

EUKALIN NA 84020-4Version number: GHS 6
Replaces version of: 2024-10-01 (GHS 5)

Date of compilation: 2025-04-22

SECTION 1: Identification**1.1 Product identifier**

Trade name

EUKALIN NA 84020-4**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Relevant identified uses

PC1

Adhesive

Uses advised against

none

1.3 Details of the supplier of the safety data sheetEUKALIN Corp.
739 Roble Road
PA 18109 Allentown
United StatesTelephone: 610 266 8910
Telefax: 610 266 8957**1.4 Emergency telephone number**

Emergency information service

+49 (0) 240364500

This number is only available during the following
office hours: Mon-Fri 08:00 AM - 04:00 PM,
(CET/MEZ)**SECTION 2: Hazard(s) identification****2.1 Classification of the substance or mixture**

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

This mixture does not meet the criteria for classification.

2.2 Label elements

Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

not required

2.3 Other hazards

Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance at a concentration of $\geq 0.1\%$.

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) in a concentration of $\geq 0.1\%$.**SECTION 3: Composition/information on ingredients****3.1 Substances**

Not relevant (mixture)

3.2 Mixtures

Description of the mixture

Not safety-relevant

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SECTION 4: First-aid measures**4.1 Description of first-aid measures****General notes**

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

Keep affected person warm, still and covered. Provide fresh air. If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions (Where appropriate provide artificial respiration).

Following skin contact

Take off immediately all contaminated clothing. Never use: Solvents IF ON SKIN: Immerse in cool water/wrap in wet bandages.

Following eye contact

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Remove contact lenses, if present and easy to do. Continue rinsing.

Following ingestion

Rinse mouth with water (only if the person is conscious). Get medical advice/attention. Keep affected person warm, still and covered. Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

In all cases of doubt, or when symptoms persist, seek medical advice.

4.3 Indication of any immediate medical attention and special treatment needed

none

SECTION 5: Fire-fighting measures**5.1 Extinguishing media****Suitable extinguishing media**

Fire extinguishing powder, Carbon dioxide (CO₂)

5.2 Special hazards arising from the substance or mixture**Hazardous combustion products**

If inhaled (hazardous decomposition products): Remove person to fresh air and keep comfortable for breathing

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Coordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

Special protective equipment for firefighters

In case of fire: Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures****For non-emergency personnel**

Ventilate affected area. Do not breathe gas/fumes/vapor/spray. Protective measures and code of practice: Section 7/ Section 8.

For emergency responders

Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

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6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

Collect spillage: absorbent material (e.g. sand, diatomaceous earth, acid binder, universal binder, sawdust, etc.)

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area. Never use: Solvents

6.4 Reference to other sections

Precautions for safe handling: Section 7. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Use only in well-ventilated areas.

Advice on general occupational hygiene

Avoid contact with skin and eyes. Take off contaminated clothing. Do not eat, drink and smoke in work areas. Wash hands thoroughly after handling. Wear suitable protective clothing, gloves and eye/face protection (Section 8).

7.2 Conditions for safe storage, including any incompatibilities

Control of the effects

Specific designs for storage rooms or vessels: Keep container tightly closed. Never use pressure to empty container. Keep only in the original container in a cool, well-ventilated place. Prohibition of joint storage (with): Oxidizer, Alkalines, Acids. Please consider the relevant national or regional provisions.

Protect against external exposure, such as

Protect against: UV-radiation/sunlight, Frost

7.3 Specific end use(s)

Observe technical data sheet. Observe instructions for use.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)											
Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Ceiling-C [ppm]	Ceiling-C [mg/m³]	Notation	Source
US	sucrose	57-50-1	REL		10 (10 h)						NIOSH REL
US	sucrose	57-50-1	TLV®		10						ACGIH®

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Occupational exposure limit values (Workplace Exposure Limits)											
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											2024
US	sucrose	57-50-1	PEL		15					dust	29 CFR 1910.10 00
US	sucrose	57-50-1	REL		5 (10 h)					r	NIOSH REL
US	sucrose	57-50-1	PEL		5					r	29 CFR 1910.10 00

Notation

Ceiling-C	ceiling value is a limit value above which exposure should not occur
dust	as dust
r	respirable fraction
STEL	short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)
TWA	time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)

8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection.

Skin protection

- Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

- Type of material

Nitrile

- Material thickness

≥0,1 mm

- Breakthrough times of the glove material

>240 minutes (permeation: level 5)

- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

Consideration of other advice: Section 7.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	liquid
Color	various
Particle	not relevant (liquid)
Odor	characteristic

Other safety parameters

pH (value)	4-10
Melting point/freezing point	this information is not available
Initial boiling point and boiling range	this information is not available
Flash point	this information is not available
Evaporation rate	this information is not available
Flammability (solid, gas)	not relevant

Explosive limits not determined

- Lower explosion limit (LEL)	no information available
- Upper explosion limit (UEL)	no information available
Vapor pressure	this information is not available
Density	1.2 kg/l
Vapor density	this information is not available
Solubility(ies)	no information available

Partition coefficient

- n-octanol/water (log KOW)	this information is not available
Auto-ignition temperature	no information available

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Viscosity

- Kinematic viscosity - 20°C	3,667 mm ² /s
Explosive properties	none
Oxidizing properties	none
9.2 Other information	there is no additional information

SECTION 10: Stability and reactivity

10.1 Reactivity

None

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

Possibility of hazardous reactions: Do not mix with acids. Do not mix with alkali.

