

# Safety Data Sheet

according to 29 CFR 1910.1200(g)

## DYNARED

Revision date: 17.05.2018

Page 1 of 7

### 1. Identification

#### Product identifier

DYNARED

#### Recommended use of the chemical and restrictions on use

##### Use of the substance/mixture

Automotive care products

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

Company name:	Dynabrade Inc.	
Street:	8989 Sheridan Drive	
Place:	USA-14031-1419 Clarence, New York	
Telephone:	+1 716 631 0100	Telefax: +1 7166312073
Contact person:	Paul Krupa	
e-mail:	paul.krupa@dynabrade.com	
Internet:	www.dynabrade.com	

### 2. Hazard(s) identification

#### Classification of the chemical

##### 29 CFR Part 1910.1200

Flammable liquids: Flam. Liq. 4

#### Label elements

##### 29 CFR Part 1910.1200

Signal word: Warning

##### Hazard statements

Combustible liquid

##### Precautionary statements

Keep out of reach of children.  
 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
 Store in a well-ventilated place.  
 Dispose of waste according to applicable legislation.

#### Hazards not otherwise classified

No information available.

### 3. Composition/information on ingredients

#### Mixtures

##### Hazardous components

CAS No	Components	Quantity
	aliphatic hydrocarbons, C11-C13, isoalkanes, (<0,1 % Benzene)	15 %
8042-47-5	white mineral oil ( petroleum )	2 %

### 4. First-aid measures

#### Description of first aid measures

##### General information

No special measures are necessary. When in doubt or if symptoms are observed, get medical advice.

##### After inhalation

Provide fresh air. In case of respiratory tract irritation, consult a physician.

# Safety Data Sheet

according to 29 CFR 1910.1200(g)

## DYNARED

Revision date: 17.05.2018

Page 2 of 7

**After contact with skin**

After contact with skin, wash immediately with plenty of water and soap. Take off contaminated clothing and wash it before reuse.

**After contact with eyes**

Rinse immediately carefully and thoroughly with eye-bath or water.

**After ingestion**

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Call a doctor.

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

No information available.

**Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

### 5. Fire-fighting measures

**Extinguishing media****Suitable extinguishing media**

Water spray jet. Co-ordinate fire-fighting measures to the fire surroundings.

**Unsuitable extinguishing media**

Full water jet

**Specific hazards arising from the chemical**

No special measures are necessary.

**Special protective equipment and precautions for fire-fighters**

In case of fire: Wear self-contained breathing apparatus.

**Additional information**

Use water spray/stream to protect personnel and to cool endangered containers. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

### 6. Accidental release measures

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

Remove all sources of ignition. Danger of explosion. Provide adequate ventilation. Do not breathe gas/fume/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

**Environmental precautions**

Do not allow to enter into surface water or drains.

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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

**Reference to other sections**

Safe handling: see section 7

Personal protection equipment (PPE): see section 8

Disposal: see section 13

### 7. Handling and storage

**Precautions for safe handling****Advice on safe handling**

No special measures are necessary. Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500.

**Advice on protection against fire and explosion**

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges. Vapors may form explosive mixtures with air. Only use the material in places where open light, fire and other flammable sources can be kept away.

## Safety Data Sheet

according to 29 CFR 1910.1200(g)

### DYNARED

Revision date: 17.05.2018

Page 3 of 7

#### Further information on handling

Take off contaminated clothing. Wash hands before breaks and after work. When using do not smoke. When using do not eat or drink. Avoid contact with skin, eyes and clothes. Avoid breathing dust/fume/gas/mist/vapors/spray.

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

##### Requirements for storage rooms and vessels

Keep only in the original container in a cool, well-ventilated place. Keep container tightly closed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

##### Advice on storage compatibility

Oxidising agent. Strong acid. Strong alkali. Pyrophoric or self-heating substances

##### Further information on storage conditions

Recommended storage temperature: 15-25°C

## 8. Exposure controls/personal protection

#### Control parameters

#### Exposure limits

CAS No.	Substance	ppm	mg/m <sup>3</sup>	f/cc	Category	Origin
56-81-5	Glycerin (mist) Respirable fraction	-	5		TWA (8 h)	PEL
1344-28-1	alpha-Alumina Respirable fraction	-	5		TWA (8 h)	PEL

#### Exposure controls



##### Appropriate engineering controls

Use only in well-ventilated areas.

##### Protective and hygiene measures

Take off contaminated clothing. Wash hands before breaks and after work. When using do not smoke. When using do not eat or drink. Avoid contact with skin, eyes and clothes. Avoid breathing dust/fume/gas/mist/vapors/spray.

##### Eye/face protection

Wear eye protection/face protection.

##### Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Recommended glove articles : HyFlex® Foam (EN 420, EN 388 (3131))

##### Skin protection

Wear suitable protective clothing.

##### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

##### Environmental exposure controls

No special environmental measures are necessary. Do not allow uncontrolled discharge of product into the environment.

