

# According to (EC) No 1706/2006 (REACH), 1272/2008 and Regulation (EU) 2015/830

Metal Polish Paste

Date of Issue: 23.05.2019 Revised: 23.05.2019

1.1 Trade name: Metal Polish Paste

1.2 General chemical description mixture of water, fatty acids, hydrocarbons, aluminumoxide, oil, emulsifier

1. IDENTIFICATION OF THE SUBSTANCE/ PREPARATION AND OF THE COMPANY

relevant uses polishing agent

1.3 Details of the supplier of the safety data sheet

Company identification: Flitz International, LTD.

821 Mohr Ave. Waterford, WI 53185 Tel.: (262)-534-5898 Fax: (262)-534-2991 Homepage: www.flitz.com E-mail: info@flitz.com

adress enquires to

technical information info@flitz.com safety data sheet info@flitz.com

emergency telephone number

advisory body (262)-534-5898

## 2. Hazards identification

2.1 Classification of substance or mixture

Aquastic Chronic 3: H412 Harmful to aquatic life with long lasting effect

2.2 Label elements:

the product is required to be labelled in accordance with Regulation (EC)

No 1272/2008 [CLP]

hazard pictogram none signal word none

hazardous statements H412, harmful to agautic life with long lasting effect

precautionary statements P273: avoid release to environment

P501: Dispose of the content/ container in accordance to local/ national

regulation

special labelling: EUH066 repeated exposure may cause skin dryness or cracking

2.3 other hazards

human dealth danger If swallowed or n the event of vormiting, risk of product entering the lungs

environmental hazards Does not contain any PBT of vBvB substances

other hazards further hazards were not determined with the current level of knowledge

3. Composition/ information on ingredients:

Product type: the product is a mixture

range Substance

30-35 % water CAS 7732-18-5

30-35 % aluminumoxide CAS 1344-28-1 EG 215-691-6 REACH 01-2119529248-35



Date of Issue: 23.05.2019 Metal Polish Paste Revised:

Comment of composition parts substances very high concern - SVHC: substances are not contained or are

below 0,1%

For full text of H - statements: see SECTION 16

### 4. FIRST AID MEASURES:

4.1 Description of first aid measures

> General information Take off contaminated clothing and wash before reuse.

Inhalation Ensure supply of fresh air.

In the event of symptoms seek medical treatment.

skin contact When in contact with the skin, clean with soap and water. Consult a doctor if irritation

persists.

eye contact Rinse cautiously with water for several minutes. Remove contact lenses,

if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

#### Most important symptons and effects, both acute and delayed

irritant effect headache Vertigo Drowsiness

#### Indication of any immediate medial attention and special treatment needed 4.3

threated sympromatically

if swallowed or in the event of vormitting, risk of product entering the lungs

23.05.2019



2015/830

Metal Polish Paste

5. FIRE-FIGHTING MEASURES:

5.1 Extinguishing media: Foam, carbon dioxide, water spray jet, corbon dioxide

extinguishing media that

must not used:

full water jet

5.2 Special hazards arizing from the substance or mixture

risk of formation of toxic pyrolysis products

5.3 Advice for fire fighters

use self- contained breathing apparatus cool containers at risk with water spray jet

first residues and contamination fire fighthing water must be disposed of in

accordance within the local regulations

Date of Issue: 23.05.2019

23.05.2019

Revised:

#### 6. ACCIDENTAL RELEASE MEASURES:

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate exhaust ventilation. Keep away from all sources of ignition

high risk of slipping due to leakage/ spillage of product.

user personal protecting clothing

**6.2 Environmental precautions:** Do not discharge into drains/ surface waters/ groundwater.

6.3 Methodes for cleaning

up/taking up:

Take up mechanically, send in suitable containers for recovery or

disposal.

dispose of absorbed material in accordance within the regulations

6.4 Reference to other sections See Section 8+13

#### 7. HANDLING AND STORAGE

# 7.1 Precaution and safe handling

Use only in well-ventilated areas.

Provide suitable vacuuming at the processing area.

Keep only in original container.

Keep away from all sources of ignition.

After worktime and before work breaks the affected skin areas must be

thoroughly cleaned. Use barrier skin cream.

Do not eat, drink, smoke or take drugs at work.

Take off contaminated clothing and wash before reuse.

## 7.2 Condition for safe storage, including any incompabilities

Provide solvent-resistant and impermeable floor.

Prevent penetration into the ground.

Do not store together with oxidizing agents.

Do not store together with food and animal food/diet

Protect from heal/overheating.

Keep container in a well-ventilated place.

Keep container tightly closed.



