

**Safety Data Sheet in accordance with Regulation (EU) 2020/878**

Product Name: Duropont opaque thinner	Version:	2026-05-01
	Replaces Version:	2024-09-22

1 Section 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product Identifier**

Substance name, trade name: Duropont opaque thinner

Identification number: F60<>, 763029670057P

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

Relevant identified use:	Mixture used as a thinner for Duropont opaquer.
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Uses advised against:	Any uses other than those identified
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1.3 Details of the supplier providing the safety data sheet

Manufacturer / Supplier	NOVODENT Ets. Industriestrasse 32 9487 Bendern Liechtenstein
Contact point for technical information	See manufacturer / supplier
Telephone	+423 377 1500
Fax	+423 355 1509
E-mail	frontoffice@novodent.com

1.4 Emergency telephone number

Contact point	Number
NOVODENT Ets.	+423 377 1500
Tox-Zentrum (Schweiz)	+41 44 251 51 51

Safety Data Sheet in accordance with Regulation (EU) 2020/878

2 Section 2: Hazards identification

2.1 Classification of the substance or mixture - Classification according to Regulation (EC) No. 1272/2008

Skin Sens. 1 (H317), Eye Irrit. 2 (H319), Skin Irrit. 2 (H315), Flam. Liq. 2 (H225), STOT SE 3 (H336)

2.2 Labelling elements according to Regulation (EC) No. 1272/2008

Hazard-determining components

Butanon, n-Butylacetat

Pictogram



Signal word: **Danger**

CODE	HAZARD STATEMENTS
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H225	Highly flammable liquid and vapour.
H412	Harmful to aquatic life with long lasting effects.

CODE	PRECAUTIONARY STATEMENTS
P101	If medical advice is needed, have product container or label at hand.
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.
P262	Do not get in eyes, on skin, or on clothing.
P280	Schutzhandschuhe/Schutzkleidung/Augenschutz/Gesichtsschutz tragen.
P302+P352	IF ON SKIN: Wash with plenty of water and soap.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations..
P273	Avoid release to the environment.

Additional labelling elements

None

2.3 Other hazards

PBT or vPvB: Not determined, mixture. May polymerise if overheated.

Safety Data Sheet in accordance with Regulation (EU) 2020/878

3 Section 3: Composition / information on ingredients

3.1 Substances

This product is a mixture as defined in Section 3.2.

3.2 Mixture

Field	Value
Substance name	Butanon
EG-Nr.	201-159-0
CAS-Nr.	78-93-3
Concentration	50-70 %

Classification according to Regulation (EC) No. 1272/2008:

Flam. Liq. 2 (H225), Eye Irrit. 2 (H319), STOT SE 3 (H336)

Feld	Value
Substance name	n-Butylacetat
EG-Nr.	204-658-1
CAS-Nr.	123-86-4
Concentration	10 - 20 %

Classification according to Regulation (EC) No. 1272/2008:

Flam. Liq. 3 (H226), STOT SE 3 (H336)

For the full text of the hazard statements, see Section 16.

Safety Data Sheet in accordance with Regulation (EU) 2020/878

4 Section 4: First aid measures

4.1 Description of first aid measures

After inhalation:

Supply fresh air. Consult a doctor if symptoms persist.

After skin contact:

Wash with water and soap and rinse thoroughly. If skin irritation persists, seek medical advice.

After eye contact:

Remove contact lenses. Rinse immediately with plenty of running water for several minutes, keeping eyelids open. Consult a doctor if symptoms persist.

After ingestion:

Rinse mouth and drink plenty of water. Do not induce vomiting. Seek medical advice if symptoms persist.

4.2 Most important symptoms and effects, both acute and delayed

None known.

4.3 Indication of any immediate medical attention and special treatment needed

No special measures required.

5 Section 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

Carbon dioxide (CO₂), dry powder or water spray. For larger fires, use alcohol-resistant foam or water spray.

