

Safety Data Sheet according to Regulation (EC) No 830/2015

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SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifiers: Redesign Wax Paste - Shiny Star

Type of substance: CLP Mixture

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Metallic Wax Paste for hobby of adults.

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture: Classification according to Regulation (EC) No 1272/2008

Asp. Tox. 1; H304 May be fatal if swallowed and enters airways.

Flam. Liq. 3; H226 Flammable liquid and vapour

Skin Irrit. 2; H315 Causes skin irritation.

Skin Sens. 1; H317 May cause an allergic skin reaction.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects

2.2. Label elements:

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms:



Signal Word: Danger

Hazard Statements:

H226 Flammable liquid and vapour

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects

EUH066 Repeated exposure may cause skin dryness or cracking

Precautionary Statements

P102 Keep out of reach of children

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P303+361+353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.
Rinse skin with water/shower.
P331 Do NOT induce vomiting.

Hazardous components which must be listed on the label:

Naphtha (petroleum), hydrotreated heavy (< 0,1 % benzol CAS nr. 71-43-2)
orange terpene (d-limonen)
aluminium powder (stabilized)

2.3 Other hazards:

Not known
The ingredients are not PBR or vPvB substances.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixture:

The details below includes all impurities and by-products that contribute to the product classification or that have an occupational exposure limits.

Hazardous Substance(s): Naphtha (petroleum), hydrotreated heavy (< 0,1 % benzol CAS nr. 71-43-2)

concentration: 15-30 %

EC-No.: 265-150-3

CAS-No.: 64742-48-9

Index-No. : 649-327-00-6

Classification according to Regulation (EC) No 1272/2008 : EUH066, Asp. Tox. 1 H304,
Registration number : 01-2119457273-39-XXXX

Hazardous Substance(s): orange terpene (d-limonen)

concentration: 5-15%

EC-No.: 232-433-8

CAS-No.: 8028-48-6

Classification according to Regulation (EC) No 1272/2008: Flam. Liq. 3 H226, Skin Irrit. 2 H315,
Skin Sens. 1 H317, Asp. Tox. 1 H304, Aquatic Chronic 2 H411

Registration number : 01-2119493353-35-0003

Hazardous Substance(s): aluminium powder (stabilized)

concentration: 9-50 %

EC-No.: 231-072-3

CAS-No.: 7429-90-5

Index-No. : 013-002-00-1

Classification according to Regulation (EC) No 1272/2008 : Flam. Sol. 1 H228

Registration number : 01-2119529243-45

Refer to Section 16 for full details of te hazard statements and Notas.

SECTION 4. FIRST AID MEASURES

4.1 Description of necessary first-aid measures:

General advise:

Take off all contaminated clothing immediately.

Inhalation:

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration Seek medical treatment in case of troubles.

Eye contact:

Remove contact lenses, irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart and seek medical advice.

Skin contact:

Remove contaminated clothing. Wash skin thoroughly with soap and water. When symptoms persist, seek medical attention.

Ingestion:

If accidentally swallowed obtain immediate medical attention. Keep at rest. Do **NOT** induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed:

May be fatal if swallowed and enters airways.

Causes skin irritation.

May cause an allergic skin reaction.

Repeated exposure may cause skin dryness or cracking

4.3 Indication of immediate medical attention and special treatment needed:

Treat symptomatically.

SECTION 5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Waterspray, foam, CO₂, powders

Not to be used : High power water jet.

5.2 Special hazards arising from the substance or mixture

Carbon dioxide, carbon monoxide, carbon hydrides.

Cool closed containers exposed to fire with water. Do not allow run-off from fire fighting to enter drains or water courses. You have to dispose of contaminated extinguishing water according to the regulations of the authorities.

5.3 Advice for firefighters

Wear self-contained breathing apparatus and protective clothing.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Avoid open flames. Provide good ventilation of working area. Avoid breathing dust / fume / gas / mist / vapors / spray.

6.2 Environmental precautions

Do not allow to enter drains or watercourses.

6.3 Methods and materials for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, universal binders and place in container for disposal according to local regulations (see section 13). Provide adequate ventilation.

6.4 Reference to other sections

For personal protection see section 8.

For disposal see section 13.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Provide adequate ventilation. Avoid contact with eyes, skin, clothing. Do not inhale vapours.

Precautions against fire and explosion:

Avoid open flames. Keep away from sources of ignition. - No smoking.

Take precautionary measures against static discharge.

7.2 Conditions for safe storage, including any incompatibilities

Store in well-filled containers, protected from light. Keep container dry.

Keep container tightly closed in a cool, well-ventilated place.

Keep only in the original container. Keep away from oxidizing agents.

