

Safety Data Sheet
according to HPR, Schedule 1

Date of issue 08/31/2025

Version number 1

Revision: 08/21/2025

1 Identification

· **Product identifier**

· **Trade name:** 1-NG120

· **Other means of identification**

· **Application of the substance / the mixture** Adhesives

· **Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**

Hottinger Brüel & Kjaer GmbH

Im Tiefen See 45

D-64293 Darmstadt

Germany

Tel: +49 6151 803 0

E-Mail: info@hbkworld.com

<https://www.hbkworld.com>

· **Information department:**

Tel. +49(0)6131 19240

E-Mail support-esa@hbkworld.com

· **Emergency telephone number:**

Canada:

+1 800 332 1414 (Alberta, NW Territories);

+1 866 454 1212 (Saskatchewan);

+1 403 944 1414 (Calgary, outside Alberta, VOIP users)

Poison and Drug Information Services

Foothills Medical Centre

1403 29th Street N.W.

T2N 2T9 Calgary

National Capital Poison Center, U.S.A.:

1-800-222-1222

3201 New Mexico Ave Ste 310

20016 Washington, DC

USA

CHEMTREC: +1 703-741-5970 (24h emergency call).

Outside continental USA please call CHEMTREC at +1-703-527-3887 (R-calls are accepted).

2 Hazard identification

· **Classification of the substance or mixture**



GHS02 Flame

Flammable liquids – Category 2

H225 Highly flammable liquid and vapour.



GHS08 Health hazard

Reproductive Toxicity - Category 2

H361 Suspected of damaging fertility or the unborn child.

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GHS05 Corrosion

Eye damage/irritation – Category 1

H318 Causes serious eye damage.



GHS07

Sensitization - skin – Category 1

H317 May cause an allergic skin reaction.

Specific target organ toxicity (single exposure) – Category 3

H336 May cause drowsiness or dizziness.

· **Label elements**

· **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**



GHS02



GHS05



GHS07



GHS08

· **Signal word** Danger

· **Hazard-determining components of labeling:**

Fumarated rosin

Propanone-2

4-tert-butylphenol

Salicylic acid

· **Hazard statements**

H225 Highly flammable liquid and vapour.

H318 Causes serious eye damage.

H317 May cause an allergic skin reaction.

H361 Suspected of damaging fertility or the unborn child.

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.

P273

Avoid release to the environment.

P280

Wear protective gloves / eye protection / face 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.

· **Additional information:**

Please refer to additional labeling elements in Section 15 of this Safety Data Sheet, if applicable.

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3 Composition/Information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below, possibly with undeclared additives.

- **Dangerous components:**

| | | |
|-----------------------------------|--------------------|--------------------|
| CAS: 67-64-1 RTECS: AL 3150000 | Propanone-2 | 30 - 70% w/w * |
| CAS: 65997-04-8 | Fumarated rosin | 5 - 10% w/w * |
| CAS: 69-72-7 | Salicylic acid | ≥ 1 - < 3% w/w * |
| CAS: 98-54-4 RTECS: SJ 8925000 | 4-tert-butylphenol | ≥ 0.1 - < 1% w/w * |

* Actual concentration ranges are withheld as a trade secret.

4 First-aid measures

- **Description of first aid measures**
- **General information:**
Personal protection for the First Aider.
If symptoms occur or in case of doubt consult a doctor.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
Wash affected areas with plenty of water.
If skin irritation continues, consult a doctor.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
Remove contact lenses if possible.
- **After swallowing:**
Rinse out mouth and then drink plenty of water.
If symptoms persist consult doctor.
- **Most important symptoms and effects, both acute and delayed** Allergic reactions
- **After skin contact:** skin irritation
- **After eye contact:** Risk of serious eye damage
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
Foam, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture**
Inhalation of combustion gases may cause serious health hazards.
In case of fire, the following can be released:
Carbon monoxide and carbon dioxide
Nitrogen oxides (NO_x)
Hydrogen cyanide (HCN)
Hydrocarbons

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- **Advice for firefighters**
- **Protective equipment:**
Wear self-contained respiratory protective device.
Wear protective clothing.
- **Additional information** Remove goods in stock from incendiary zone, if possible.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Keep away from sources of ignition - No smoking.
- **For non-emergency personnel** Avoid contact with the product.
- **For emergency responders** Put on suitable personal protective equipment.
- **Environmental precautions:**
Do not allow to enter drainage system, ground/soil and water bodies.
Dilute with plenty of water.
Inform respective authorities in case of seepage into water course or sewage system.
In case of seepage into the ground inform responsible authorities.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of the collected material according to regulations.
Ensure adequate ventilation.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **Handling:**
Do not eat, drink, smoke or sniff while working.
Avoid contact with the eyes and skin.
Wear suitable protective clothing at work.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
Requirements to be met by storerooms and receptacles: Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Keep receptacle tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
- **Specific end use(s)** No further relevant information available.