Unsuitable extinguishing media:

Water jet.

5.2 Special hazards arising from the substance or mixture

Heating or fire may generate toxic gases.

5.3 Advice for firefighters

Wear self-contained breathing apparatus.

Cool containers exposed to fire with water spray.

Safety Data Sheet in accordance with Regulation (EU) 2020/878

6 Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Schutzausrüstung gemäß Abschnitt 8 verwenden. Ungeschützte Personen fernhalten. Für ausreichende Lüftung sorgen.

6.2 Use personal protective equipment as described in Section 8. Keep unprotected persons away. Ensure adequate ventilation.

Do not allow to enter drains/surface water/groundwater.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid binder, universal binder, sawdust). Ensure adequate ventilation. Keep away from ignition sources.

6.4 Reference to other sections

See Sections 7 and 8 for protective measures.

7 Section 7: Handling and storage

7.1 Precautions for safe handling

Measures to prevent fire and explosion:

Keep away from ignition sources – no smoking. Take measures against electrostatic discharge.

Measures to prevent the formation of dust and aerosols:

Keep containers tightly closed.

Measures to protect the environment:

Prevent the product and larger quantities of contaminated washing water from entering water bodies and soil. Cover drains to prevent product entry.

General hygiene measures:

Do not eat, drink or smoke in working areas.

Wash hands thoroughly after use.

Remove contaminated clothing and protective equipment before entering areas where food is consumed.

Safety Data Sheet in accordance with Regulation (EU) 2020/878

7.2 Conditions for safe storage, including any incompatibilities

Information on storage conditions:

Store between 2 °C and 30 °C (for quality reasons).

Requirements for storage rooms and containers:

Store only in the original container in a cool place protected from light. Electrical equipment in the vicinity must be explosion-proof (Ex-proof).

Storage class:

LGK 3 (flammable liquids)

7.3 Specific end uses

For further information, please refer to our instructions for use. Use is restricted to trained professionals (e.g. dentists, dental technicians).

8 Section 8: Exposure controls / personal protection

8.1 Control parameters

Occupational exposure limit values:

Feld	Wert
Stoffname	Butanon, CAS-Nr.: 78-93-3
AGW (Deutschland)	
Langzeitwert	600 mg/m ³ (200 ppm)
Kurzzeitwert	1200 mg/m ³ (400 ppm)
Kategorie	II(2)
Bemerkungen	DFG, EU, Y

Feld	Wert
Stoffname	n-Butylacetat, CAS-Nr.: 123-86-4
AGW (Deutschland)	
Langzeitwert	300 mg/m ³ (62 ppm)
Kurzzeitwert	600 mg/m ³ (124 ppm)
Kategorie	II(1)
Bemerkungen	DFG, EU, Y

Safety Data Sheet in accordance with Regulation (EU) 2020/878

8.2 Exposure controls

Appropriate engineering controls:

Ensure good ventilation/extraction at the workplace. See Section 7.

Individual protection measures – personal protective equipment:**Eye / face protection:**

Use safety glasses with side protection in accordance with EN 166. Eye wash facilities must be provided in areas with risk of exposure.

Skin protection:**Hand protection:**

Latex gloves are not suitable.

Prolonged exposure:

Glove material: Nitrile rubber (NBR)

Layer thickness: approx. 0.5 mm

Breakthrough time: > 480 minutes

Short-term exposure:

Glove material: Nitrile rubber (NBR)

Layer thickness: approx. 0.1 mm

Breakthrough time: > 30 minutes

Other skin protection:

Wear suitable protective clothing. Skin protection creams can protect exposed areas of skin but must not be applied after exposure has already occurred.

Respiratory protection:

Use respiratory protection in case of insufficient ventilation. For short-term exposure, use a filter device (type A); for intensive or prolonged exposure, use self-contained breathing apparatus.

Recommended filter: A1 / A2 / A3

Thermal hazards (heat/cold protection):

Not required.

