However the usual precautions used for chemical products should be respected.

**10.5. Incompatible materials.**

Information not available.

**10.6. Hazardous decomposition products.**

Information not available.

**SECTION 11. Toxicological information.**

**11.1. Information on toxicological effects.**

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification. It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

This product is corrosive and causes abrasions of skin surface, accompanied by rubefaction, warmth and sting. In the most serious cases, small vesicles appear, which cause strong sting and pain. Upon contact with eyes, it may cause serious harm, such as cornea opacity, iris lesions, irreversible eye coloration. The vapors and/or powders are caustic for the respiratory system and may cause pulmonary edema, whose symptoms sometimes arise only after some hours.

Exposure symptoms may include: sting, cough, asthma, laryngitis, respiratory disorders, headache, nausea and sickness.

If swallowed, it may cause mouth, throat and oesophagus burns, sickness, diarrhoea, edema, larynx swelling and, consequently, asphyxia. Perforation of the gastro-intestinal tract is also possible.

This product may cause serious ocular lesions, cornea opacity, iris lesions, irreversible eye coloration.

**SECTION 12. Ecological information.**

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

**12.1. Toxicity.**

Information not available.

**12.2. Persistence and degradability.**

Information not available.

**12.3. Bioaccumulative potential.**

Information not available.

**12.4. Mobility in soil.**

Information not available.

**12.5. Results of PBT and vPvB assessment.**

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

**12.6. Other adverse effects.**

Information not available.

**SECTION 13. Disposal considerations.****13.1. Waste treatment methods.**

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be



evaluated according to applicable regulations.  
Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.  
Avoid littering. Do not contaminate soil, sewers and waterways.  
Il trasporto dei rifiuti può essere soggetto ai regolamenti di trasporto per le merci pericolose.  
CONTAMINATED PACKAGING  
Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

**SECTION 14. Transport information.**

**14.1. UN number.**

DOT, IMDG, IATA: UN: 3265

**14.2. UN proper shipping name.**

DOT: CORROSIVE  
LIQUID, ACIDIC,  
INORGANIC,N.O  
.S. (OXALIC  
ACID)  
IMDG: CORROSIVE  
LIQUID, ACIDIC,  
INORGANIC,N.O  
.S. (OXALIC  
ACID)  
IATA:

**14.3. Transport hazard class(es).**

DOT: Class: 8 Label: 8  
IMDG: Class: 8 Label: 8  
IATA: Class: 8 Label: 8



**14.4. Packing group.**

DOT, IMDG, IATA: III

**14.5. Environmental hazards.**

DOT: NO

**14.6. Special precautions for user.**

|       |                       |                         |                              |
|-------|-----------------------|-------------------------|------------------------------|
| IMDG: | EMS: -                | Limited<br>Quantity 5 L |                              |
| IATA: | Cargo:                | Maximum<br>quantity: -  | Packaging<br>instructions: - |
|       | Pass.:                | Maximum<br>quantity: -  | Packaging<br>instructions: - |
|       | Special Instructions: | -                       |                              |



**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code.**

Information not relevant.

**SECTION 15. Regulatory information.**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.**

U.S. Federal Regulations.

Clean Air Act Section 112(b):

No component(s) listed.

Clean Air Act Section 602 Class I Substances:

No component(s) listed.

Clean Air Act Section 602 Class II Substances:

No component(s) listed.

Clean Water Act –  
Priority Pollutants:

No component(s) listed.

Clean Water Act –  
Toxic Pollutants:

No component(s) listed.

DEA List I Chemicals (Precursor Chemicals):

No component(s) listed.

DEA List II Chemicals (Essential Chemicals):

No component(s) listed.

EPA List of Lists:

313 Category Code:

No component(s) listed.

EPCRA 302 EHS TPQ:

No component(s) listed.

EPCRA 304 EHS RQ:



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No component(s) listed.

CERCLA RQ:

No component(s) listed.

EPCRA 313 TRI:

No component(s) listed.

RCRA Code:

No component(s) listed.

CAA 112 (r) RMP TQ:

No component(s) listed.

State Regulations.

Massachusetts:

144-62-7

Minnesota:

144-62-7

New Jersey:

144-62-7

New York:

No component(s) listed.

Pennsylvania:

144-62-7

California:

144-62-7

Proposition 65:

International Regulations.

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None.

Substances subject to the Rotterdam Convention:

None.

Substances subject to the Stockholm Convention:

None.

Canadian WHMIS.

Information not available.

**SECTION 16. Other information.**

|                                 |  |
|---------------------------------|--|
| <b>Current Issue Date</b>       | 05-11-2015                                 |
| <b>Previous Issue Date</b>      | 11-05-2014                                 |
| <b>Previous rev. number</b>     | 2  |
| <b>Changes in current issue</b> | Revision according to Federal Hazcom 2012. |

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

|                      |  |
|----------------------|--|
| <b>Acute Tox. 4</b>  | Acute toxicity, category 4               |
| <b>Skin Corr. 1C</b> | Skin corrosion, category 1C              |
| <b>Eye Dam. 1</b>    | Serious eye damage, category 1           |
| <b>Eye Irrit. 2</b>  | Eye irritation, category 2               |
| <b>H302</b>          | Harmful if swallowed.                    |
| <b>H312</b>          | Harmful in contact with skin.            |
| <b>H314</b>          | Causes severe skin burns and eye damage. |
| <b>H318</b>          | Causes serious eye damage.               |
| <b>H319</b>          | Causes serious eye irritation.           |

## LEGEND:

- 313 CATEGORY CODE: Emergency Planning and Community Right-to Know Act Section 313 Category Code
- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAA 112 ® RMP TQ: Risk Management Plan Threshold Quantity (Clean Air Act Section 112®)
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CERCLA RQ: Reportable Quantity (Comprehensive Environment Response, Compensation, and Liability Act)
- CLP: EC Regulation 1272/2008
- DEA: Drug Enforcement Administration
- EmS: Emergency Schedule
- EPA: US Environmental Protection Agency
- EPCRA: Emergency Planning and Community Right-to Know Act
- EPCRA 302 EHS TPQ: Extremely Hazardous Substance Threshold Planning Quantity (Section 302 Category Code)
- EPCRA 304 EHS RQ: Extremely Hazardous Substance Reportable Quantity (Section 304 Category Code)
- EPCRA 313 TRI: Toxics Release Inventory (Section 313 Category Code)
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PEL: Predicted exposure level
- RCRA Code: Resource Conservation and Recovery Act Code
- REL: Recommended exposure limit
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value





- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TSCA: Toxic Substances Control Act
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- WHMIS: Workplace Hazardous Materials Information System.

**GENERAL BIBLIOGRAPHY:**

- GHS rev. 3
- The Merck Index. 10th Edition
- Handling Chemical Safety
- Niosh - Registry of Toxic Effects of Chemical Substances
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- ECHA website
- 6 NYCRR part 597
- Cal/OSHA website
- California Safe Drinking Water and Toxic Enforcement Act
- EPA website
- Hazard Communication Standard (HCS 2012)
- IARC website
- List Of Lists EPA: Consolidated List of Chemicals Subject to EPCRA, CERCLA and Section 112® of the Clean Air Act
- Massachusetts 105 CMR Department of public health 670.000: "Right to Know"
- Minnesota Chapter 5206 Department Of Labor and Industry Hazardous Substances, Employee "Right to Know".
- New Jersey Worker and Community Right to know Act N.J.S.A.
- NTP. 2011. Report on Carcinogens, 12th Edition.
- OSHA website
- Pennsylvania, Hazardous Substance List, Chapter 323

**Note for users:**

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.