

# Heavy Duty Metal Polish

## Safety Data Sheet

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



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### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : Heavy Duty Metal Polish

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

Recommended use : Auto care product

### SECTION 2: Hazard(s) identification

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

##### GHS-US classification

Aspiration Hazard Category 1. Eye Irritation Category 2B.

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

##### GHS-US labeling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) : **DANGER**

Hazard statements (GHS-US) : H304 - May be fatal if swallowed and enters airways.  
H320 - Causes eye irritation.

Precautionary statements (GHS-US) : P262 - Do not get in the eyes, on skin or on clothing.  
P264 - Wash thoroughly after handling.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

**Response** : P301+P310 – If Swallowed: immediately call Poison Center or a doctor/physician  
P331 – Do NOT induce vomiting  
P332+P313- If skin irritation occurs: get medical advice/attention  
P337+P313- If eye irritation persists: get medical advice/attention  
P305+P351+P338- If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Storage** : P405 – Store locked up

**Disposal** : P501 – Dispose of contents/container in accordance with local/regional/national/international regulation.

# Heavy Duty Metal Polish

## Safety Data Sheet

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

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

None.

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

Statement of toxicity: Product may create aspiration hazard if swallowed or enters airways. Product contains ingredients that may cause physical or health hazards on their own but are not likely to have the same effect as components in this mixture or in the physical state created by this mixture.

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%
C13-16 Isoalkanes	(CAS No) 68551-20-2	17-25
Water	(CAS No) 7732-18-5	23-33
Polysorbate 80	(CAS No) 9005-65-6	1-3
Octadecanoic acid mixture	(CAS No) 57-11-4	15-20
2,2'2"-nitrilotreethanol (Triethanolamine)	(CAS No) 102-71-6	1-3
Terpineol	(CAS No) 8000-41-7	1-3
Aluminum oxide	(CAS No) 1344-28-1	22-30

Additional Information - None

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

**Primary Routes of Exposure:** Inhalation (X) Ingestion ( ) Dermal (X) Eye Contact (X)

**Eye Contact:** Direct contact with product may cause irritation or burn the eyes.

**Eye Contact First Aid Measures:** Immediately flush eyes with clean water or eye wash for fifteen (15) minutes while holding open the eyelids. Lift the eyelids to ensure rinsing. Contact physician if necessary.

**Dermal Contact:** Direct contact with skin may cause irritation.

**Dermal Contact First Aid Measures:** Wash with copious amounts of soap and water. Seek medical aid if necessary.

**Inhalation:** Inhalation may irritate the nose, throat, and respiratory tract. Coughing, sneezing, and shortness of breath may occur following exposure.

**Inhalation First Aid Measures:** Remove person to fresh air. If person is not breathing, provide artificial respiration, CPR or oxygen. Person should seek medical attention immediately from a physician should irritation persist or develop at a later time.

**Ingestion:** Ingestion may cause irritation to mouth, throat, and gastrointestinal tract.

**Ingestion First Aid Measures:** Seek emergency medical attention immediately. Never attempt to make an unconscious person, or person of limited awareness drink or vomit. DO NOT INDUCE VOMITING. If vomiting is occurring, lean victim forward, trying to keep them sitting at rest and comfortable. Monitor breathing, if person is conscious and fully aware allow victim to rinse their mouth with water until taste and material has been removed.

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

No additional information available.

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

No additional information available.

# Heavy Duty Metal Polish

## Safety Data Sheet

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

### SECTION 5: Fire-fighting measures

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

Product contains ingredients that are flammable; product is not considered flammable but contains individual ingredients that are flammable on their own.

Suitable extinguishing media : Dry chemical, water spray, and CO2. Note: If not properly trained to use extinguishers do NOT attempt to extinguish fires. Seek proper help from local fire department and give any information as to the start of fire or chemicals involved.

#### 5.2. Specific hazards arising from the chemical

The use of adequate respiratory ventilation devices are recommended for individuals fighting the fire. Do not allow contaminated water from extinguishing the fire to flow into drains or groundwater.

