



Safety Data Sheet
according to
Commission Regulation
(EU) No 2020/878.

Date of revision:
September , 2023

Version 1

1. PRODUCTS AND COMPANY IDENTIFICATION

Product Name: XFN 1400

Synonyms: see section 3

CAS Number: see section 3

EC Number: see section 3

REACH registration No. see section 3

Identification number: see section 3

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

Application of the substance / the mixture: novolac hardener for resins

Uses advised against : none

1.3 Details of the supplier of the safety data sheet

Supplier: Elmira Industrial Supplies ug , akazienstrasse 3A. 10823. Berlin

Further information obtainable from: +491633047733,
sales@elmirasupplies.com

1.4 Emergency telephone number:

Nur zur Information des medizinischen Personals bei akuten Vergiftungen

Österreich	Vergiftungsinformationszentrale	+43 1 406 43 43
------------	---------------------------------	-----------------

Alleen voor het informeren van medisch personeel bij acute vergiftigingen

België	Centre Antipoisons-Antigifcentrum	+32 70 245 245
--------	-----------------------------------	----------------

Само с цел информирание на медицинския персонал в случаи на остри интоксикации

Bulgariya	National Toxicological Information Centre	+359 2 9154 378
-----------	---	-----------------

Pouze za účelem informování zdravotnického personálu v případě akutních intoxikací

Česká rep.	Toxicological Information Centre	+420 22 49 192 93
------------	----------------------------------	-------------------

Kun med det formål at informere medicinsk personale i tilfælde af akut rus

Danmark	Poison Information Center	+45 82 12 12 12
---------	---------------------------	-----------------

Vain lääketieteen henkilöstön informoiseksi akuuteissa päihteissä

Suomi	Finnish Poison Information Centre	+358 9 471977
-------	-----------------------------------	---------------

Uniquement dans le but d'informer le personnel médical en cas d'intoxication aiguë

France	Centre antipoison et de toxicovigilance de Paris	+33 (0)1 40 05 48 48
--------	--	----------------------



Safety Data Sheet
according to
Commission Regulation
(EU) No 2020/878.

Date of revision:
September , 2023

Version 1

Nur zur Information des medizinischen Personals bei akuten Vergiftungen

Deutschland	Informations und Behandlungszentrum für Vergiftungen	+49 6841 192 40
-------------	--	-----------------

Csak az orvosi személyzet tájékoztatása céljából akut mérgezés esetén

Hungary	Health Toxicological Information Service	+36 80 20 11 99
---------	--	-----------------

Only for the purpose of informing medical personnel in cases of acute intoxications

Ireland	Poisons Information Centre of Ireland	+353 1 837 9964
---------	---------------------------------------	-----------------

Solo allo scopo di informare il personale medico in caso di intossicazioni acute

Italia	Centro Antiveleni	+39 02 6610 1029
--------	-------------------	------------------

Alleen voor het informeren van medisch personeel bij acute vergiftigingen

Nederland	Nationaal Vergiftigings Informatie Centrum	+31 (0)30 274 88 88
-----------	--	---------------------

Kun med det formål å informere medisinsk personell i tilfeller av akutt rus

Norge	Norwegian Poisons Information Centre	+47 22 59 13 00
-------	--------------------------------------	-----------------

Wyłącznie w celu poinformowania personelu medycznego w przypadkach ostrych zatruc

Polska	Ośrodek Informacji Toksykologicznej	+48 22 619 66 54
--------	-------------------------------------	------------------

Apenas com o propósito de informar o pessoal médico em casos de intoxicações agudas

Portugal	Centro de Informações Antivenenos	808 250 143
----------	-----------------------------------	-------------

Numai în scopul informării personalului medical în cazurile de intoxicații acute

Romania	TOXAPEL - Paediatric Poison Centre	+402 212 106 282
---------	------------------------------------	------------------

Solo con el fin de informar al personal médico en casos de intoxicaciones agudas.

Spain	Servicio de Información Toxicológica	+34 91 562 0420
-------	--------------------------------------	-----------------

Endast i syfte att informera medicinsk personal i fall av akut missbruk

Sverige	Giftinformationscentralen 112 (national callers);	+46 (0)10 456 6700
---------	---	--------------------

Only for the purpose of informing medical personnel in cases of acute intoxication

United Kingdom	National Poisons Information Service	+844 892 0111
----------------	--------------------------------------	---------------

Ireland	Information Centre of Ireland	+353 1 837 9964
---------	-------------------------------	-----------------

1.5 Trade Name: XFN 1400



Safety Data Sheet
according to
Commission Regulation
(EU) No 2020/878.