Environmental exposure controls:

Avoid release into the environment. See Section 6.

Safety Data Sheet in accordance with Regulation (EU) 2020/878

9 Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Field	Value
Appearance	
Physical state	Liquid
Colour	Colourless
Odour	Characteristic, ketone-like
Odour threshold	No data available
pH value	Not determined
Melting point/freezing point	approx. -86 °C
Initial boiling point and boiling range	approx. 80 °C
Flash point	-6 °C (Cleveland Open Cup)
Evaporation rate	Not determined
Flammability	Highly flammable liquid
Upper/lower explosion limits	1.8 – 11.5 vol.-%
Vapour pressure	Not determined
Vapour density	Not determined
Relative density	approx. 0.80 g/cm ³ at 20 °C
Solubility	270 g/L at 20 °C
Partition coefficient (n-octanol/water)	Not determined
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
Viscosity	0.40 mPa·s at 20 °C
Explosive properties	Formation of explosive vapour/air mixtures possible

9.2 Other information

No further relevant information available.

Safety Data Sheet in accordance with Regulation (EU) 2020/878

10 Section 10: Stability and reactivity

10.1 Reactivity

No further relevant information available.

10.2 Chemical stability

The product is chemically stable under normal ambient conditions (room temperature).

10.3 Possibility of hazardous reactions

Formation of explosive vapour/air mixtures is possible. Reactions with strong oxidising agents. Polymerisation with heat generation may occur.

10.4 Conditions to avoid

Avoid heat and exposure to light. Keep away from ignition sources.

10.5 Incompatible materials

Strong oxidising agents, peroxides and initiators that form free radicals. Avoid contact with certain plastics and rubber.

10.6 Hazardous decomposition products

None known under normal storage and handling conditions.



Safety Data Sheet in accordance with Regulation (EU) 2020/878

11 Section 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

Not classified; based on available data, the classification criteria are not met.

Skin corrosion/irritation:

Causes skin irritation.

Serious eye damage/irritation:

Causes serious eye irritation.

Respiratory or skin sensitisation:

May cause an allergic skin reaction.

Germ cell mutagenicity:

Not classified; based on available data, the classification criteria are not met.

Carcinogenicity:

Not classified; based on available data, the classification criteria are not met.

Reproductive toxicity:

Not classified; based on available data, the classification criteria are not met.

Specific target organ toxicity – single exposure (STOT SE):

May cause drowsiness or dizziness.

Specific target organ toxicity – repeated exposure (STOT RE):

Not classified; based on available data, the classification criteria are not met.

Aspiration hazard:

Not classified; based on available data, the classification criteria are not met.

Toxicological data:

Field	Value
Acute toxicity	
Oral (rat)	LD50 > 2000 mg/kg
Dermal (rabbit)	LD50 > 5000 mg/kg
Inhalation (rat)	LC50 > 20 mg/l (4 h)
Irritation	
Skin	Irritating
Eyes	Irritating
Sensitisation	
Skin	Sensitising

Safety Data Sheet in accordance with Regulation (EU) 2020/878

Additional information:

The information is based on data for the individual components as well as literature data. Repeated or prolonged contact with non-polymerised material may cause irritation of the skin and mucous membranes.

Symptoms and effects (delayed and chronic):

Inhalation of vapours may cause irritation of the respiratory tract. Skin contact may lead to irritation and allergic reactions.

12 Section 12: Ecological information

12.1 Toxicity

Harmful to aquatic life with long lasting effects.

Water hazard class (WGK): 1 (listed classification) – slightly hazardous to water.

Do not allow to enter water bodies or drains.

12.2 Persistence and degradability

The product is readily biodegradable.

12.3 Bioaccumulative potential

Based on the partition coefficient n-octanol/water, bioaccumulation is not expected.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

Not determined.

12.6 Other adverse effects

No further relevant information available.

