

SAFETY DATA SHEET

Hema Free Acid Free Primer



Safety Data Sheet dated 12/9/2022, version 1

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Mixture identification:

Trade name: Hema Free Acid Free Primer

Trade code: I154 0000

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

1.3. Details of the supplier of the safety data sheet

Company:

Nails by Annabel Ltd.

Davenport Street, Middleport, Stoke-on-Trent, Staffordshire, ST6 4LN, UK

+44 1782 901012

info@glitterbels.com

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)



Danger, Flam. Liq. 2, Highly flammable liquid and vapour.



Warning, Eye Irrit. 2, Causes serious eye irritation.



Warning, Skin Sens. 1, May cause an allergic skin reaction.



Warning, STOT SE 3, May cause drowsiness or dizziness.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:



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Danger

Hazard statements:

- H225 Highly flammable liquid and vapour.
- H319 Causes serious eye irritation.
- H317 May cause an allergic skin reaction.
- H336 May cause drowsiness or dizziness.

Precautionary statements:

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P264 Wash hands thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P312 Call a POISON CENTER/doctor if you feel unwell.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

None

Contains

ethyl acetate
acetone; propan-2-one; propanone
Glycerol, propoxylated, esters with acrylic acid

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration $\geq 0.1\%$

Other Hazards:

No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification or which have been assigned Occupational Exposure Limits:

Qty	Name	Ident. Number	Classification
< 90%	ethyl acetate	Index number: 607-022-00-5 CAS: 141-78-6 EC: 205-500-4	 2.6/2 Flam. Liq. 2 H225  3.3/2 Eye Irrit. 2 H319  3.8/3 STOT SE 3 H336 EUH066
< 7%	acetone;	Index 606-001-00-8	 2.6/2 Flam. Liq. 2 H225

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	propan-2-one; propanone	number: CAS: 67-64-1 EC: 200-662-2 REACH No.: 01-21194713 30-49	 3.3/2 Eye Irrit. 2 H319  3.8/3 STOT SE 3 H336 EUH066
< 2.5%	Glycerol, propoxylated, esters with acrylic acid	CAS: 52408-84-1 EC: 500-114-5 REACH No.: 01-21194879 48-12	 3.4.2/1 Skin Sens. 1 H317  3.3/2 Eye Irrit. 2 H319

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Remove contaminated clothing immediately and dispose of safely.
After contact with skin, wash immediately with soap and water.

In case of eye contact:

After contact with the eyes, rinse with water with the eyelids open for 15 minutes, then seek prompt medical advice.
Protect uninjured eye.

In case of ingestion:

Do not induce vomiting. Immediately rinse mouth and drink plenty of water. Keep person under observation. If person becomes uncomfortable remove to hospital and bring these instructions.

In case of inhalation:

Remove casualty to fresh air and keep warm and at rest. For breathing difficulties oxygen may be necessary.

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

None

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

In case of accident or experiencing symptoms, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

None

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

CO2 or Dry chemical fire extinguisher.

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

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SECTION 6: Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures
 - For non emergency personnel:
 - Wear personal protection equipment.
 - Remove all sources of ignition.
 - Remove persons to safety.
 - See protective measures under point 7 and 8.
 - For emergency responders:
 - Wear personal protection equipment.
- 6.2. Environmental precautions
 - Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
 - Retain contaminated washing water and dispose of it.
 - In case of escape or of entry into waterways, soil or drains, inform the responsible authorities.
 - Suitable material for taking up: sand, earth, vermiculite etc.
- 6.3. Methods and material for containment and cleaning up
 - Wash with plenty of water.
- 6.4. Reference to other sections
 - See also section 8 and 13