10.4 Conditions to avoid

Section 7: Handling and storage.

10.5 Incompatible materials

Do not mix with other chemicals

10.6 Hazardous decomposition products

Hazardous combustion products in case of fire: Carbon dioxide (CO₂), Carbon monoxide (CO), Nitrogen oxides (NO_x).

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

This mixture does not meet the criteria for classification.

Acute toxicity

The classification criteria for these hazard classes are not met.

Skin corrosion/irritation

The classification criteria for this hazard class are not met.

Serious eye damage/eye irritation

The classification criteria for this hazard class are not met.

Respiratory or skin sensitization

The classification criteria for these hazard classes are not met.

Germ cell mutagenicity

The classification criteria for this hazard class are not met.

Carcinogenicity

The classification criteria for this hazard class are not met.

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Reproductive toxicity

The classification criteria for this hazard class are not met.

Specific target organ toxicity - single exposure

The classification criteria for this hazard class are not met.

Specific target organ toxicity - repeated exposure

The classification criteria for this hazard class are not met.

Aspiration hazard

The classification criteria for this hazard class are not met.

SECTION 12: Ecological information**12.1 Toxicity**

Shall not be classified as hazardous to the aquatic environment.

12.2 Persistence and degradability

Data are not available.

12.3 Bioaccumulative potential

Data are not available.

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessmentDoes not contain a PBT-/vPvB-substance at a concentration of $\geq 0.1\%$.**12.6 Endocrine disrupting properties**Does not contain an endocrine disruptor (ED) in a concentration of $\geq 0.1\%$.**12.7 Other adverse effects**

There is no additional information.

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Sewage disposal-relevant information**

Do not empty into drains or surface water. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packages

Completely emptied packages can be recycled (Recycling). Handle contaminated packages in the same way as the substance itself. Disposal: Directive 2008/98/EC on wastes/ hazardous wastes.

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14: Transport information

14.1 UN number	not subject to transport regulations
14.2 UN proper shipping name	not relevant
14.3 Transport hazard class(es)	none

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- 14.4 Packing group** not assigned
- 14.5 Environmental hazards** non-environmentally hazardous acc. to the dangerous goods regulations
- 14.6 Special precautions for user**
There is no additional information.
- 14.7 Transport in bulk according to IMO instruments**
The cargo is not intended to be carried in bulk.

Information for each of the UN Model Regulations

Transport of dangerous goods by road or rail (49 CFR US DOT) - Additional information

Not subject to transport regulations.

International Maritime Dangerous Goods Code (IMDG) - Additional information

Not subject to IMDG.

International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information

Not subject to ICAO-IATA.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

Industry or sector specific available guidance(s)

NPCA-HMIS® III

Hazardous Materials Identification System. American Coatings Association.

Category	Rating	Description
Chronic	/	none
Health	0	no significant risk to health
Flammability	0	material that will not burn under typical fire conditions
Physical hazard	0	material that is normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive
Personal protection	-	

NFPA® 704

National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States).

Category	Degree of hazard	Description
Flammability	0	material that will not burn under typical fire conditions
Health	0	material that, under emergency conditions, would offer no hazard beyond that of ordinary combustible material
Instability	0	material that is normally stable, even under fire conditions
Special hazard		

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15.2 Chemical Safety Assessment

No information available.

SECTION 16: Other information, including date of preparation or last revision

Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
29 CFR 1910.1000	29 CFR 1910.1000, Tables Z-1, Z-2, Z-3 - Occupational Safety and Health Standards: Toxic and Hazardous Substances (permissible exposure limits)
49 CFR US DOT	49 CFR U.S. Department of Transportation
ACGIH® 2024	From ACGIH®, 2024 TLVs® and BEIs® Book. Copyright 2024. Reprinted with permission. Information on the proper use of the TLVs® and BEIs®: http://www.acgih.org/tlv-bei-guidelines/policies-procedures-presentations/tlv-bei-position-statement
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
Ceiling-C	Ceiling value
DGR	Dangerous Goods Regulations (see IATA/DGR)
ED	Endocrine disruptor
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Code
NIOSH REL	National Institute for Occupational Safety and Health (NIOSH): Recommended Exposure Limits (RELs)
NPCA-HMIS® III	National Paint and Coatings Association: Hazardous Materials Identification System - HMIS® III, Third Edition
OSHA	Occupational Safety and Health Administration (United States)
PBT	Persistent, Bioaccumulative and Toxic
PEL	Permissible exposure limit
ppm	Parts per million
STEL	Short-term exposure limit
TLV®	Threshold Limit Values
TWA	Time-weighted average
vPvB	Very Persistent and very Bioaccumulative

Key literature references and sources for data

OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200.

Transport of dangerous goods by road or rail (49 CFR US DOT). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).



SPECIAL-ADHESIVES

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Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

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Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.