Safety Data Sheet

Issue Date: 08/05/20 **Supercedes Date:** 05/23/19

SECTION 1: Identification

1.1. Product identifier
Jewelry Polishing Creme

Product Identification Numbers
ID Numbers
JC03501

1.2. Recommended use and restrictions on use

Recommended use
Hand-applied polishing paste, Residential or Industrial use

1.3. Supplier's details

MANUFACTURER	Flitz International Ltd.	
ADDRESS:	821 Mohr Ave., Waterford, WI	53185, USA
Telephone:	262-534-5898	

1.4. Emergency telephone number: 262-534-5898

SECTION 2: Hazard identification

2.1. Hazard classification
Aquatic Chronic 3: H412 Harmful to aquatic life with long lasting effect

2.2. Label elements
Signal word: None

Symbols: None

Hazard Statements
H412 Harmful to aquatic life with long lasting effect

Precautionary Statements
P273: avoid release to environment
P501: Dispose of the contents/container in accordance to local/ national regulation

Special Labeling
EUH Repeated exposure may cause skin dryness or cracking

2.3 Other Hazards

If swallowed or in the event of vomiting, risk of product entering the lungs
Does not contain any PCT of vBvB substances
Further hazards were not determined with the current level of knowledge

SECTION 3: Composition/information on ingredients

Ingredient	CAS. #	% by Wt
Water	7732-18-5	30-35%
Aluminum Oxide	1344-28-1	30-35%
Oleic Acid - EG 232-832-7	67701-08-0	5-10%
Hydrocarbons, C12-C15, n-alkanes, isoalkanes,cyclics, <2% aromatics EINECS/ELINCS: 920-107-4, Reg-No.: 01-2119453414-43-XXX GHS/CLP : Asp. Tox. 1: H304	64742-47-8	5-10%
Hydrocarbons, C13-C16, iso-alkans , cyclics, < 2 % Aromatics EINECS/ELINCS: 918-973-3, Reg-No.: 01-2119458871-30 GHS/CLP: Asp. Tox. 1: H304	64742-47-8	5-10 %
Hydrocarbons, C13-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics EINECS/ELINCS: 921 -050-8, Reg-No.: 01-2119485032-45-XXXX GHS/CLP: Asp. Tox. 1: H304	64742-47-8	5-10 %
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics EINECS/ELINCS: 926-141-6, EU- Index: 649-422-00-2, Reg. No 01-2119456620, Reg-No. 01- 2119456620-43-0000 GHS/CLP: Asp. Tox. 1· H304	64742-47-8	1-5 %
Hydrocarbons, C13-C15, n-alkanes, isoalkanes, cyclics, <2% aromatics EINECS/ELINCS: 917-488-4 Reg No.: 01-2119458943-27 GHS/CLP: Asp. Tox. 1: H304	64742-47-8	1-5 %
Amides, C8-C18 (even numbered), and C 18 unsatd, N,N-Bis (Hydroxyethyl) EINECS/ELINCS 931-329-6, Reg. No 01-2119490100-53-XXXX GHS/CLP: Skin Irrit. 2. H 315 - Eye- Dam. 1: H318-Aquatic Chronic 2: H 411	68155-07-7	<1%
Ammonia solution EINECS/ELINCS: 215-647-6, EU-INDEX: 0 07-001-01-2, Reg-No.: 01-21194888761-4-XXXX GHS/CLP: Skin Corr. 1B:H314 - Aquatic acute 1:H400 - STOT SE 3: H 335, M = 1	1336-21-6	<1 %

Comment on 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

SECTION 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:
Wash with soap and water. If signs/symptoms develop, get medical attention.

Eye Contact:
Flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing.
If signs/symptoms persist, get medical attention.

If Swallowed:
Rinse mouth. If you feel unwell, get medical attention.

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

Irritant effect, Headache, Vertigo, Drowsiness

4.3. Indication of any immediate medical attention and special treatment required

Treated symptomatically. If swallowed or in the event of vomiting, risk of product entering the lungs.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media: Foam, carbon dioxide, water spray jet, carbon dioxide
Use a fire fighting agent suitable for the surrounding fire.

Extinguishing media that must not be used: Full water jet.

5.2. Special hazards arising from the substance or mixture

Risk of formation of toxic pyrolysis products

5.3. Special protective actions for fire-fighters

Use self-contained breathing apparatus. Cool containers at risk with water spray jet.
First residues and contaminated fire-fighting water must be disposed of in accordance with local regulations.

SECTION 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 protective clothing

6.2. Environmental precautions

Avoid release to the environment. Do not discharge into drains/ surface waters/ groundwater.

6.3. Methods and material for containment and cleaning up

Take up mechanically, send in suitable containers for recovery or disposal.
Dispose of absorbed material in accordance with regulations.