Safety Data Sheet in accordance with Regulation (EU) 2020/878

13 Section 13: Disposal considerations

13.1 Waste treatment methods

Product:

Dispose of in accordance with local official regulations.

Contaminated packaging:

Dispose of in accordance with local official regulations (landfill or incineration plant).

Waste code according to the European Waste Catalogue (EWC):

150110 hazardous waste

Special precautions:

Do not allow to enter drains.

Relevant EU or other regulations:

No further relevant information available.

14 Section 14: Transport information

14.1 UN-Number

UN 1993

14.2 UN proper shipping name

FLAMMABLE LIQUID, N.O.S. (Butanone, n-butyl acetate)

**ADR/RID:**

Class: 3 LQ 1L, EQ Code E2, D/E

Label: 3

IMGD:

Class: 3

Label: 3

IATA:

Class: 3

Label: 3



Safety Data Sheet in accordance with Regulation (EU) 2020/878

14.3 Packing group

II

14.4 Environmental hazards

ADR/RID:

Not environmentally hazardous.

IMDG:

Not classified as a marine pollutant.

IATA:

Not environmentally hazardous.

14.5 Special precautions for user

The usual precautions for handling flammable liquids must be observed.

14.6 Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable.

15 Section 15: Regulatory information

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

EU regulations:**Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer:**

Not applicable.

Regulation (EU) 2019/1021 on persistent organic pollutants (POP):

Not applicable.

Regulation (EU) No. 649/2012 (PIC Regulation):

Not applicable.

Regulation (EC) No. 648/2004 (Detergents Regulation):

Not applicable.

Restrictions according to Annex XVII of Regulation (EC) No. 1907/2006 (REACH):

Not applicable.

National regulations:**Water hazard class (WGK):**

WGK 1 (slightly hazardous to water)

Seveso III Directive (2012/18/EU):

This product is not subject to the Seveso III Directive.

Safety Data Sheet in accordance with Regulation (EU) 2020/878

15.2 Other information

No chemical safety assessment has been carried out for this mixture.

16 Section 16: Other information

Changes compared to the previous version:

Complete revision and adaptation to a new format. Update of the composition as well as review and revision of the toxicological data based on literature sources.

Abbreviations:

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS	Chemical Abstracts Service
EG	European Community
EN	European Standard
IATA-DGR	International Air Transport Association – Dangerous Goods Regulations
ICAO-TI	International Civil Aviation Organization – Technical Instructions
IMDG-Code	International Maritime Dangerous Goods Code
LC	Lethal concentration
LD	Lethal dose
MARPOL	International Convention for the Prevention of Pollution from Ships
PBT	Persistent, bioaccumulative and toxic
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
UN	United Nations
VOC	Volatile organic compounds
vPvB	Very persistent and very bioaccumulative
WGK	Water hazard class

References and data sources:

Regulations:

REACH Regulation (EC) No. 1907/2006, as last amended by Regulation (EU) 2018/675
CLP Regulation (EC) No. 1272/2008, as last amended by Regulation (EU) 2018/669

Internet:

<https://www.llv.li>
<https://publikationen.dguv.de>
<https://dguv.de/ifa/stoffdatenbank>
<https://www.gischem.de>
<https://echa.europa.eu>
<https://www.ncbi.nlm.nih.gov>

Methods according to Article 9 of Regulation (EC) No. 1272/2008:

Physical hazards: Assessment based on test data



Safety Data Sheet in accordance with Regulation (EU) 2020/878

Health and environmental hazards: Calculation method

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long lasting effects. *(for components)*

Training advice:

Use is carried out by trained professionals (e.g. dentists, dental technicians). No additional specific training is required.

Further information:

This product is part of a multi-component system.

The information in this safety data sheet is based on the current state of knowledge at the time of preparation. It is intended to describe the product with regard to safety requirements and does not constitute a guarantee of properties.

Safety data sheet prepared by:

NOVODENT Ets. (see Section 1.3)

Annex:

Exposure scenarios: Not applicable (not required for mixtures).