## Safety Data Sheet

according to 29 CFR 1910.1200(g)

### DYNARED

Revision date: 17.05.2018

Page 4 of 7

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

Physical state: Paste  
 Color: pink  
 Odor: characteristic

pH-Value (at 20 °C): 7,8

#### Test method

#### Changes in the physical state

Melting point/freezing point: not determined

Initial boiling point and boiling range: 100 °C

Flash point: 73 °C DIN EN ISO 2719

#### Flammability

Solid: not applicable

Gas: not applicable

Lower explosion limits: 0,6 vol. %

Upper explosion limits: 7 vol. %

Ignition temperature: >200 °C

#### Auto-ignition temperature

Solid: not applicable

Gas: not applicable

Decomposition temperature: not determined

#### Oxidizing properties

Not oxidising.

Vapor pressure: 0,4 hPa  
 (at 20 °C)

Density (at 20 °C): 1,12 g/cm<sup>3</sup>

Water solubility: completely miscible  
 (at 20 °C)

#### Solubility in other solvents

not determined

Partition coefficient: not determined

Viscosity / dynamic: 25000-30000 mPa·s  
 (at 20 °C)

Evaporation rate: not determined

Solvent content: 23,00 %

### Other information

Solid content: not determined

## 10. Stability and reactivity

### Reactivity

Flammable.

### Chemical stability

Stability: Stable

The product is stable under storage at normal ambient temperatures.

## Safety Data Sheet

according to 29 CFR 1910.1200(g)

### DYNARED

Revision date: 17.05.2018

Page 5 of 7

#### Possibility of hazardous reactions

No known hazardous reactions.

#### Conditions to avoid

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Vapors may form explosive mixtures with air. Only use the material in places where open light, fire and other flammable sources can be kept away. Protect from sunlight.

#### Incompatible materials

Oxidising agent. Strong acid. Strong alkali. Pyrophoric or self-heating substances

#### Hazardous decomposition products

No known hazardous decomposition products.

## 11. Toxicological information

#### Information on toxicological effects

##### Toxicokinetics, metabolism and distribution

No information available.

##### Acute toxicity

Based on available data, the classification criteria are not met.

CAS No	Components					
	Exposure route	Dose	Species	Source	Method	
	aliphatic hydrocarbons, C11-C13, isoalkanes, (<0,1 % Benzene)					
	oral	LD50 mg/kg	5000	Rat	ECHA	OECD 401
	dermal	LD50 mg/kg	5000	Rat	ECHA	OECD 402
	inhalation (4 h) vapour	LC50	2500 mg/l	Rat	ECHA	OECD 403
8042-47-5	white mineral oil ( petroleum )					
	oral	LD50 mg/kg	>5000	Rat	ECHA	
	dermal	LD50 mg/kg	>2000	Rabbit	ECHA	
	inhalation (4 h) aerosol	LC50	>5,09	Rat	ECHA	

##### Irritation and corrosivity

Based on available data, the classification criteria are not met.

##### Sensitizing effects

Based on available data, the classification criteria are not met.

##### Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

##### Specific target organ toxicity (STOT) - single exposure

Based on available data, the classification criteria are not met.

##### Specific target organ toxicity (STOT) - repeated exposure

Based on available data, the classification criteria are not met.

Carcinogenicity (OSHA): No ingredient of this mixture is listed.

Carcinogenicity (IARC): No ingredient of this mixture is listed.

Carcinogenicity (NTP): No ingredient of this mixture is listed.

##### Aspiration hazard

Based on available data, the classification criteria are not met.

## Safety Data Sheet

according to 29 CFR 1910.1200(g)

### DYNARED

Revision date: 17.05.2018

Page 6 of 7

#### Specific effects in experiment on an animal

No information available.

## 12. Ecological information

#### Ecotoxicity

Based on available data, the classification criteria are not met.

#### Persistence and degradability

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

#### Bioaccumulative potential

The product has not been tested.

#### Mobility in soil

The product has not been tested.

#### Other adverse effects

No information available.

#### Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

## 13. Disposal considerations

#### Waste treatment methods

##### Advice on disposal

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

##### Contaminated packaging

Non-contaminated packages may be recycled.

## 14. Transport information

#### Marine transport (IMDG)

<u>UN number:</u>	No dangerous good in sense of this transport regulation.
<u>UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>Packing group:</u>	No dangerous good in sense of this transport regulation.

#### Air transport (ICAO-TI/IATA-DGR)

<u>UN number:</u>	No dangerous good in sense of this transport regulation.
<u>UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>Packing group:</u>	No dangerous good in sense of this transport regulation.

#### Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

#### Special precautions for user

No special measures are necessary.

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not applicable

## 15. Regulatory information

#### U.S. Regulations

##### National regulatory information

# Safety Data Sheet

according to 29 CFR 1910.1200(g)

## DYNARED

Revision date: 17.05.2018

Page 7 of 7

SARA Section 311/312 Hazards:

aliphatic hydrocarbons, C11-C13, isoalkanes, (<0,1 % Benzene) (-): Fire hazard

SARA Section 313 Toxic release inventory:

Aluminum oxide (fibrous forms) (1344-28-1): De minimis limit = 1.0 %, Reportable threshold = Standard

### State Regulations

#### Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)

This product contains no chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

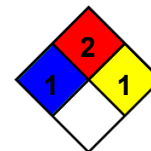
## 16. Other information

### Hazardous Materials Information Label (HMIS)

Health:	1
Flammability:	2
Physical Hazard:	1
Personal Protection:	B

### NFPA Hazard Ratings

Health:	1
Flammability:	2
Reactivity:	1
Unique Hazard:	



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### Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route  
(European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

### Other data

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*