6.4 Reference to other sections: See Sections 8 & 13

SECTION 7: Handling and storage

7.1. Precautions for 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. Conditions for safe storage including any incompatibilities

- 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 heat/overheating.
- Keep container in a well-ventilated place.
- Keep container tightly closed.
-

7.3 Specific end use(s): See product use. SECTION 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Ingredients with occupational exposure limits to be monitored (GB)

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

Ingredients with occupational exposure limits to be monitored (EU)

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/m^3

DNL

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

PNEC

Substance
Amides, C8-18 (even numbered) and C18 unsaid., N,N-bis(hydroxyethyl), CAS: 68155-07-7
Soil: 0,035 mg/kg
Sediment (seawater), 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

8.2. Exposure controls

Exposure controls. **Additional advice on system design.**	Ensure adequate ventilation at workstation. Measurement methods for taking workplace measurements must meet the performance of requirements of DIN EN 482. For examples, recommendations 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/other	Protective clothing. 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.
Respiratory 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 environment by applying appropriate control measures to prevent or limit emissions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Paste
Color	Blue
Odor	Characteristic
Odor Threshold	Not required
pH Value	9-10
pH Value 1%	Not determined
Boiling Point	Not determined
Flash Point	>61°C
Flammability (solid, gas)	Not applicable
Lower & Upper exposure limits	Not determined
Oxidizing properties	No
Vapor pressure/Gas pressure [KPa]	Not determined
Density [g/ml]	1/17 (20°C, 68°F)
Bulk Density	Not applicable
Solubility in water	Partially miscible
Partition coefficient [n-octanol/water]	Not Determined
Viscosity	>20.5 mm^2/s (40°C)
Relative vapor density determined in air	Not determined
Evaporation speed	Not determined
Melting point	Not applicable
Autoignition temperature	Not self-igniting
Decomposition temperature	Not determined
Other information	None

SECTION 10: Stability and reactivity

10.1. Reactivity
No dangerous reactions known if used as directed

10.2. Chemical stability
The product is stable under standard conditions

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 agents

10.6. Hazardous decomposition products

Substance	Condition
None known.	

SECTION 11: Toxicological information

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labeling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

11.1. Information on Toxicological effects

Serious eye damage/irritation	Based on the available information, the classification criteria are not fulfilled. 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 sensitization	Based on the available information, the classification criteria are not fulfilled. Toxicological data of complete product are not available.
Specific target organ toxicity – single exposure	Based on the available information, the classification criteria are not fulfilled. Toxicological data of complete product are not available.
Specific target organ toxicity – repeated exposure	Based on the available information, the classification criteria are not fulfilled. Toxicological data of complete product are not available.
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.
Carcinogenicity	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.
Aspiration Hazards	Based on the available information, the classification criteria are not fulfilled.
General Remarks	Frequent persistent contact with skin can cause skin irritation.

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 (OECD402)
LD50 oral, Rat: >5000 mg/kg (OECD 401)
LC50, inhalative, Rat: >5000 mg/m' (8h) (OECD 403)
Amides, C8-C18 (even numbered), und C 18 unsaid, 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 (OECD402)
LC50, inhalative, Rat: >4951 mg/m' (4h) (OECD 403)

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)

SECTION 12: Ecological information

12.1 Chronic Toxicity

Component
hydrocarbons , C13-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics CAS: 64742-47-8
NOEC, (96h), Fish: >100mgll
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), Daphnia magna: >1000 mg/l (OECD 202)

EL 50, (72h), Pseudokirchneriella subcapitata: > 1000 mg/l
LL50, (96h), Fish > 87556 mg/1 (OECD 203)
hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics , <2% aromatics CAS: 64742-47-8
ELD, (48h), Daphnia magna: 1000 mg/l
ELD, (72h), Pseudokirchneriella subcapilala: > 1000 mg/l
LLD, (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
ELD, (72h), Pseudokirchneriella subcapilala: > 1000 mg/l
ELD, (48h), Daphnia magna: 0,101 mg/l (Lil)
NOELR, (72h), Pseudokirchneriella subcapilata: > 1000 mg/l (Lit)
LLD, (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

12.2 Persistence and degradability

Behavior in environment compartments not determined

Behavior in sewage plant not determined

Biological degradability not determined

12.3 Bio accumulative 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 vPvB assessment Based on all available information not to be classified as PBT or vPvB respectively.

12.6 Other adverse effects none known

SECTION 13: Disposal considerations

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 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

SECTION 14: Transport Information

14.1 UN Number

Transport by land according to AOR/RIO	not applicable
Inland navigation (AON)	not applicable
Marine transport in accordance with IMOG	not applicable
Air transport in accordance with IATA	not applicable

14.2 UN proper shipping name

Transport by land according to AOR/RIO	NO DANGEROUS GOODS
Inland navigation (AON)	NO DANGEROUS GOODS
Marine transport in accordance with IMOG	NOT CLASSIFIED AS “NO DANGEROUS GOODS”
Air transport in accordance with IATA	NOT CLASSIFIED AS “NO DANGEROUS GOODS”

14.3 Transport hazard class (es)

Transport by land according to AOR/RIO	not applicable
Inland navigation (AON)	not applicable
Marine transport in accordance with IMOG	not applicable
Air transport in accordance with IATA	not applicable

14.4. Packaging group

Transport by land according to AOR/RIO	not applicable
Inland navigation (AON)	not applicable
Marine transport in accordance with IMOG	not applicable
Air transport in accordance with IATA	not applicable

14.5. Environmental hazards

Transport by land according to AOR/RIO	no
Inland navigation (AON)	no
Marine transport in accordance with IMOG	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

SECTION 15: Regulatory information

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

EEC-REGULATIONS 1991/689 (2001/1 18); 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); IMD G-Code (2015, 37. Arndt); IATA-DGR (2016).

NATIONAL REGULATIONS (GB): EH40/2005 Workplace exposure limits (2nd edition, published Dec. 2011).
CHIP 3/ CHIP 4

- Observe employment restrictions no special measures necessary for people

- VOC (2010l75/CE) ~25%

15.2 chemical safety assessment not applicable

This SDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.

SECTION 16: Other information

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.
H318 Cause serious eye damage
H315 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 = Reglement concernant le transport international ferroviaire de marchandises dangereuses
AON = 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

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