7.3 Specific end uses

See section 1.2

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters****Components with workplace control parameters**

7429-90-5 Aluminium: 1.25 mg/m³ (TRGS 900) with reference to the alveolar fraction (AGS, DFG)
General threshold limit value for dust-respirable fraction: 10 mg/m³ with reference to the inhalable fraction. (AGS, DFG)

Derived No Effect Level (DNEL)/Derived Minimal Effect Level (DMEL)**Orange terpene (d-limonen) CAS: 8028-48-6**

DNEL: Workers, Long-term- systemic effects, Skin contact 8,89 mg/kg bw/day

DNEL: Workers, Short-term-local, Skin contact 185,8 microg/cm²

DNEL: Workers, Long-term- systemic effects, Inhalation 31,1 mg/m³

DNEL: Consumers, Long-term- systemic effects, Ingestion 4,44 mg/kg bw/day

DNEL: Consumers, Long-term-systemic effects, Oral 4,44 mg/kg bw/day

DNEL: Consumers, Long-term- systemic effects, Inhalation 7,78 mg/m³.

DNEL: Consumers, Short-term local, Skin contact 92,9 microg/cm².

Derived No Effect Level (DNEL)/Derived Minimal Effect Level (DMEL)**Aluminium powder (stabilized) CAS: 7429-90-5**

DNEL: Workers, Long-term - systemic effects, Inhalation 3,72 mg/m³

DNEL: Workers, Long-term- local, inhalation 3,72 mg/m³

DNEL: Costumer, Long-term - systemic effects, oral 3,95 mg/kg bw/day

Predicted No Effect Concentration (PNEC)**Orange terpene (d-limonen) CAS: 8028-48-6**

Fresh water: 5,4 microg/l

Marine water: 0,54 microg/l

Intermediate release: 5,77 microg/l.

Sewage treatment plant (STP): 2,1 mg/l

Sediment (Fresh water) Related to, dry weight: 1,3 mg/kg

Sediment (Marine water) Related to, dry weight: 0,13 mg/kg

Soil Related to, dry weight: 0,261 mg/kg

Predicted No Effect Concentration (PNEC)**Aluminium powder (stabilized) CAS: 7429-90-5**

Water, depending on chemistry 48-17800 microg/l (environmental)

8.2 Exposure controls**Appropriate engineering controls**

Provide adequate ventilation. Do not inhale vapors.

General protective and hygienic measures:

Wash hands before breaks and after work.

Keep away from foodstuffs, beverages and feed.

Personal protective equipment**Eye/face protection**

Tightly sealed safety glasses according to EN 166.

Skin protection

Protective gloves according to EN 374.

Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure.

Material of gloves: : nitrile rubber, breakthrough time > 480 minute, thickness:: 0,11 mm

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed. If gloves show signs of aging, it should be replaced immediately.

Body Protection

Protective clothing according to EN ISO 20345

Respiratory protection

It is not necessary in case of adequate ventilation.

Environmental exposure controls

Do not flush into surface water or sanitary sewer system.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

- (a) Appearance: paste, colour: depends on pigments
- (b) Odour: mild, fruity
- (c) Odour threshold: not determined
- (d) pH: not determined
- (e) Melting point/freezing point: not determined
- (f) Initial boiling point and boiling range: > 180 C (Naphtha (petroleum), hydrotreated heavy)
- (g) Flash point: not determined, 53,4 C (orange terpene), > 61 C (Naphtha (petroleum), hydrotreated heavy)
- (h) Evaporation rate: not determined
- (i) Flammability (solid, gas): not determined
- (j) Upper/lower flammability or explosive limits: not determined
- (k) Vapour pressure: not determined
- (l) Vapour density: not determined
- (m) Relative density: 0.8-0,9 g/cm³
- (n) Solubility(ies): insoluble in water
- (o) Partition coefficient: n-octanol/water: not determined
- (p) Auto-ignition temperature: not determined
- (q) Decomposition temperature: not determined
- (r) Viscosity: not determined
- (s) Explosive properties: Product is not explosive
- (t) Oxidising properties. no data
- (u) Ignition temperature: > 200 C (judge by components)

9.2 Other information

No data available

SECTION 10. STABILITY AND REACTIVITY**10.1 Reactivity**

No hazardous reactions can be expected under normal handling and storage

10.2 Chemical stability

Stable under recommended storage and handling conditions (see section 7).

10.3 Possibility of hazardous reactions

No dangerous reaction in normal use.

10.4 Conditions to avoid

Heat, sparks, ignition sources

10.5 Incompatible materials

Strong acids, alkalis, oxidizing agents.

10.6 Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, carbon hydrides.

