

# MOLDERS CHOICE 87951 ALUMINUM POLISH

## Safety Data Sheet

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

Date of issue: 08/22/2018

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : MOLDERS CHOICE 87951 ALUMINUM POLISH  
Product code : 87951

#### 1.2. Recommended use and restrictions on use

No additional information available

#### 1.3. Supplier

Molders Choice Inc.  
5380 Naiman Parkway  
Suite E  
Solon, OH 44139  
T 440-349-6174

#### 1.4. Emergency telephone number

No additional information available

### SECTION 2: Hazard(s) identification

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

##### GHS-US classification

|                                                                     |      |                                                                |
|---------------------------------------------------------------------|------|----------------------------------------------------------------|
| Flammable liquids<br>Category 4                                     | H227 | Combustible liquid                                             |
| Skin corrosion/irritation<br>Category 2                             | H315 | Causes skin irritation                                         |
| Serious eye damage/eye<br>irritation Category 1                     | H318 | Causes serious eye damage                                      |
| Specific target organ<br>toxicity (repeated exposure)<br>Category 1 | H372 | Causes damage to organs through prolonged or repeated exposure |

Full text of H statements : see section 16

#### 2.2. GHS Label elements, including precautionary statements

##### GHS-US labeling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) :

Danger

Hazard statements (GHS-US) :

H227 - Combustible liquid  
H315 - Causes skin irritation  
H318 - Causes serious eye damage  
H372 - Causes damage to organs through prolonged or repeated exposure

Precautionary statements (GHS-US) :

P210 - Keep away from heat, hot surfaces, open flames, sparks. - No smoking  
P260 - Do not breathe fume, gas, spray, vapors  
P264 - Wash hands, forearms and face, clothing thoroughly after handling  
P270 - Do not eat, drink or smoke when using this product  
P280 - Wear eye protection, face shield, protective clothing, protective gloves  
P302+P352 - If on skin: Wash with plenty of eye protection, face protection, protective clothing, protective gloves  
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 doctor, a POISON CENTER  
P314 - Get medical advice/attention if you feel unwell  
P321 - Specific treatment (see hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation on this label)  
P332+P313 - If skin irritation occurs: Get medical advice/attention  
P362+P364 - Take off contaminated clothing and wash it before reuse

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P370+P378 - In case of fire: Use extinguishing powder, foam, carbon dioxide (CO2) to extinguish  
P403+P235 - Store in a well-ventilated place. Keep cool  
P501 - Dispose of contents/container to an approved waste disposal plant, an authorized waste collection point

### 2.3. Other hazards which do not result in classification

No additional information available

### 2.4. Unknown acute toxicity (GHS US)

Not applicable

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name                                                                  | Product identifier  | %      | GHS-US classification                        |
|-----------------------------------------------------------------------|---------------------|--------|----------------------------------------------|
| solvent naphtha(petroleum), medium aliph.                             | (CAS No) 64742-88-7 | 9 - 10 | STOT RE 1, H372<br>Asp. Tox. 1, H304         |
| hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics | (CAS No) 64742-47-8 | 8 - 9  | Flam. Liq. 4, H227<br>Asp. Tox. 1, H304      |
| ammonium hydroxide, 5%≤conc<10%, aqueous solution                     | (CAS No) 1336-21-6  | 1 - 3  | Skin Corr. 1B, H314<br>Aquatic Acute 1, H400 |

Full text of hazard classes and H-statements : see section 16

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : Allow victim to breathe fresh air. Allow the victim to rest.

First-aid measures after skin contact : Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention. Specific treatment (see ... on this label).

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

### 4.2. Most important symptoms and effects (acute and delayed)

Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

Symptoms/injuries after skin contact : Causes skin irritation.

Symptoms/injuries after eye contact : Causes serious eye damage.

### 4.3. Immediate medical attention and special treatment, if necessary

No additional information available

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

### 5.2. Specific hazards arising from the chemical

Fire hazard : Flammable liquid and vapor.

Explosion hazard : May form flammable/explosive vapor-air mixture.

### 5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

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### SECTION 6: Accidental release measures

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

General measures : Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.

##### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

#### 6.2. Environmental precautions

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

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

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

#### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Additional hazards when processed : Handle empty containers with care because residual vapors are flammable.

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. No open flames. No smoking. Take precautionary measures against static discharge. Use only non-sparking tools.

Hygiene measures : Wash ... thoroughly after handling.

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

Technical measures : Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/... equipment.

Storage conditions : Store in a well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Emptied containers may retain product residues. Precautions apply to emptied containers. Keep only in the original container in a cool, well ventilated place away from : Keep container tightly closed.