Metal Polish Paste

Date of Issue: 23.05.2019 Revised: 23.05.2019

7.3 Specific end use(s)

see product use. SECTION 1.2

# 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION:

### 8.1 control parameters

ingredients with occupational exposure limits to be monitored (GB)

Substance	
nydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, <2% aromatics	
EINECS/ELINCS: 920-107-4, Reg-No.: 01-2119453414-43-XXX	
Long term exposure: 1200 mg/m³	
hydrocarbons, C13-C16, iso-alkans, cyclics, < 2 % Aromatics	
CAS: 64742-47-8, EINECS/ELINCS: 918-973-3, Reg-No.: 01-2119458871-30	
Long term exposure: 1200 mg/m³	
nydrocarbons, C13-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics	
CAS: 64742-47-8, EINECS/ELINCS: 921-050-8, Reg-No.: 01-2119485032-45-XXXX	
Long term exposure: 1200 mg/m³	
nydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	
CAS: 64742-47-8, EINECS/ELINCS: 926-141-6, EU- INdex: 649-422-00-2, Reg. No 01-2119456620-, Reg-No.: 01- 2119456620-43-0000	
Long term exposure: 1200 mg/m³	
nydrocarbons, C13-C15, n-alkanes, isoalkanes, cyclics, <2% aromatics	
EINECS/ELINCS: 917-488-4 Reg No.: 01-2119458943-27	
Long term exposure: 1200 mg/m³	
Ammonia solution	
CAS: 1336-21-6, EINECS/ELINCS: 215-647-6, EU-INDEX: 007-001-01-2, Reg-No.: 01-2119488876-14-XXXX	
Long term exposure: 25 ppm, 18 mg/m³	
short term exposure (15- minutes) : 35 ppm, 25 mg/m³, 15 min	_
Aluminum oxide	_
CAS 1344-28-1, EINECS/ ELINCS: 215-691-6, Reg-N.: 01-2119529248-35-XXXX	
Long term exposure: 10 mg/m³, inhalable dust (respirable dust: 4 mg/m³)	

## ingredients with occupational exposure limits to be monitored (EU)

Substance/ EC LIMIT VALUES



# Metal Polish Paste

Date of Issue: 23.05.2019 Revised: 23.05.2019

Ammonia solution

CAS 1336-21-6, EINECS/ ELINCS: 215-647-6, EU-Index: 007-001-01-2, Reg. No.: 01-21194888876-14-XXXX

Eight hours: 20 ppm, 14 mg/m³

# DNL

Substance	
Amides, C8-18 (even numered) and C18 unsatd., N,N-bis(hydroxyethyl), CAS: 68155-07-7	
Industrial, dermal, long-term - local effects: 0,09 mg/cm²	
Industrial, dermal, long-term - systemic effects: 4,16 mg/kg bw/day	
Industrial, inhalative, Long-term- systemic effects: 73,4 mg/m³	
General population, oral, long-term - systemic effects: 6,25 mg/kg bw/day	
General population, dermal, Long-term - local effects: 0,056mg/cm²	
General population, dermal, Long-term - systemic effects: 2,5 mg/kg bw/day	
General population, inhalation, long-term - systemic effects: 21,73 mg/m³	
Ammonia solution CAS: 1336-21-6	
Industrial, inhalative, Long-term- systemic effects: 14 mg/m³ (NH3)	
Industrial, inhalative, acute - systemic effects: 38 mg/m³ (NH3)	
Industrial, dermal, acute - systemic effects: 6,8 mg/m³ (NH3)	
Industrial, oral, acute - systemic effects: 6,8 mg/kg, bw/d (NH3)	

# PNEC

Substance	
Amides, C8-18 (even numered) and C18 unsatd., N,N-bis(hydroxyethyl), CAS: 68155-07-7	
Soil: 0,035 mg/kg	
Sediment (seaater), 0,019 mg/kg	
Sediment (freshwater), 0,195 mg/kg	
Sewage treatments plants (STP), 0,83 g/l	
Seawater, 0,7µg/l	
Freshwater, 7µg/l	
Ammonia solution CAS: 1336-21-6	
Seawater, 0,011mg/l	
Freshwater, 0,0011mg/l	



# According to (EC) No 1706/2006 (REACH), 1272/2008 and Regulation (EU) 2015/830

Metal Polish Paste

Date of Issue: 23.05.2019 Revised: 23.05.2019

8.2 Exposure controls

Additional advice on system

design

Ensure adequate ventilation on workstation. Measurement methods for taking workplace measurements must meet the performance of requirements of DIN EN 482. For examples, ecommendateions are

given in IFA's list of hazardous substances

Eye protection Safety glasses. (EN 166:2001)

Hand protection 0,7mm Butyl rubber, >120 min (EN 374-1/-2/-3).