SECTION 11. TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects****(a) Acute toxicity:**

Based on available data, the classification criteria are not met

(b) Skin corrosion/irritation

Causes skin irritation

(c) Serious eye damage/eye irritation

Based on available data, the classification criteria are not met

(d) Respiratory or skin sensitization

May cause an allergic skin reaction

(e) Germ cell mutagenicity

Based on available data, the classification criteria are not met

(f) Carcinogenicity

Based on available data, the classification criteria are not met

(g) Reproductive toxicity

Based on available data, the classification criteria are not met

(h) Specific target organ toxicity - single exposure

Based on available data, the classification criteria are not met

(i) Specific target organ toxicity - repeated exposure

Based on available data, the classification criteria are not met

(j) Aspiration hazard

May be fatal if swallowed and enters airways

Other informations:**Components****64742-48-9 Naphtha (petroleum), hydrotreated heavy:**

Acute toxicity: LD50 (oral, rat): > 5000 mg/kg

LD50 (dermal, rabbit): > 3000 mg/kg

8028-48-6 Orange terpene:

Acute toxicity: LD50 (oral, rat): > 5000 mg/kg

LD50 (dermal, rabbit): > 5000 mg/kg

7429-90-5 aluminiumpor stabilizált:

LD50 (oral, rat): 15900 mg/kg

NOAEC (inhalation, rat): 10 mg/m³

SECTION 12. ECOLOGICAL INFORMATION**12.1 Toxicity**

There are no data available on the preparation itself..

Based on available data and CLP classification Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects

Components:**Orange terpene:**

EC50 (Desmodesmus subspicatus, 72 h): 150 mg/l (OECD 201).

EC50 (Daphnia magna, 48 h): 0,67 mg/l (OECD 202, limonén).

LC50 (Pimephales promelas/fürge cselle, 96 h): 0,7 mg/l (OECD 203).

Do not allow to contaminate the soil, the water systems or the channels

Toxic to aquatic life with long lasting damage

12.2 Persistence and degradability**Components:****Naphtha (petroleum), hydrotreated heavy:**

The product is difficultly biodegradable

Orange terpene:

Readily biodegradable, 72-83,4 % (28 days, OECD 301 B).

12.3 Bioaccumulative potential**Components:****Orange terpene:**

log BKF: 1,502-2,597.

Bioconcentration factor, BCF: 32-156.

12.4 Mobility in soil

No further relevant information available.

12.5 Results of PBT and vPvB assessment

The ingredients are not PBR or vPvB substances.

12.6 Other adverse effects

No further relevant information available.

Additional ecological information:**General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): less hazardous for water

Do not allow product to reach ground water, water course or sewage system.

SECTION 13. DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

Do not allow into drains or water courses.

Wastes and emptied containers should be disposed of in accordance with local regulations.

SECTION 14. TRANSPORT INFORMATION

Transportation for non-hazardous goods.

- 14.1. UN number: Not applicable
- 14.2. UN proper shipping name: Not applicable
- 14.3. Transport hazard class(es): Not applicable
- 14.4. Packing group: Not applicable
- 14.5. Environmental hazards: No
- 14.6. Special precautions for user: Not applicable
- 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code: Not applicable in the transported form.

SECTION 15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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

According to the local regulation.

15.2 Chemical Safety Assessment

Chemical safety assessment has not been carried out.

SECTION 16. OTHER INFORMATION

The classification was carried out according to the following method: 1272/2008/EU Regulation:

Classification and justification

Asp. Tox. 1; H304 calculation method
Aquatic Chronic 3; H412 calculation method
Flam. Liq. 3 H226 estimated value
Skin Irrit. 2; H315 calculation method.
Skin Sens. 1; H317 calculation method

Data Sources:

The previously-classified hazardous materials list
Internet database of chemical substances
Safety data sheets of components

LIST OF RELEVANT H-PHRASES IN SECTION 3

H-Phrases

H226 Flammable liquid and vapour
H228 Flammable solid.
H304 May be fatal if swallowed and enters airways
H315 Causes skin irritation
H317 May cause an allergic skin reaction
H411 Toxic to aquatic life with long lasting effects
EUH066 Repeated exposure may cause skin dryness or cracking

Abbreviations:

Asp. Tox. 1 Aspiration Toxicity, Category 1
Aquatic Chronic 3 Aquatic Chronic, Category 3
Flam. liq. 3 Flammable Liquid, Category 3
Skin Irrit. 2 Skin Irritation, Category 2
Skin Sens. 1 Skin sensitization, Category 1

SCL: Specific Concentration limit
EK / EU European community/European union
EGK European Economic Community

DNEL Derived No Effect Level

PNEC Predicted No Effect Concentration

CLP Regulation on Classification, Labelling and Packaging of Substances and Mixtures /

CAS Chemical Abstracts Service

UN / ENSZ United Nations

ADN Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure

ADR Accord européen relatif au transport international des marchandises Dangereuses par Route

RID Règlement international concernant le transport des marchandises dangereuses par chemin de fer

IMDG International Maritime Code for Dangerous Goods

MARPOL International Convention for the Prevention of Pollution From Ships

IBC Intermediate Bulk Container

IATA International Air Transport Association

ICAO International Civil Aviation Organization

PBT Persistent, Bioaccumulative, Toxic

vPvB very Persistent, very Bioaccumulative

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