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

**Advice for fire-fighters** Suitable protective body suits, eye protection and respiratory ventilation devices should be worn.

### SECTION 6: Accidental release measures

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

In case of accidental release, use caution as floor may be slippery. Carefully contain and stop the source of spill. Product should not be excreted into drains, discharged into surface water or groundwater. Should a release of this product enter a US waterway and cause a film or sheen, the National Response Center (NRC) must be notified within 24 hours at (800) 424-8802.

#### 6.2. Environmental precautions

No additional information available.

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

Use absorbing materials to soak up spill if small and contained. Scoop up spilled product in a conventional manner and clean area with absorbent towels. Spilled product should be containerized in suitable container for disposal according to all federal and local regulations.

#### 6.4. Reference to other sections

None.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Local ventilation is recommended. Avoid contact with skin and eyes. Persons handling the product should wear recommended personal protective equipment (PPE) such as gloves, coveralls, and eye protection. Do not ingest.

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

Keep container tightly closed in a dry and well-ventilated place. Observe label precautions, only store in original container. Storage temperature should not be below 32°F or above 150°F. Product is considered stable but may react with strong oxidizers.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

SUBSTANCE.	CAS No.	PEL	NIOSH	NIOSH	TLV
		(OSHA)	IDLH	REL	(ACGIH)
C13-C16 Isoalkanes <sup>(2)</sup>	68551-20-2	----- <sup>(3)</sup>	-----	-----	-----
Total Dust	----	15T/5.0R <sup>(4)</sup>	-----	-----	10 I/3.0R
Aluminum oxide	1344-28-1	15T/5.0R	-----	-----	1 <sup>(5)</sup>
2,2'2"-nitrilotriethanol (Triethanolamine)	102-71-6	5			5
Pine oil	8002-09-3	-----	-----	-----	-----
Polysorbate 80	9005-65-6	-----	-----	-----	-----
Octadecanoic acid mixture	57-11-4	-----	-----	-----	-----

1. Units – are mg/m3 unless footnoted.

2. Manufacturer recommended an exposure limit of 400 ppm. No other exposure limits available.

3. "-----" - Not available.

4. Total dust/inhalable/respirable exposure limits presented are for dusts/particulates not otherwise classified. Exposure to dust may occur during buffing or polishing.

5. Aluminum oxide had a TLV withdrawn. The combined aluminum metal and insoluble compounds TLV is presented above.

6. Acronyms are defined in Section 16.

# Heavy Duty Metal Polish

## Safety Data Sheet

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

### 8.2. Appropriate engineering controls

#### Appropriate engineering controls

Use product in properly ventilated areas only. Ensure eye wash stations are close by and work properly.

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

#### Personal protective equipment:

**Eye:** Recommend that goggles/face shield be worn for protection.

**Body:** Avoid contact with skin by properly covering skin with clothing or protective suit.

**Respiratory:** SCBA/NIOSH Approved respirator required for inadequate ventilation.

**Hands:** Gloves should be worn. Recommended neoprene.

**Feet:** Suitable foot protection to avoid potential slips if product is spilled on the floor.

## SECTION 9: Physical and chemical properties

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

Appearance	White-paste
Color	Not determined.
Odor	Mild
Odor Threshold (ppm)	Not determined.
pH (Value)	Not determined.
Melting Point (°C) / Freezing Point (°C)	Not available/32°F (0°C)
Boiling point/boiling range (°C):	Not available
Flash Point (°C)	213.1°F (106°C)
Evaporation Rate	Butyl Acetate 1 Lower than 1
Flammability (solid, gas)	Product contains ingredients that on their own may be flammable
Explosive Limit Ranges	Not determined.
Vapor pressure (Pascal)	Not available
Vapor Density (Air=1)	Not determined.
Density (g/ml)	Not determined.
Solubility (Water)	Dispersible
Solubility (Other)	Not available
Partition Coefficient (n-Octanol/water)	Not determined.
Auto Ignition Point (°C)	Not available
Decomposition Temperature (°C)	Not determined.
Kinematic Viscosity	Variable

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under normal conditions.