The details concerned are recommendations. Please contact the glove

supplier for further information.

Skin protection Protective clothing.

other Do not inhale vapours.

Avoid contact with eyes and skin.

Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the

respective supplier.

**espiratory protection** Breathing apparatus in the event of high concentrations.

Short term: filter apparatus, combination filter A-P2. (DIN EN 14387)

thermal hazards none

**Delimitation and monitoring** 

the environmental

exposition

Protect the invironment by applying approciate control measures to prevent

or limit emissions

#### 9. PHYSICAL AND CHEMICAL PROPERTIES:

### 9.1 Information on basic physical and chemical properties

Form: pasty Colour: blue

Odour: characteristic odour treshhold: not required pH-value: 9-10

pH-value [1%] not determined
Boiling Point: not determined
Flash Point [°C] > 61°C
Flammability (Solid, gas) [°C] not applicable
lower exposure limit not determined
upper exposure limit not determined

oxidising properties: no

Vapour Pressure/gas pressure[KPa] not determined

Density [g/ml] 1,17 (20°C, 68°F)

Bulk density [kg/m³] not applicable

Solubility in water: partially miscible

Partition coefficcient [n-octanol/water] not determined

viscosity > 20,5 mm²/s (40°C)

relative vapour density determined in air not determined

evaporation speed not determined
Melting Point not applicable



# Metal Polish Paste

Date of Issue: 23.05.2019 Revised: 23.05.2019

autoignition temperature [°C] not self-igniting decomposition temperature [°C] not determined

other information none

#### 10. STABILITY AND REACTIVITY

10.1 Reactivity no dangerous reactions known if used as directed

10.3 Possibility of hazardous

reactions

Reactions with oxidizing agents.

Evolution of flammable mixtures possible in air when heated above flash

point and/or during spraying or misting.

10.4 Conditions to avoid Heating

10.5 Incompatible materials oxidizing agent

10.6 Hazardous decomposition

products

No hazardous decomposition products known

### 11 TOXICOLOGICAL INFORMATION

# 11.1 Information on toxicological effects Acute toxicity

hydrocarbons, C13-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics CAS: 64742-47-8	
LD50 dermal, rabbit: > 2000 mg/kg bw.	
LD50 oral, Rat: > 5000 mg/kg bw.	
hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, <2% aromatics CAS: 64742-47-8	
LD50 oral, Rat: 5000 mg/kg bw.	
LD50 dermal, Rat: > 2000 mg/kg bw.	
hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics CAS: 64742-47-8	
LD50 dermal, Rat: > 5000 mg/kg (OECD 402)	
LD50 oral, Rat: >5000 mg/kg (OECD 401)	
LC50, inhalative, Rat: >5000 mg/m³ (8h) (OECD 403)	
Amides, C8-C18 (even numbered), und C 18 unsatd, N,N-Bis(Hydroxyethyl) CAS 68155-07-7	
LD50 dermal, Rat: > 2000 mg/kg	
LD50 oral, Rat: > 5000 mg/kg	
hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, <2% aromatics	
LD50 oral, Rat: >5000 mg/kg (OECD 401)	
LD50 dermal, rabbit: > 5000 mg/kg (OECD 402)	
LC50, inhalative, Rat: >4951 mg/m³ (4h) (OECD 403)	



Date of Issue: 23.05.2019 Metal Polish Paste Revised: 23.05.2019

Ammonia solution CAS: 1336-21-6 LC50, inhalative, mouse: 91 mg/kg (NH3) LD50 oral, Rat: 350 mg/kg (NH3) LC50, inhalative, Rat: 2000 mg/l (NH3) LDLo, oral, Human: 43 mg/kg (NH3)

Based on the available information, the classification criteria are not fulfilled. Serious eye damage/irritation

Toxicological data of complete product are not available.

Skin corrosion/irritation Based on the available information, the classification criteria are not fulfilled.

Toxicological data of complete product are not available.

Respiratory or skin sensitisation Does not contain a relevant substance that meets the classification criteria.

Based on the available information, the classification criteria are not fulfilled.

Based on the available information, the classification criteria are not fulfilled.

Based on the available information, the classification criteria are not fulfilled.

Toxicological data of complete product are not available

Toxicological data of complete product are not available.

Specific target organ toxicity -

single exposure

repeated exposure

Specific target organ toxicity —

Toxicological data of complete product are not available. Calculation method

Mutagenicity Does not contain a relevant substance that meets the classification criteria.