SECTION 7: Handling and storage

- 7.1. Precautions for safe handling
 - Avoid contact with skin and eyes, inhalation of vapours and mists.
 - Ensure empty containers have been cleaned of any residue before reuse.
 - Before transferring product, ensure that there are no traces of incompatible material residues in the containers.
 - See also section 8 for recommended protective equipment.
 - Advice on general occupational hygiene:
 - Contaminated clothing should be changed before entering eating areas.
 - Do not eat or drink while working.
- 7.2. Conditions for safe storage, including any incompatibilities
 - Always keep in a well ventilated place.
 - Store at below 20 °C. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.
 - Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.
 - Avoid accumulating electrostatic charge.
 - Keep away from food, drink and feed.
 - Incompatible materials:
 - None in particular.
 - Instructions as regards storage premises:
 - Cool and adequately ventilated.
 - Safety electric system.
- 7.3. Specific end use(s)
 - See section 1.2
 - None in particular

SECTION 8: Exposure controls/personal protection

- 8.1. Control parameters
 - ethyl acetate
 - OEL Type: EH40/2005 - TWA(8h): 200 ppm - STEL(15min): 400 ppm

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- OEL Type: EU - TWA(8h): 734 mg/m³, 200 ppm - STEL: 1468 mg/m³, 400 ppm
- OEL Type: ACGIH - TWA(8h): 400 ppm - Notes: URT and eye irr
acetone; propan-2-one; propanone
- OEL Type: EU - TWA(8h): 1210 mg/m³, 500 ppm
- OEL Type: ACGIH - TWA(8h): 250 ppm - STEL: 500 ppm - Notes: A4, BEI - URT
and eye irr, CNS impair

DNEL Exposure Limit Values
ethyl acetate
Worker Industry: 734 mg/m³ - Consumer: 367 mg/m³ - Exposure: Human Inhalation -
Frequency: Long Term, systemic effects
Worker Industry: 63 mg/kg - Consumer: 37 mg/kg - Exposure: Human Dermal -
Frequency: Long Term, systemic effects - Endpoint: bw/day
Consumer: 4.5 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic
effects - Endpoint: bw/day
acetone; propan-2-one; propanone
Worker Industry: 186 mg/kg - Consumer: 62 mg/kg - Exposure: Human Dermal -
Frequency: Long Term, systemic effects - Endpoint: bw/day
Worker Industry: 2420 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term,
local effects
Worker Industry: 1210 mg/m³ - Consumer: 200 mg/m³ - Exposure: Human Inhalation -
Frequency: Long Term, systemic effects
Consumer: 62 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic
effects - Endpoint: bw/day

PNEC Exposure Limit Values
ethyl acetate
Target: Fresh Water - Value: 0.24 mg/l
Target: Marine water - Value: 0.024 mg/l
Target: Intermittent releases - Value: 1.65 mg/l
Target: Freshwater sediments - Value: 1.15 mg/kg
Target: Soil (agricultural) - Value: 0.148 mg/kg
acetone; propan-2-one; propanone
Target: Fresh Water - Value: 10.6 mg/l
Target: Marine water - Value: 1.06 mg/l
Target: Freshwater sediments - Value: 3.04 mg/kg
Target: Soil (agricultural) - Value: 33.3 mg/l

8.2. Exposure controls
Eye protection:
Use close fitting safety goggles.
Protection for skin:
Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or
viton.
Protection for hands:
Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or
rubber.
Respiratory protection:
Use adequate protective respiratory equipment.
Thermal Hazards:
None
Environmental exposure controls:
None
Appropriate engineering controls:

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None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes
Physical state:	Liquid	--	--
Colour:	N.A.	--	--
Odour:	N.A.	--	--
Melting point/freezing point:	N.A.	--	--
Boiling point or initial boiling point and boiling range:	N.A.	--	--
Flammability:	Flam. Liq. 2, H225	--	--
Lower and upper explosion limit:	N.A.	--	--
Flash point:	21°C	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
pH:	6	--	--
Kinematic viscosity:	N.A.	--	--
Solubility in water:	N.A.	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient n-octanol/water (log value):	N.A.	--	--
Vapour pressure:	N.A.	--	--
Density and/or relative density:	N.A.	--	--
Relative vapour density:	N.A.	--	--

Particle characteristics:

Particle size:	N.A.	--	--
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9.2. Other information

No other relevant information

SECTION 10: Stability and reactivity

10.1. Reactivity

It may generate dangerous reactions (See subsections below)

10.2. Chemical stability

It may generate dangerous reactions (See subsections below)

10.3. Possibility of hazardous reactions

None

10.4. Conditions to avoid

Avoid accumulating electrostatic charge.

