

**Safety Data Sheet (SDS)**

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 07/12/2016

Reviewed on 07/11/2016

**1 Identification**· **Product Identifier**· **Trade name: Tarnish Me Not™**· **Relevant identified uses of the substance or mixture and uses advised against:** Tarnish preventer· **Product Description**

A hypoallergenic, clear formula to be used on metals, specifically jewelry, to prevent or delay the process of rapid tarnishing and/or skin irritations and allergies; formula creates a clear-barrier/coat/sealant.

· **Details of the Supplier of the Safety Data Sheet:**· **Manufacturer/Supplier:**

Supplier: Tarnish Me Not

PO Box 2306

Wayne, NJ 07470-9992

United States

+1 (973) 341-9759

www.tarnishmenot.com

Manufacturer: Custom Blending &amp; Packaging

PO Box 62

108 Coulter Rd.

Dupo, IL 62239

+1 (618) 286-1140

· **Emergency telephone number:** +1 (973) 341-9759**2 Hazard(s) Identification**· **Classification of the substance or mixture:**

GHS02 Flame

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



GHS07

Eye Irrit. 2A H319 Causes serious eye irritation.

STOT SE 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).

· **Hazard pictograms:**

GHS02



GHS07

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

Ethyl acetate

n-butyl acetate

(Contd. on page 2)

**Safety Data Sheet (SDS)**

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 07/12/2016

Reviewed on 07/11/2016

**Trade name: Tarnish Me Not™****Hazard statements:**

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

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

**Precautionary statements:**

P251 Do not pierce or burn, even after use.

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P211 Do not spray on an open flame or other ignition source.

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear eye protection / face protection.

P264 Wash thoroughly after handling.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 Call a POISON CENTER/doctor if you feel unwell.

P337+P313 If eye irritation persists: Get medical advice/attention.

P405 Store locked up.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

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

**Classification system:****NFPA ratings (scale 0 - 4)****HMS-ratings (scale 0 - 4)**

HEALTH	1	Health = 1
FIRE	4	Fire = 4
REACTIVITY	3	Reactivity = 3

**Hazard(s) not otherwise classified (HNOC):** None known**3 Composition/Information on Ingredients****Chemical characterization: Mixtures****Description:** Mixture of substances listed below with non-hazardous additions.**Dangerous Components:**

CAS: 115-10-6 RTECS: PM 4780000	Dimethyl Ether ⚠ Flam. Gas 1, H220; Press. Gas, H280	60-90%
CAS: 141-78-6 RTECS: AH 5425000	Ethyl acetate ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	15-35%
CAS: 108-65-6	2-methoxy-1-methylethyl acetate ⚠ Flam. Liq. 3, H226	2-12%
CAS: 123-86-4 RTECS: AF 7350000	n-butyl acetate ⚠ Flam. Liq. 3, H226; ⚠ STOT SE 3, H336	2-12%

(Contd. on page 3)

**Safety Data Sheet (SDS)**

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 07/12/2016

Reviewed on 07/11/2016

**Trade name: Tarnish Me Not™****· Additional information:**

The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of §1910.1200 of 29 CFR 1910.1200 Trade Secrets.

**4 First-Aid Measures****· Description of first aid measures:****· General information:**

Symptoms of poisoning may occur after exposure to dust, fumes or particulates; seek medical attention if feeling unwell.

**· After inhalation:**

Supply fresh air. If required, provide artificial respiration. Consult doctor if symptoms persist. In case of unconsciousness place patient stably in side position for transportation.

**· After skin contact:** Generally the product does not irritate the skin.**· After eye contact:**

Rinse opened eye for at least 15 minutes under running water. If symptoms persist, consult a doctor.

**· After swallowing:** If swallowed and symptoms occur, consult a doctor.**· Information for doctor:****· Most important symptoms and effects, both acute and delayed:** No further relevant information available.**· Indication of any immediate medical attention and special treatment needed:**

No further relevant information available.