Version 1

Date of revision:
September , 2023

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to regulation (EC) No 1272/2008



GHS07 caution
Skin Sens. 1 H317 May cause an
allergic skin reaction
Skin Irrit.2 H315 Causes skin irritation
Acute Tox.4 H312 harmful in contact
with skin



GHS05 corrosion
Eye Dam. 1 H318
Causes serious eye
damage

Information concerning particular hazards for human and environment: void

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The substance is classified and labelled according to the CLP regulation

Hazard pictograms GHS05, GHS07



GHS07



GHS05

Signal word Danger

Hazard-determining components of labelling: Cashew nutshell liq.

Hazard statements


H315 Causes skin irritation

H318 Causes serious eye damage

H317 May cause an allergic skin reaction

H312, Harmful in contact with skin

H412, Harmful to aquatic life with long-lasting effects.

 ExaPhen POLYOLS™	Safety Data Sheet according to Commission Regulation (EU) No 2020/878. Version 1	Date of revision: September , 2023
---	--	---------------------------------------

Precautionary statements


P261 Avoid breathing dust/fume/gas/mist/vapours/spray
P280 Wear protective gloves/protective clothing/eye protection/face protection
P305+P351+P338 IF IN EYES: rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call poison center or doctor/physician
P321 Specific treatment (see on the label)
P501 Dispose of contents/container in accordance with
local/regional/national/international regulations

Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable

	Safety Data Sheet according to Commission Regulation (EU) No 2020/878. Version 1	Date of revision: September , 2023
---	---	------------------------------------

3. COMPOSITION/INFORMATION ON INGREDIENTS.

Description: Mixture of substances listed below with non-hazardous additions.

Classified Component							
Name	EINECS N°	CAS N°	REACH No.	M-Fact or ATE SCL	PBT /WEL	%	CLP Classification
CSNL, decarboxylated	700-991-6	8007-24-7	01-212007448 1-58-0000			<10	Skin Irrit. 2; H315 Eye Dam. 1; H318 Skin Sens. 1; H317 Acu. Tox 4; H312 Aquatic Chr. 3, H412

Non-Classified Component

Polymeric CNSL	na	68583-07-3	na			90-99	-
----------------	----	------------	----	--	--	-------	---

Additional information: For the wording of the listed hazard phrases refer to section 16.

4. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation: Remove victim to fresh air and get medical attention if cough or other symptoms occur.

Skin contact: Wash thoroughly the skin contaminated with soap and water. Get medical attention if irritation develops or persists.


Eye contact: Rinse immediately eyes with plenty of water for at least 15 minutes. Get medical attention if irritation or other symptoms occur.

Ingestion: Rinse mouth with water and get immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment

 ExaPhen ^{POLYOLS™}	Safety Data Sheet according to Commission Regulation (EU) No 2020/878. Version 1	Date of revision: September , 2023
--	--	---------------------------------------

neede No further relevant information available.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable extinguishing agents: Carbon dioxide, powder or water spray

For safety reasons unsuitable extinguishing agents: Water with full jet

5.2 . Special hazards arising from the substance or mixture

In case of fire, carbon monoxide, carbon dioxide, toxic fumes and traces of harmful substances, such as formaldehyde, may be released.

5.3 Advice for fire-fighters

Combustible liquid. Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Provide for sufficient ventilation or respiratory protection and prevent contact with skin and eyes.

6.2 Environmental precautions:


Keep the substance away from drains, surface- and ground-water and soil. Alert authorities and the neighborhood of any leak.

6.3 Methods and material for containment and cleaning up: Clean up leaks by using inert absorbent materials (e.g. sand, diatomaceous earth, sawdust, etc.) as soon as possible. Place collected material into suitable containers for disposal.

6.4 Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

 ExaPhen POLYOLS™	Safety Data Sheet according to Commission Regulation (EU) No 2020/878. Version 1	Date of revision: September , 2023
---	--	---------------------------------------

7. HANDLING AND STORAGE

7.1 Precautions for safe handling:

Use with sufficient ventilation. Avoid contact with skin and eyes. Wash thoroughly after handling. Follow all the precautions reported in safety data sheet even after the container is emptied because it may retain product residues.

Information about fire - and explosion protection: No special measures required

7.2 Conditions for safe storage, including any incompatibilities

Storage:

- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Storage class:** 10

7.3 Specific end use(s)

No further relevant information available.


8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists valid during the making were used as basis.

8.2 Exposure controls

- **Personal protective equipment:**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with the skin.

	<p>Safety Data Sheet according to Commission Regulation (EU) No 2020/878.</p> <p>Version 1</p>	<p>Date of revision: September , 2023</p>
---	--	---

Avoid contact with the eyes and skin.

Respiratory protection:



In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device. Suitable respiratory protective device recommended.

Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:




Tightly sealed goggles

· Body protection:

Protective work clothing

Use protective clothing made of a chemical resistant material.