### 10.2. Chemical stability

Stable under recommended storage conditions. See Storage, Section 7. Hazardous polymerization is not likely to occur.

### 10.3. Possibility of hazardous reactions

None anticipated.

### 10.4. Conditions to avoid

Avoid temperatures above 65°C/150°F or below 0°C/32°F. Some ingredients decompose at elevated temperatures. Keep away from heat and open flames.

### 10.5. Incompatible materials

Avoid contact with oxidizing materials. Avoid contact with strong acids.

### 10.6. Hazardous decomposition products

Hazardous decomposition products depend upon temperature, air supply, and the presence of other materials. Carbon monoxide and Carbon dioxide are products of decomposition.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute Exposure:

# Heavy Duty Metal Polish

## Safety Data Sheet

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

**Ingestion:** Ingestion may cause irritation to mouth, throat, and gastrointestinal tract. If oral exposure occurs seek medical attention, immediately. May be harmful if swallowed. May be fatal if swallowed and enters airways. May cause dizziness and drowsiness.

**Eye Contact:** Direct contact may cause irritation, redness or burns to the eyes.

**Dermal Contact:** Direct contact with skin may cause irritation.

**Inhalation:** Inhalation may irritate the nose, throat, and respiratory tract. Coughing, sneezing, and shortness of breath may occur following over-exposure. Inhalation may cause rapid heart rate, headaches, confusion, anemia, dizziness and drowsiness.

**Chronic Exposure:**

No data exists for chronic exposure to the product itself; however, chronic exposure to some components of the product can cause other injuries to skin and eyes.

**Numerical measures of toxicity: No numerical measures of toxicity exist for the product itself measures for the main components of the product are listed below.**

C13-C16 Isoalkanes (68551-20-2): Oral, Rat: LD50 >10,000 mg/kg

Inhalation, Rat: LD50 > 5.2 mg/L (4 hours)

Skin, Rabbit: LD50 >2,000 mg/kg

Octadecanoic acid mixture (57-11-4): Oral, Rat: LD50 4,600 mg/kg

Skin, Rabbit: LD50 >5,000 mg/kg

2,2',2"-nitritroreethnol (102-71-6): Oral, Rat: LD50 6,400 mg/kg

Skin, Rabbit: LD50 >2,000 mg/kg

**Carcinogenicity: No component of this product is a known or suspected carcinogen.**

## SECTION 12: Ecological information

### 12.1. Toxicity

**Ecotoxicity:**

No information is available for the product. Ecotoxicity information for individual components of the product is listed below:

Octadecanoic acid mixture (57-11-4): Red Killifish: LC50 125 mg/L

2,2',2"-nitritroreethanol (102-71-6): Daphnia: EC50 609.88 mg/L (48 hours)

Lepomis macrochirus (Bluegill): LC50 450-1,000 mg/L (96 hours)

**Persistence and Degradability:** No information available on this product.

**Bioaccumulative Potential:** No information available on this product.

**Mobility in Soil:** No information available on this product.

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

**Waste treatment methods**

Waste must be disposed of in accordance with federal, state, and local environmental control regulations. Disposal of product may require waste characterization prior to disposal.

## SECTION 14: Transport information

**DEPARTMENT OF TRANSPORTATION (D.O.T.):** Polishing Compound; Class 55, no DOT Number.

**Canadian TDG Information:** Product is not regulated. Product may contain small quantities of flammable ingredients.

**IMDG:** Product is not regulated. Product may contain small quantities of flammable ingredients.

**IATA-DGR:** Product is not regulated. Product may contain small quantities of flammable ingredients.

**MARPOL 73/78 ANNEX II:** Not Applicable

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

**SARA (Superfund Amendments and Reauthorization Act)**

Product is not listed: Reportable Hazard Categories: Immediate Health and Delayed Health.

**TSCA (Toxic Substance Control Act)**

Product is not listed. All intentionally present components of this product are listed.

## SECTION 16: Other information

Other information : None.

# Heavy Duty Metal Polish

## Safety Data Sheet

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

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