**5 Fire-Fighting Measures****· Extinguishing media:****· Suitable extinguishing agents:**

CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**· Special hazards arising from the substance or mixture:**

Contents extremely flammable and under pressure. In a fire or if heated, a pressure increase will occur which may result in container bursting. Vapors heavier than air may spread along the ground and travel to an ignition source.

**· Advice for firefighters:****· Protective equipment:**

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

**6 Accidental Release Measures****· Personal precautions, protective equipment and emergency procedures:**

Wear protective equipment. Keep unprotected persons away.

**· Environmental precautions:** Do not allow to enter sewers/surface or ground water.**· Methods and material for containment and cleaning up:**

Ensure adequate ventilation.

Dispose contaminated material as waste according to section 13.

**· 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.

(Contd. on page 4)

## Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 07/12/2016

Reviewed on 07/11/2016

**Trade name: Tarnish Me Not™**

· **Information about protection against explosions and fires:**

Keep ignition sources away - Do not smoke.

Protect from heat.

Protect against electrostatic charges.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C, i.e. electric lights. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material.

· **Conditions for safe storage, including any incompatibilities:**

· **Storage**

· **Requirements to be met by storerooms and receptacles:**

Store in a cool location.

Observe official regulations on storing packagings with pressurized containers.

· **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 section 7.

· **Control parameters:**

· **Components with occupational exposure limits:**

**115-10-6 Dimethyl Ether**

WEEL Long-term value: 1000 ppm

**141-78-6 Ethyl acetate**

PEL Long-term value: 1400 mg/m<sup>3</sup>, 400 ppm

REL Long-term value: 1400 mg/m<sup>3</sup>, 400 ppm

TLV Long-term value: 1440 mg/m<sup>3</sup>, 400 ppm

**108-65-6 2-methoxy-1-methylethyl acetate**

WEEL Long-term value: 50 ppm

**123-86-4 n-butyl acetate**

PEL Long-term value: 710 mg/m<sup>3</sup>, 150 ppm

REL Short-term value: 950 mg/m<sup>3</sup>, 200 ppm

Long-term value: 710 mg/m<sup>3</sup>, 150 ppm

TLV Short-term value: 712 mg/m<sup>3</sup>, 150 ppm

Long-term value: 238 mg/m<sup>3</sup>, 50 ppm

· **Additional information:** The lists that were valid during the creation of this SDS were used as basis.

· **Exposure controls:**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing and wash before reuse.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

· **Breathing equipment:** Not required.

(Contd. on page 5)

**Safety Data Sheet (SDS)**

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 07/12/2016

Reviewed on 07/11/2016

**Trade name: Tarnish Me Not™**

- **Protection of hands:** Not required.
- **Material of gloves:** Not required.
- **Penetration time of glove material:** Not applicable.
- **Eye protection:**



Safety glasses recommended.

**9 Physical and Chemical Properties**· **Information on basic physical and chemical properties**· **General Information**· **Appearance:****Form:** Aerosol**Color:** Colorless· **Odor:** Characteristic· **Odor threshold:** Not determined.· **pH-value:** Not applicable.· **Change in condition****Melting point/Melting range:** Not determined.**Boiling point/Boiling range:** -24 °C (-11 °F)· **Flash point:** -42 °C (-44 °F)· **Flammability (solid, gaseous):** Not applicable.· **Ignition temperature:** 235 °C (455 °F)· **Decomposition temperature:** Not determined.· **Auto igniting:** Product is not self-igniting.· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.· **Explosion limits:****Lower:** 2.1 Vol %**Upper:** 18.6 Vol %· **Vapor pressure @ 20 °C (68 °F):** 5200 hPa (3900 mm Hg)· **Density:****Relative density:** Not determined.**Vapor density:** Not determined.**Evaporation rate:** Not applicable.· **Solubility in / Miscibility with:****Water:** Fully miscible.· **Partition coefficient (n-octanol/water):** Not determined.· **Viscosity:****Dynamic:** Not determined.**Kinematic:** Not determined.· **Solvent content:****Organic solvents:** 96.7 %

(Contd. on page 6)

**Safety Data Sheet (SDS)**

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 07/12/2016

Reviewed on 07/11/2016

**Trade name: Tarnish Me Not™**

- **VOC content:** 96.7 %
- **Other information:** No further relevant information available.