Safety shoes according to EN-ISO 20345, long trousers and work shirt with long sleeves; for mixing use additional rubber apron and

	<p>Safety Data Sheet according to Commission Regulation (EU) No 2020/878.</p> <p>Version 1</p>	<p>Date of revision: September , 2023</p>
---	--	---

protective boots according to EN 14605.

Overalls / CE Cat III, Type 5/6 hazardous substance and moderate liquid splashes.

· **Limitation and supervision of exposure into the environment**

Use appropriate measures to avoid environmental contamination.

Prevent the product from entering drains, surface water or ground water.

· **Risk management measures**

Usual precautions for handling chemicals should be followed.

General ventilation.

8.3. Environmental Exposure controls (Instructions to prevent Environmental exposure). See Section 6

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Red Brown viscous liquid
Odour	Oily
pH	Not available
Boiling point/range	Not applicable
Flash point	225°C (437°F)
Flammability	Not available
Explosive properties	Not applicable
Vapour pressure	Not available
Relative density	0.95 @ 25°C/25°C (77°F/77°F)
Solubility	Organic solvents
Water solubility	Insoluble



Safety Data Sheet
according to
Commission Regulation
(EU) No 2020/878.

Date of revision:
September , 2023

Version 1

**Partition coefficient:
n-octanol/water** Not available

Viscosity 900 – 1300 cps @ 25°C (77°F)

Vapour density Not available

Evaporation rate Not available

9.2 Other Information

Oxidising properties Not Oxidising

Other Information Not available

10. STABILITY AND REACTIVITY


- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** Avoid contact with strong oxidants and isocyanates.
- **10.6 Hazardous decomposition products:** Carbon monoxide, carbon dioxide, dense smoke

11. TOXICOLOGICAL INFORMATION

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met

LD/LC50 values relevant for classification:

8007-24-7 cashew nut shell oil

 ExaPhen POLYOLS™	Safety Data Sheet according to Commission Regulation (EU) No 2020/878. Version 1	Date of revision: September , 2023
---	--	---------------------------------------

Oral Dermal	LD50 LD50	>2,000 mg/kg (rat) (Acute Oral Toxicity) >2,000 mg/kg (rat) (Acute Dermal Toxicity)
----------------	--------------	--

- **Primary irritant effect:**
- **Skin corrosion/irritation:** Causes skin irritation.
- **Serious eye damage/irritation:** Causes serious eye damage.
- **Respiratory or skin sensitisation:** May cause an allergic skin reaction.

- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- Aspiration hazard** Based on available data, the classification criteria are not met.

11.2 Information on other hazards

Endocrine Disrupting properties: Not classified as endocrine disrupting

Other Information: no data available

12. ECOLOGICAL INFORMATION

12.1 Toxicity

· Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability No further relevant information available.

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

· Additional ecological information:

· **General notes:**

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

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

Must not reach sewage water or drainage ditch undiluted or unneutralised.

Danger to drinking water if even small quantities leak into the ground.

12.5 Results of PBT and vPvB assessment



Safety Data Sheet
according to
Commission Regulation
(EU) No 2020/878.

Date of revision:
September , 2023

Version 1

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

12.6 Endocrine disrupting properties (assessment): Not classed as endocrine disrupting

12.7 Other adverse effects No further relevant information available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

- **Disposal of Product**


Must not be disposed together with household garbage. Do not allow products to reach the sewage system.

- **Disposal of Packaging:** Disposal must be made according to official regulations.

- **Other Information:** not available

14. TRANSPORT INFORMATION

ADR	IMDG	IATA	ADN	RID
14.1 UN number or ID number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.6 Special precautions for user				
Overland transport			Not regulated	
Transport by sea			Not regulated	
Air transport			Not regulated	
Inland waterway transport			Not regulated	

	<p>Safety Data Sheet according to Commission Regulation (EU) No 2020/878.</p> <p>Version 1</p>	<p>Date of revision: September , 2023</p>
---	--	---

Rail transport	Not regulated
14.7. Maritime transport in bulk according to IMO instruments	Not regulated

15. REGULATORY INFORMATION

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

Regulation (EC) No 1005/2009 : contains no substances that deplete the ozone layer

Regulation (EC) No 850/2004: Contains no persistent organic pollutants

Regulation (EC) No 649/2012: Contains no substance subject to regulation concerning the export and import of hazardous chemicals

15.2. Chemical Safety Assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier

16. OTHER INFORMATION

This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2020/878.

*Changes from previous versions indicated by asterisk.

Phrases used in section 2 and section 3:

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

· **Contact:** Quality department

· **Abbreviations and acronyms:**


ADR: Accord relatif au transport international 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 Harmonised System of Classification and Labelling of Chemicals

 ExaPhen POLYOLS™	Safety Data Sheet according to Commission Regulation (EU) No 2020/878. Version 1	Date of revision: September , 2023
---	--	---------------------------------------

EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Skin Sens. 1: Skin sensitisation – Category 1

Legal Disclaimer: This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.