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8 Exposure controls/ Personal protection

- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**
 PEL: Permissible Exposure Limit
 REL: Recommended Exposure Limit
 TLV: Threshold Limit Value

67-64-1 Propanone-2

| | |
|----|-------------------------------|
| EL | STEL: 500 ppm TWA: 250 ppm |
| EV | STEL: 750 ppm TWA: 500 ppm |

- **Additional information:** The lists that were valid during the creation were used as basis.
- **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 eyes.
 Avoid contact with the eyes and skin.
- **Breathing equipment:**
 In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
 filter A/P.
- **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

Only use chemical-protective gloves with CE-labeling of category III.

- **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.
 Butyl rubber, BR
 Recommended material thickness: 0.7 mm, breakthrough time: 480 min.
 Nitrile rubber, NBR
 Recommended material thickness: 0.4 mm, breakthrough time: 480 min.
- **Penetration time of glove material**
 The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

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· **Eye protection:**

Safety goggles according to EN 166.



Face protection

· **Body protection:**

Protective work clothing

9 Physical and chemical properties

· **Information on basic physical and chemical properties**· **General Information**

| | |
|---|------------------------------|
| · Physical state | Liquid |
| · Color: | Brown |
| · Odor: | Acetone-like |
| · Odor threshold: | Not determined. |
| · Melting point/Melting range: | Undetermined. |
| · Boiling point/Boiling range: | 56 °C |
| · Flammability: | Highly flammable. |
| · Explosion limits: | |
| · Lower: | Not determined. |
| · Upper: | Not determined. |
| · Flash point: | < -20 °C |
| · Auto igniting: | Product is not selfigniting. |
| · Decomposition temperature: | Not determined. |
| · SADT | |
| · pH-value: | Not determined. |
| · Viscosity: | |
| · Kinematic at 40 °C: | 1.667 mm ² /s |
| · Dynamic: | Not determined. |
| · Solubility in / Miscibility with | |
| · Water: | Slightly soluble. |
| · Segregation coefficient (n-octanol/water): | Not determined. |
| · Vapor pressure: | Not determined. |
| · Density at 20 °C: | 0.9 g/cm ³ |
| · Relative density | Not determined. |
| · Vapor density | Not determined. |
| · Particle characteristics | No further details. |

· **Other information**

| | |
|----------------------|---------|
| · Appearance: | |
| · Form: | Viscous |

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- **Important information on protection of health and environment, and on safety.**
- **Ignition temperature:** Product is not selfigniting.
- **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
- **Solvent content:**
- **Organic solvents:** 40 - 70 %
- **Change in condition**
- **Evaporation rate** Not determined.

10 Stability and reactivity

- **Reactivity** The product is stable under normal handling and storage conditions (dry).
- **Chemical stability** The product is stable under normal handling and storage conditions (see section 7).
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** All sources of ignition: heat, sparks, open flame, electrostatic discharges.
- **Incompatible materials:** Strong oxidizing agents
- **Hazardous decomposition products:**
None in case of intended use and storage in compliance with instructions.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

ATE (Acute Toxicity Estimate)

| | | |
|------|------|----------------------|
| Oral | LD50 | > 29,700 mg/kg (Rat) |
|------|------|----------------------|

67-64-1 Propanone-2

| | | |
|------------|------|--|
| Oral | LD50 | 5,800 mg/kg (Rat) |
| Dermal | LD50 | > 7,426 mg/kg (guinea pig) (21 CFR 191.10) |
| | | > 7,426 mg/kg (Rabbit) (21 CFR 191.10) |
| Inhalative | LC50 | 132 mg/l/3h (Rat) |

65997-04-8 Fumarated rosin

| | | |
|------|------|-------------------|
| Oral | LD50 | 2,000 mg/kg (Rat) |
|------|------|-------------------|

69-72-7 Salicylic acid

| | | |
|------------|------|------------------------------------|
| Oral | LD50 | 891 mg/kg (Rat) (OECD 401) |
| Dermal | LD50 | > 10,000 mg/kg (Rabbit) (OECD 402) |
| Inhalative | LC0 | > 700 mg/l/7h (Rat) |

1314-13-2 zinc oxide

| | | |
|------------|------|--------------------------------|
| Oral | LD50 | > 5,000 mg/kg (Rat) (OECD 401) |
| Inhalative | LC50 | > 5.7 mg/l/4h (Rat) (OECD 403) |

98-54-4 4-tert-butylphenol

| | | |
|------|------|--------------------------------|
| Oral | LD50 | > 2,000 mg/kg (Rat) (OECD 401) |
|------|------|--------------------------------|

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| | | |
|--------|------|------------------------------------|
| Dermal | LD50 | > 16,000 mg/kg (Rabbit) (OECD 402) |
|--------|------|------------------------------------|

- **Primary irritant effect:**
- **on the eye:** Irritating effect.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**