10.5. Incompatible materials

Avoid contact with combustible materials. The product could catch fire.

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10.6. Hazardous decomposition products
None.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological information of the product:

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a) acute toxicity

Not classified

Based on available data, the classification criteria are not met

b) skin corrosion/irritation

Not classified

Based on available data, the classification criteria are not met

c) serious eye damage/irritation

The product is classified: Eye Irrit. 2 H319

d) respiratory or skin sensitisation

The product is classified: Skin Sens. 1 H317

e) germ cell mutagenicity

Not classified

Based on available data, the classification criteria are not met

f) carcinogenicity

Not classified

Based on available data, the classification criteria are not met

g) reproductive toxicity

Not classified

Based on available data, the classification criteria are not met

h) STOT-single exposure

The product is classified: STOT SE 3 H336

i) STOT-repeated exposure

Not classified

Based on available data, the classification criteria are not met

j) aspiration hazard

Not classified

Based on available data, the classification criteria are not met

Toxicological information of the main substances found in the product:

ethyl acetate

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rabbit 4934 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 20000 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 22.5 mg/l

acetone; propan-2-one; propanone

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 5800 mg/kg

Test: LD50 - Route: Skin - Species: Rat = 15800 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat = 76 mg/l

Glycerol, propoxylated, esters with acrylic acid

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg bw

Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg bw

11.2. Information on other hazards

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Endocrine disrupting properties:

No endocrine disruptor substances present in concentration $\geq 0.1\%$

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices to avoid releasing the product into the environment.

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Not classified for environmental hazards

Based on available data, the classification criteria are not met

ethyl acetate

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish 230 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia 165 mg/l - Duration h: 48

Endpoint: LC50 - Species: Algae 5600 mg/l - Duration h: 48

acetone; propan-2-one; propanone

a) Aquatic acute toxicity

Endpoint: LC50 - Species: Oncorhynchus mykiss (rainbow trout) = 5540 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia = 8840 mg/l - Duration h: 48

Glycerol, propoxylated, esters with acrylic acid

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Danio rerio (zebra fish) 5.74 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia 91.4 mg/l - Duration h: 48

Endpoint: EC50 - Species: Desmodesmus subspicatus (green algae) 12.2 mg/l - Duration h: 72

Endpoint: NOEC - Species: Desmodesmus subspicatus (green algae) 2.06 mg/l - Duration h: 72

12.2. Persistence and degradability

ethyl acetate

Biodegradability: Readily biodegradable - %: 69

acetone; propan-2-one; propanone

Biodegradability: Readily biodegradable

Glycerol, propoxylated, esters with acrylic acid

Biodegradability: Readily biodegradable

12.3. Bioaccumulative potential

ethyl acetate

Not bioaccumulative - Test: Kow - Partition coefficient -3

acetone; propan-2-one; propanone

Not bioaccumulative

Glycerol, propoxylated, esters with acrylic acid

Low potential for bioaccumulation.