Based on the available information, the classification criteria are not fulfilled.

Toxicological data of complete product are not available.

Reproduction toxicity Does not contain a relevant substance that meets the classification criteria.

Based on the available information, the classification criteria are not fulfilled.

Toxicological data of complete product are not available.

Carcinogenty Does not contain a relevant substance that meets the classification criteria.

Based on the available information, the classification criteria are not fulfilled.

Toxicological data of complete product are not available.

Based on the available information, the classification criteria are not fulfilled Aspiration hazards

General remarks frequent persistent contact with skin can cause skin irritiation

# 12 ECOLOGICAL INFORMATION

12.1 Chronic toxicity

Bestandteil

hydrocarbons, C13-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics CAS: 64742-47-8

NOEC, (96h), Fish: >100mg/l

LL50, (48), Daphnia magna: >100 mg/l

LL50, (96h), Fish: > 100 mg/l

hydrocarbons, C13-C16, iso-alkans, cyclics, < 2 % Aromatics CAS: 64742-47-8

50, (48h), Dahnia magna: >1000 mg/l (OECD 202)



# Metal Polish Paste

Date of Issue: 23.05.2019 Revised: 23.05.2019

11.50 (00h) Fish a 07550 # (050D 000)	
LL50, (96h), Fish: > 87556 mg/l (OECD 203)	
hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics CAS: 64742-47-8	
EL0, (48h), Daphnia magna: 1000 mg/l	
EL0, (72h), Pseudokirchneriella subcapitata: > 1000 mg/l	
LL0, (96h), Oncorhynchus mykiss: 1000 mg/l	
hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, <2% aromatics CAS 68155-07-7	
LC50, Fisch: 2,4 mg/l	
EC50, Daphnia magna, 3,2 mg/l	
IC50 Algen: 3,9 mg/l	
NOEC, (21d), Daphnia Magna: 0,07 mg/l OECD 211	
hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, <2% aromatics	
EL0, (72h), Pseudokirchneriella subcapitata: > 1000 mg/l	
EL0, (48h), Daphnia magna: 0,101 mg/l (Lit)	
NOELR, (72h), Pseudokirchneriella subcapitata: > 1000 mg/l (Lit)	
LL0, (96h), Oncorhynchus mykiss: 1000 mg/l (Lit)	
Ammonia solution CAS 1336-21-6	
LC50, (48h) Daphnia magna, 25,4 mg/l	
LC50, (96h) Daphnia magna, 0,101 mg/l (NH3)	
LC50, (96h) Fish 0,89 mg/l (NH3)	
LC50, (96h), Salmo gairdineri: 0,53 mg/l	
LC50, (96h), Pimephales promelas: >0,7 mg/l	
LC50, (96h), Lepomis macrochirus: > 0,2 mg/l	
LC50, (96h), Cyprinus carpio: 1,1 mg/l	
LC50, (96h), Salmo gairdineri: >0,1 mg/l	

# 12.2 Persistence and degradability

Behaviour in environment not determined

compartments

Behaviour in sewage plant not determined Biological degradability not determined

12.3 Bioaccumulative potential accumulation in organism is not expected

12.4 Mobility in soil Spillages may penetrate the soil causing ground water contamination

12.5 Results of PBT and

Based on all available information not to be classified as PBT or vPvB respectively.

vPvB assessment



# According to (EC) No 1706/2006 (REACH), 1272/2008 and Regulation (EU) 2015/830

# Metal Polish Paste

Date of Issue: 23.05.2019 Revised: 23.05.2019

12.6 Other adverse effects none known

#### 13. Disposal consideration

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

Product Dispose of as hazardous waste.

Disposal in an incineration plant in accordance with the regulations of the local

authorities

Waste no. (recommended) 070601\*

Contaminated packaging Packaging that cannot be cleaned should be disposed of as for product.

Uncontaminated packaging may be taken for recycling

Waste no. (recommended) 150110\*

150102

#### 14. TRANSPORT INFORMATION

#### 14.1 UN Number

Transport by land according to ADR/RID not applicable not applicable not applicable applicable not applicable n

## 14.2 UN proper shipping name

Transport by land according to ADR/RID

Inland navigation (ADN)

NO DANGEROUS GOODS
NO DANGEROUS GOODS

Marine transport in accordance with IMDG
Air transport in accordance with IATA

NOT CLASSIFIED AS " NO DANGEROUS GOODS" NOT CLASSIFIED AS " NO DANGEROUS GOODS"