- **Aquatic toxicity:**

67-64-1 Propanone-2

| | |
|----------------|---|
| EC50 | > 10,000 mg/l/24h (Daphnia magna) |
| LC50 (dynamic) | 8,120 mg/l/96h (Pimephales promelas) (OECD 203) |

65997-04-8 Fumarated rosin

| | |
|------|--|
| EC50 | 16 - 1,000 mg/l/48h (aquatic invertebrates) |
| IC50 | 100 - 1,000 mg/l/72h (aquatic algae and cyanobacteria) |
| LC50 | 9,3 - 1,000 mg/l/96h (fish) |

1314-13-2 zinc oxide

| | |
|---------------|--|
| EC50 (static) | 2.6 mg/l/48h (Daphnia magna) (OECD 202) |
| IC50 (static) | 0.136 mg/l/72h (Raphidocelis subcapitata) (OECD 201) |
| LC50 (static) | 0.727 mg/l/96h (Oncorhynchus kisutch) 1.793 mg/l/96h (Brachydariorerio) |
| EC50 (static) | 0.136 mg/l/72h (Raphidocelis subcapitata) |
| NOEC | 0.024 mg/l/72h (Raphidocelis subcapitata) (OECD 201) |

98-54-4 4-tert-butylphenol

| | |
|---------------|---|
| EC50 (static) | 4.8 mg/l/48h (Daphnia magna) (OECD 202) |
| LC50 | > 1 mg/l/96h (Oncorhynchus mykiss) (OECD 203) |
| EC50 (static) | 14 mg/l/72h (Raphidocelis subcapitata) (OECD 201) |

- **Persistence and degradability** No further relevant information available.
- **Other information:** There are no data available about the preparation.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.
- **Remark:** Harmful to fish

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- **Additional ecological information:**

- **General notes:**

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Harmful to aquatic organisms

13 Disposal considerations

- **Waste treatment methods**

- **Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- **Uncleaned packagings:**

- **Recommendation:**

Dispose of packaging according to regulations on the disposal of packagings.

Packagings that cannot be cleansed are to be disposed of in the same manner as the product.

- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

- **UN-Number**

- **DOT/TDG, ADR, IMDG, IATA**

UN1133

- **UN proper shipping name**

- **DOT/TDG**

Adhesives

- **ADR**

1133 Adhesives, special provision 640D

- **IMDG, IATA**

ADHESIVES

- **Transport hazard class(es)**

- **DOT/TDG (Transport dangerous goods):**



- **Class**

3 Flammable liquids

- **Label**

No hazardous good

3

- **ADR**



- **Class**

3 (F1) Flammable liquids

- **Label**

3

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| | |
|---|---|
| · IMDG | |
|  | |
| · Class | 3 Flammable liquids |
| · Label | 3 |
| · IATA | |
|  | |
| · Class | 3 Flammable liquids |
| · Label | Not Restricted 3 |
| · Packing group | II |
| · DOT/TDG, ADR, IMDG, IATA | II |
| · Environmental hazards: | Not applicable. |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · Transport/Additional information: | |
| · DOT/TDG | |
| · Quantity limitations | On passenger aircraft/rail: 5 L On cargo aircraft only: 60 L |
| · ADR | |
| · Excepted quantities (EQ) | Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml |
| · IMDG | |
| · Limited quantities (LQ) | 5L |
| · Excepted quantities (EQ) | Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml |
| · Special precautions for user | Warning: Flammable liquids |
| · Hazard identification number (Kemler code): | 33 |
| · EMS Number: | F-E, S-D |
| · Stowage Category | B |
| · UN "Model Regulation": | UN 1133 ADHESIVES, 3, II |

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
No further relevant information available.

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- **Sara**

- **Section 355 (extremely hazardous substances):**

None of the ingredient is listed.

- **Section 313 (Specific toxic chemical listings):**

1314-13-2 | zinc oxide

- **TSCA (Toxic Substances Control Act):**

All components have the value ACTIVE.

- **Canadian substance listings:**

- **Canadian Domestic Substances List (DSL)**

All ingredients are listed.

- **Canadian Non-Domestic Substances List (NDSL)**

None of the ingredients is listed.

- **Canadian Ingredient Disclosure list (limit 0.1%)**

69-72-7 | Salicylic acid

- **Canadian Ingredient Disclosure list (limit 1%)**

67-64-1 | Propanone-2

1314-13-2 | zinc oxide

- **Per- and polyfluoroalkyl substances (PFAS)**


None of the ingredients is listed.

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

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.

- **Department issuing SDS:**

 **DEKRA** This Safety Data Sheet has been drawn up in cooperation with:
DEKRA Assurance Services GmbH, Hanomagstr. 12, D-30449 Hanover, Germany,
phone: (+49) 511 42079 - 0, reach@dekra.com.

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- **Kit-Components:**

- **Date of preparation** 08/31/2025

- **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

- *** Data compared to the previous version altered.**