12.4. Mobility in soil

Glycerol, propoxylated, esters with acrylic acid

Test: Koc 100

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Endocrine disrupting properties

No endocrine disruptor substances present in concentration $\geq 0.1\%$

12.7. Other adverse effects

None

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information



14.1. UN number or ID number

ADR-UN Number: 1993

IATA-UN Number: 1993

IMDG-UN Number: 1993

14.2. UN proper shipping name

ADR-Shipping Name: FLAMMABLE LIQUID, N.O.S. (ethyl acetate, acetone; propan-2-one; propanone)

IATA-Shipping Name: FLAMMABLE LIQUID, N.O.S. (ethyl acetate, acetone; propan-2-one; propanone)

IMDG-Shipping Name: FLAMMABLE LIQUID, N.O.S. (ethyl acetate, acetone; propan-2-one; propanone)

14.3. Transport hazard class(es)

ADR-Class: 3

ADR - Hazard identification number: 33

IATA-Class: 3

IATA-Label: 3

IMDG-Class: 3

14.4. Packing group

ADR-Packing Group: II

IATA-Packing group: II

IMDG-Packing group: II

14.5. Environmental hazards

ADR-Environmental Pollutant: No

IMDG-Marine pollutant: No

IMDG-EmS:	F-E	,	S-E
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14.6. Special precautions for user

ADR-Subsidiary hazards: -

ADR-S.P.: 274 601 640C

ADR-Transport category (Tunnel restriction code): 2 (D/E)

IATA-Passenger Aircraft: 353

IATA-Subsidiary hazards: -

IATA-Cargo Aircraft: 364

IATA-S.P.: A3

IATA-ERG: 3H

IMDG-Subsidiary hazards: -

IMDG-Stowage and handling: Category B

IMDG-Segregation: -

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14.7. Maritime transport in bulk according to IMO instruments
N.A.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Dir. 98/24/EC (Risks related to chemical agents at work)
Dir. 2000/39/EC (Occupational exposure limit values)
Regulation (EC) n. 1907/2006 (REACH)
Regulation (EC) n. 1272/2008 (CLP)
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
Regulation (EU) n. 2020/878
Regulation (EU) n. 286/2011 (ATP 2 CLP)
Regulation (EU) n. 618/2012 (ATP 3 CLP)
Regulation (EU) n. 487/2013 (ATP 4 CLP)
Regulation (EU) n. 944/2013 (ATP 5 CLP)
Regulation (EU) n. 605/2014 (ATP 6 CLP)
Regulation (EU) n. 2015/1221 (ATP 7 CLP)
Regulation (EU) n. 2016/918 (ATP 8 CLP)
Regulation (EU) n. 2016/1179 (ATP 9 CLP)
Regulation (EU) n. 2017/776 (ATP 10 CLP)
Regulation (EU) n. 2018/669 (ATP 11 CLP)
Regulation (EU) n. 2018/1480 (ATP 13 CLP)
Regulation (EU) n. 2019/521 (ATP 12 CLP)
Regulation (EU) n. 2020/217 (ATP 14 CLP)
Regulation (EU) n. 2020/1182 (ATP 15 CLP)
Regulation (EU) n. 2021/643 (ATP 16 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:

Restriction 3

Restriction 40

Restrictions related to the substances contained:

Restriction 75

Where applicable, refer to the following regulatory provisions :

Directive 2012/18/EU (Seveso III)

Regulation (EC) nr 648/2004 (detergents).

Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1

Product belongs to category: P5c

15.2. Chemical safety assessment

A Chemical Safety Assessment has not been carried out for the mixture.

SECTION 16: Other information

Full text of phrases referred to in Section 3:

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

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EUH066 Repeated exposure may cause skin dryness or cracking.
H317 May cause an allergic skin reaction.

Hazard class and hazard category	Code	Description
Flam. Liq. 2	2.6/2	Flammable liquid, Category 2
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Skin Sens. 1	3.4.2/1	Skin Sensitisation, Category 1
STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Flam. Liq. 2, H225	On basis of test data
Eye Irrit. 2, H319	Calculation method
Skin Sens. 1, H317	Calculation method
STOT SE 3, H336	Calculation method

This document was prepared by a competent person who has received appropriate training.
Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre,
Commission of the European Communities
SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van
Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization"

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	(ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
WGK:	German Water Hazard Class.