Incompatible products : Strong bases. Strong acids.

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

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

| ammonium hydroxide, 5%≤conc<10%, aqueous solution (1336-21-6)                      |                  |        |
|------------------------------------------------------------------------------------|------------------|--------|
| ACGIH                                                                              | ACGIH TWA (ppm)  | 25 ppm |
| ACGIH                                                                              | ACGIH STEL (ppm) | 25 ppm |
| solvent naphtha(petroleum), medium aliph. (64742-88-7)                             |                  |        |
| Not applicable                                                                     |                  |        |
| hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-47-8) |                  |        |
| Not applicable                                                                     |                  |        |

#### 8.2. Appropriate engineering controls

No additional information available

#### 8.3. Individual protection measures/Personal protective equipment

##### Personal protective equipment:

Avoid all unnecessary exposure.

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### Hand protection:

Wear protective gloves

### Eye protection:

Chemical goggles or safety glasses

### Skin and body protection:

Wear suitable protective clothing

### Respiratory protection:

Wear appropriate mask

### Other information:

Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

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

|                                             |                           |
|---------------------------------------------|---------------------------|
| Physical state                              | : Liquid                  |
| Color                                       | : Creamy white            |
| Odor                                        | : Sweet                   |
| Odor threshold                              | : No data available       |
| pH                                          | : 10 - 11                 |
| Melting point                               | : No Data                 |
| Freezing point                              | : No data available       |
| Boiling point                               | : 370 - 550 °F @ 760 mmHg |
| Flash point                                 | : 108 °F                  |
| Relative evaporation rate (butyl acetate=1) | : No data available       |
| Flammability (solid, gas)                   | : No data available       |
| Vapor pressure                              | : < 1 mm Hg               |
| Relative vapor density at 20 °C             | : No data available       |
| Relative density                            | : 1 @ 68.0 F              |
| Solubility                                  | : Water: < 0.01           |
| Log Pow                                     | : No data available       |
| Auto-ignition temperature                   | : 420 °F                  |
| Decomposition temperature                   | : No data available       |
| Viscosity                                   | : >= 60 cP                |
| Viscosity, kinematic                        | : No data available       |
| Viscosity, dynamic                          | : No data available       |
| Explosion limits                            | : No data available       |
| Explosive properties                        | : No data available       |
| Oxidizing properties                        | : No data available       |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Flammable liquid and vapor. May form flammable/explosive vapor-air mixture.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

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

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### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide. May release flammable gases.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

#### solvent naphtha(petroleum), medium aliph. (64742-88-7)

|               |                                                                                       |
|---------------|---------------------------------------------------------------------------------------|
| LD50 oral rat | > 5000 mg/kg body weight (Rat; Equivalent or similar to OECD 420; Experimental value) |
|---------------|---------------------------------------------------------------------------------------|

|                    |                                                                                          |
|--------------------|------------------------------------------------------------------------------------------|
| LD50 dermal rabbit | > 2000 mg/kg body weight (Rabbit; Experimental value; Equivalent or similar to OECD 402) |
|--------------------|------------------------------------------------------------------------------------------|

#### hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-47-8)

|                    |                                               |
|--------------------|-----------------------------------------------|
| LD50 dermal rabbit | > 5000 mg/kg body weight (Rabbit; Literature) |
|--------------------|-----------------------------------------------|

Skin corrosion/irritation : Causes skin irritation.

pH: 10 - 11

Serious eye damage/irritation : Causes serious eye damage.

pH: 10 - 11

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity – single exposure : Not classified

Specific target organ toxicity – repeated exposure : Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard : Not classified

Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

Symptoms/injuries after skin contact : Causes skin irritation.

Symptoms/injuries after eye contact : Causes serious eye damage.

## SECTION 12: Ecological information

### 12.1. Toxicity

#### solvent naphtha(petroleum), medium aliph. (64742-88-7)

|             |                                                                                                                                        |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------|
| LC50 fish 1 | 2 - 5 mg/l (LL50; OECD 203: Fish, Acute Toxicity Test; 96 h; Oncorhynchus mykiss; Semi-static system; Fresh water; Experimental value) |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------|

|                |                                                                                                                                       |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------|
| EC50 Daphnia 1 | 1.4 mg/l (EL50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna; Static system; Fresh water; Experimental value) |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------|

|                         |                                                                                                                                           |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Threshold limit algae 1 | 1 - 3,EL50; OECD 201: Alga, Growth Inhibition Test; 72 h; Pseudokirchneriella subcapitata; Static system; Fresh water; Experimental value |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|

#### hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-47-8)

|             |                     |
|-------------|---------------------|
| LC50 fish 1 | > 100 mg/l (Pisces) |
|-------------|---------------------|

|                |                           |
|----------------|---------------------------|
| EC50 Daphnia 1 | > 100 mg/l (Invertebrata) |
|----------------|---------------------------|

|                         |                    |
|-------------------------|--------------------|
| Threshold limit algae 1 | > 100 mg/l (Algae) |
|-------------------------|--------------------|

### 12.2. Persistence and degradability

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|                               |                  |
|-------------------------------|------------------|
| Persistence and degradability | Not established. |
|-------------------------------|------------------|

#### ammonium hydroxide, 5%≤conc<10%, aqueous solution (1336-21-6)

|                               |                                                                                                                                                             |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Persistence and degradability | Readily biodegradable in water. Ozonation in water. Biodegradable in the soil. No (test)data on mobility of the components available. Ozonation in the air. |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|

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|                                                                                              |                                                        |
|----------------------------------------------------------------------------------------------|--------------------------------------------------------|
| <b>solvent naphtha(petroleum), medium aliph. (64742-88-7)</b>                                |                                                        |
| Persistence and degradability                                                                | Readily biodegradable in water. Adsorbs into the soil. |
| <b>hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, &lt; 2% aromatics (64742-47-8)</b> |                                                        |
| Persistence and degradability                                                                | Readily biodegradable in water. Adsorbs into the soil. |

### 12.3. Bioaccumulative potential

|                                                                                              |                                                   |
|----------------------------------------------------------------------------------------------|---------------------------------------------------|
| <b>MOLDERS CHOICE 87951 ALUMINUM POLISH</b>                                                  |                                                   |
| Bioaccumulative potential                                                                    | Not established.                                  |
| <b>ammonium hydroxide, 5%≤conc&lt;10%, aqueous solution (1336-21-6)</b>                      |                                                   |
| Log Pow                                                                                      | -1.3                                              |
| Bioaccumulative potential                                                                    | Bioaccumulation: not applicable.                  |
| <b>solvent naphtha(petroleum), medium aliph. (64742-88-7)</b>                                |                                                   |
| Bioaccumulative potential                                                                    | No bioaccumulation data available.                |
| <b>hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, &lt; 2% aromatics (64742-47-8)</b> |                                                   |
| Log Pow                                                                                      | 6 - 8.2                                           |
| Bioaccumulative potential                                                                    | High potential for bioaccumulation (Log Kow > 5). |

### 12.4. Mobility in soil

|                                                                                              |                   |
|----------------------------------------------------------------------------------------------|-------------------|
| <b>hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, &lt; 2% aromatics (64742-47-8)</b> |                   |
| Surface tension                                                                              | 0.026 N/m (20 °C) |

### 12.5. Other adverse effects

Effect on the global warming : No known effects from this product.  
GWPmix comment : No known effects from this product.

Other information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to ...  
Additional information : Handle empty containers with care because residual vapors are flammable.  
Ecology - waste materials : Avoid release to the environment.

## SECTION 14: Transport information

### Department of Transportation (DOT)

In accordance with DOT

Not applicable

### TDG

Not applicable

### Transport by sea

Not applicable

### Air transport

Not applicable

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

|                                                                               |  |
|-------------------------------------------------------------------------------|--|
| <b>MOLDERS CHOICE 87951 ALUMINUM POLISH</b>                                   |  |
| Not listed on the United States TSCA (Toxic Substances Control Act) inventory |  |

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### solvent naphtha(petroleum), medium aliph. (64742-88-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

### hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-47-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

## 15.2. International regulations

### CANADA

No additional information available

### solvent naphtha(petroleum), medium aliph. (64742-88-7)

Listed on the Canadian DSL (Domestic Substances List)

### hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-47-8)

Listed on the Canadian DSL (Domestic Substances List)

### EU-Regulations

No additional information available

### National regulations

No additional information available

## 15.3. US State regulations

No additional information available

## SECTION 16: Other information

Other information : None.

Full text of H-phrases:

|      |                                                                |
|------|----------------------------------------------------------------|
| H227 | Combustible liquid                                             |
| H304 | May be fatal if swallowed and enters airways                   |
| H314 | Causes severe skin burns and eye damage                        |
| H315 | Causes skin irritation                                         |
| H318 | Causes serious eye damage                                      |
| H372 | Causes damage to organs through prolonged or repeated exposure |
| H400 | Very toxic to aquatic life                                     |

SDS US (GHS HazCom 2012)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*