#### 14.3 Transport hazard class (es)

Transport by land according to ADR/RID

Inland navigation (ADN)

not applicable

Marine transport in accordance with IMDG
Air transport in accordance with IATA

not applicable not applicable not applicable

## 14.4. Packaging group

Transport by land according to ADR/RID

Inland navigation (ADN)

not applicable not applicable

Marine transport in accordance with IMDG
Air transport in accordance with IATA

not applicable

#### 14.5. Environmental hazards

Transport by land according to ADR/RID

Inland navigation (ADN)

no no



# According to (EC) No 1706/2006 (REACH), 1272/2008 and Regulation (EU) 2015/830

Metal Polish Paste

Date of Issue: 23.05.2019 Revised: 23.05.2019

Marine transport in accordance with IMDG no
Air transport in accordance with IATA no

14.6 Special precaution for user

relevant information under SECTION 6 to 8

#### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

#### 15. regulary information

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

**EEC-REGULATIONS** 1991/689 (2001/118); 2010/75; 2004/42; 648/2004; 1907/2006 (REACH); 1272/2008;

75/324/EEC (2008/47/EC); (EU) 2015/830; (EU)2016/131; (EU) 517/2014

TRANSPORT-REGULATIONS DOT-Classification, ADR (2015); IMDG-Code (2015, 37. Amdt.); IATA-DGR (2016).

NATIONAL REGULATIONS (GB): EH40/2005 Workplace exposure limits (Second edition, published December 2011).

CHIP 3/ CHIP 4

- Observe employment restrictions no special measures necessary

for people

- VOC (2010/75/CE) ~25%

15.2 chemical safety assessment not applicable

# 16. OTHER INFORMATIONES:

# 16.1 Hazard statements

(section 03)

H335 May cause respiratory irritation.

H400 Very toxic to aquatic life.

H314 Causes severe skin burns and eye damage. H411 Toxic to aquatic life with long lasting effects.

H 318 Cause serious eye damage H 315 Cause skin irritation

H304 May be fatal if swallowed and enters airways

### 16.2 Abbreviations and acrynoms

ADR = Accord europeen relatif au transport international des marchandises Dangereuses par Route

RID = Réglement concernant le transport international ferroviaire de marchandises dangereuses

ADN = Accord europeen relatif au transport international des marchandises dangereuses par voie de navigation interieure

ATE = acute toxicity estimate

CAS = Chemical Abstracts Service

CLP = Classification, Labelling and Packaging

DMEL = Derived Minimum Effect Level

DNEL = Derived No Effect Level

EC50 = Median effective concentration ECB = European Chemicals Bureau

ECB= European Chemical Bureau

EEC = European Economic Community

EINECS = European Inventory of Existing Commercial Chemical Substances

ELINCS = European List of Notified Chemical Substances



Metal Polish Paste Date of Issue: 23.05.2019

Revised: 23.05.2019

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA =International Air Transport Association

IBC-Code = International Code for the Construction and Equipment of Ships carrying

Dangerous Chemicals in Bulk

IC50 = Inhibition concentration, 50%

IMDG = International Maritime Code for Dangerous Goods

IUCLID = International Uniform Chemical information data base

LC50 = Lethal concentration, 50%

LD50 = Median lethal dose

LC0 = lethal concentration, 0%

LOAEL= lowest-observered-adverse-effect level

MARPOL = International Convention for the Prevention of Marine Pollution from Ships

NOAEL = No observed Adverse Effect level

NOEC = No observed Effect concentration

PBT = Persistent, Bioaccumulative and Toxic substance

PNEC = Predicted No-Effect concentration

REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals

STP = Sewage Treatment Plan

TLV®/TWA = Threshold limit value- time-weighted average TLV®STEL = Threshold limit value- short-time exposure limit VOC =

Volatile Organic Compounds

VOC = Volatile organic compound

vPvB = very Persistent and very Bioaccumulative

#### 16.3 Other information

Classification procedure aquatic Chronic 3: H412 Harmful to aquatic life with long lasting effects. ()

modified position Section 16 been added: General review

This document complements the technical instructions on usage, but does not substitute them. The information contained herein is based, to our best knowledge, on the technical information available on the product up to date. Users are advised that there is an inherent risk associated to the use of the product for differente purposes to those for which it is intended. This document does not exempt, in any way, the user of the product from the duty of fully understanding and applying all regulatory requirements. It is the sole responsability of the receiver of this document to adopt the necessary precautionary measures necessary for the use made of the product. All the information contained herein is provided, exclusively, with the aim of aiding the receiver to comply with his regulatory obligations with regard to the use of dangerous substances. The present list of information must not be considered as exhaustive, not exempting the receiver from adopting other precautions, which may described in documents not mentioned herein, regarding the storage and use of the product, of which the receiver is solely responsible.