**10 Stability and Reactivity**

- **Reactivity:** No further relevant information available.
- **Chemical stability:** Stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** Heat, flame and ignition sources.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

**11 Toxicological Information**

- **Information on toxicological effects:**
- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

**115-10-6 Dimethyl Ether**

Inhalative	LC50/4 h	308 mg/l (rat)
------------	----------	----------------

**141-78-6 Ethyl acetate**

Oral	LD50	5620 mg/kg (rabbit)
Dermal	LD50	18000 mg/kg (rabbit)

**108-65-6 2-methoxy-1-methylethyl acetate**

Oral	LD50	8532 mg/kg (rat)
Inhalative	LC50/4 h	35.7 mg/l (rat)
	LC50/96 hours	129.92 mg/l (Trout)
	LC50/48 hrs	316.57 mg/l (daphnia)

**123-86-4 n-butyl acetate**

Oral	LD50	13100 mg/kg (rat)
Dermal	LD50	>5000 mg/kg (rabbit)
Inhalative	LC50/4 h	>21.0 mg/l (rat)

- **Primary irritant effect:**
- **On the skin:** No irritating effect.
- **On the eye:** Irritating effect.
- **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 are listed.

- **NTP (National Toxicology Program):**

None of the ingredients are listed.

- **OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients are listed.

(Contd. on page 7)

**Safety Data Sheet (SDS)**

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 07/12/2016

Reviewed on 07/11/2016

**Trade name: Tarnish Me Not™****12 Ecological Information**· **Toxicity:**· **Aquatic toxicity:****141-78-6 Ethyl acetate**

EC50 3090 mg/l (daphnia)

**108-65-6 2-methoxy-1-methylethyl acetate**

EC50 170.43 mg/l (Green algae) (96 Hr)

**123-86-4 n-butyl acetate**

EC50 51.577 mg/l (Green algae)

17.594 mg/l (daphnia)

· **Persistence and degradability:** No further relevant information available.· **Behavior in environmental systems:**· **Bioaccumulative potential:** No further relevant information available.· **Mobility in soil:** No further relevant information available.· **Additional ecological information:**· **General notes:**

Do not allow undiluted product or product that has not been neutralized to reach ground water, water course or sewage system.

· **Results of PBT and vPvB assessment:**· **PBT:** Not applicable.· **vPvB:** Not applicable.· **Other adverse effects:** No further relevant information available.**13 Disposal Considerations**· **Waste treatment methods:**· **Recommendation:**

Observe all federal, state and local environmental regulations when disposing of this material.

· **Uncleaned packagings**· **Recommendation:** Disposal must be made according to official regulations.· **Recommended cleansing agent:** Water, if necessary with cleansing agents.**14 Transport Information**· **UN-Number:**· **DOT, ADR, IMDG, IATA**

UN1950

· **UN proper shipping name:**· **DOT**

Aerosols, flammable

· **ADR**

UN1950 Aerosols

· **IMDG**

AEROSOLS

· **IATA**

AEROSOLS, flammable

· **Transport hazard class(es):**· **DOT**· **Class:**

2.1

(Contd. on page 8)



**Safety Data Sheet (SDS)**

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 07/12/2016

Reviewed on 07/11/2016

**Trade name: Tarnish Me Not™**· **Label:** 2.1· **ADR**· **Class:** 2 5F Gases· **Label:** 2.1· **IMDG, IATA**· **Class:** 2.1· **Label:** 2.1· **Packing group:**· **DOT, ADR, IMDG, IATA** Non-Regulated Material· **Environmental hazards:** Not applicable.· **Special precautions for user:** Warning: Gases· **Danger code (Kemler):** -· **EMS Number:** F-D,S-U· **Stowage Code** SW1 Protected from sources of heat.

SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, 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**· **Quantity limitations:** On passenger aircraft/rail: 75 kg

On cargo aircraft only: 150 kg

· **ADR**

· **Excepted quantities (EQ):** Code: E0  
Not permitted as Excepted Quantity

· **IMDG**· **Limited quantities (LQ):** 1L

· **Excepted quantities (EQ):** Code: E0  
Not permitted as Excepted Quantity

· **UN "Model Regulation":** UN 1950 AEROSOLS, 2.1

(Contd. on page 9)



### Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 07/12/2016

Reviewed on 07/11/2016

Trade name: Tarnish Me Not™

#### 15 Regulatory Information

- Safety, health and environmental regulations/legislation specific for the substance or mixture:
- SARA (Superfund Amendments and Reauthorization):

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

None of the ingredients are listed.

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

None of the ingredients are listed.

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

All ingredients are listed or exempt from listing.

· **California Proposition 65:**

· **Chemicals known to cause cancer:**

None of the ingredients are listed.

· **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 are listed.

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

None of the ingredients are listed.

· **New Jersey Right-to-Know List:**

115-10-6	Dimethyl Ether
141-78-6	Ethyl acetate
123-86-4	n-butyl acetate

· **New Jersey Special Hazardous Substance List:**

115-10-6	Dimethyl Ether	F4, R1
141-78-6	Ethyl acetate	F3
123-86-4	n-butyl acetate	F3

· **Pennsylvania Right-to-Know List:**

115-10-6	Dimethyl Ether
141-78-6	Ethyl acetate
123-86-4	n-butyl acetate

· **Pennsylvania Special Hazardous Substance List:**

141-78-6	Ethyl acetate	E
123-86-4	n-butyl acetate	E

· **Carcinogenic categories:**

· **EPA (Environmental Protection Agency):**

None of the ingredients are listed.

· **TLV (Threshold Limit Value established by ACGIH):**

None of the ingredients are listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health):**

None of the ingredients are listed.

**Safety Data Sheet (SDS)**

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 07/12/2016

Reviewed on 07/11/2016

**Trade name: Tarnish Me Not™****GHS label elements**

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

**Hazard pictograms:**

GHS02 GHS07

**Signal word:** Danger**Hazard-determining components of labeling:**Ethyl acetate  
n-butyl acetate**Hazard statements:**

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

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

**Precautionary statements:**

P251 Do not pierce or burn, even after use.

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P211 Do not spray on an open flame or other ignition source.

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear eye protection / face protection.

P264 Wash thoroughly after handling.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 Call a POISON CENTER/doctor if you feel unwell.

P337+P313 If eye irritation persists: Get medical advice/attention.

P405 Store locked up.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

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

**National regulations:**

The product is subject to be classified according with the latest version of the regulations on hazardous substances.

**Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.**16 Other Information**

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

**Date of preparation / last revision:** 07/12/2016 / -**Abbreviations and acronyms:**

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road

ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

(Contd. on page 11)

**Safety Data Sheet (SDS)**

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 07/12/2016

Reviewed on 07/11/2016

**Trade name: Tarnish Me Not™**

ACGIH: American Conference of Governmental Industrial Hygienists  
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)  
HMIS: Hazardous Materials Identification System (USA)  
VOC: Volatile Organic Compounds (USA, EU)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
NIOSH: National Institute for Occupational Safety  
OSHA: Occupational Safety & Health  
TLV: Threshold Limit Value  
PEL: Permissible Exposure Limit  
REL: Recommended Exposure Limit  
Flam. Gas 1: Flammable gases – Category 1  
Flam. Aerosol 1: Aerosols – Category 1  
Press. Gas: Gases under pressure – Compressed gas  
Flam. Liq. 2: Flammable liquids – Category 2  
Flam. Liq. 3: Flammable liquids – Category 3  
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2  
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A  
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

· \* **Data compared to the previous version altered.**

SDS created by MSDS Authoring Services [www.msdsauthoring.com](http://www.msdsauthoring.com) +1-877-204-9106