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

1.1 Product identifier

Hardwax 21 Aerosol

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

1.2.1 Relevant uses

Corrosion protection

1.2.2 Uses advised against

None known.

1.3 Details of the supplier of the safety data sheet

Company

WAXOYL AG
Seewenweg 5
4153 Reinach / SWITZERLAND
Phone +41-61-28177 94
Fax +41-61-28177 85
Homepage www.waxoyl.com
E-mail info@waxoyl.ch

Address enquiries to

Technical information info@waxoyl.ch

Safety Data Sheet sdb@chemiebuero.de (No dispatch of safety data sheets)

Safety data sheets are available from the supplier.

1.4 Emergency telephone number

Advisory body +49 (0)89-19240 (24h) (English)

Company +41-61-28177 94 Mo-Fr 8:00 - 16:00

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Aerosol 1: H222 Extremely flammable aerosol. H229 Pressurised container: May burst if heated.
Asp. Tox. 1: H304 May be fatal if swallowed and enters airways.
Eye Irrit. 2: H319 Causes serious eye irritation.
STOT SE 3: H336 May cause drowsiness or dizziness.

2.2 Label elements

The product is classified as hazardous in accordance to OSHA Standard 29 CFR 1910.1200 (HCS 2024)

Hazard pictograms




Signal word DANGER

Contains: Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics, CAS 64742-49-0

Butanone, CAS: 78-93-3

Hazard statements

H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

Precautionary statements

P210 Keep away from flames and hot surfaces. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.
P280 Wear eye protection/face protection.
P312 Call a POISON CENTER/doctor if you feel unwell.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.

2.3 Other hazards

Physico-chemical hazards Evolution of flammable mixtures possible in air when heated above flash point and/or during spraying or misting.

Human health dangers Contains no ingredients with endocrine-disrupting properties (≥ 0,1%).

Environmental hazards This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Other hazards Because of the high vapor pressure, containers are liable to burst iftemperature rises.

This product is classified as hazardous in accordance to OSHA Standard 29 CFR 1910.1200.

SECTION 3: Composition / Information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

The product is a mixture.

Range [%]	Substance
10 - < 30	Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics, CAS 64742-49-0
10 - < 25	Butanone
	CAS: 78-93-3
10 - < 25	Propane
	CAS: 74-98-6
5 - < 10	Butane
	CAS: 106-97-8
5 - < 10	iso-Butane
	CAS: 75-28-5
3 - < 5	Naphtha (petroleum), hydrotreated heavy, CAS 64742-48-9
1 - < 3	Hydrocarbons, C9, aromatics
	CAS: 128601-23-0

Comment on component parts For full text of H-statements: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information Take off contaminated clothing and wash before reuse.

Inhalation Remove person to fresh air and keep comfortable for breathing.
In the event of symptoms seek medical treatment.

Skin contact When in contact with the skin, clean with soap and water.
Consult a doctor if skin irritation persists.

Eye contact Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.

Ingestion Seek medical advice immediately.
Do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Drowsiness
Irritant effects

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media

Dry powder.
Water spray jet.
Carbon dioxide.
Foam.

Extinguishing media that must not be used

Full water jet.

5.2 Special hazards arising from the substance or mixture

Risk of formation of toxic pyrolysis products.
Bursting aerosols can be forcibly projected from a fire.

5.3 Advice for firefighters

Use self-contained breathing apparatus.

Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.
Cool containers at risk with water spray jet.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Keep away from all sources of ignition.
Ensure adequate ventilation.
Use personal protective equipment.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up

Take up mechanically.
Take up residues with absorbent material (e.g. sand).
Dispose of absorbed material in accordance within the regulations.

6.4 Reference to other sections

See SECTION 8+13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Use only in well-ventilated areas.
Provide suitable vacuuming at the processing area.

Keep away from all sources of ignition - Refrain from smoking.
Vapors can form an explosive mixture with air.

Do not eat, drink, smoke or take drugs at work.
After worktime and before work breaks the affected skin areas must be thoroughly cleaned.
Use barrier skin cream.
Take off contaminated clothing and wash before reuse.

7.2 Conditions for safe storage, including any incompatibilities

Provide solvent-resistant and impermeable floor.
Prevent penetration into the ground.

Do not store together with oxidizing agents.
Do not store together with food and animal food/diet.

Keep in a cool place, heat causes increase in pressure and risk of bursting.
Keep container in a well-ventilated place.

7.3 Specific end use(s)

See product use, SECTION 1.2

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with occupational exposure limits to be monitored (US)

Substance
Butane
CAS: 106-97-8
Long-term exposure: 800 ppm, 1900 mg/m³, NIOSH
iso-Butane
CAS: 75-28-5
Long-term exposure: 1000 ppm, ACGIH 2011
Propane
CAS: 74-98-6
Long-term exposure: 1000 ppm, 1800 mg/m³, OSHA
Naphtha (petroleum), hydrotreated light, CAS 64742-49-0 (Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane, EC / List no. 921-024-6)

Long-term exposure: 100 ppm, 525 mg/m³, OSHA

DNEL

Substance
Propane, CAS: 74-98-6
There are no DNEL values established for the substance.
Butane, CAS: 106-97-8
There are no DNEL values established for the substance.
Butanone, CAS: 78-93-3
Industrial, inhalative, Long-term - systemic effects, 600 mg/m³
Industrial, dermal, Long-term - systemic effects, 1161 mg/kg bw/day
general population, inhalative, Long-term - systemic effects, 106 mg/m³
general population, dermal, Long-term - systemic effects, 412 mg/kg bw/day
general population, oral, Long-term - systemic effects, 31 mg/kg bw/day
Naphtha (petroleum), hydrotreated heavy, CAS 64742-48-9
Industrial, inhalative, Long-term - systemic effects, 871 mg/m³
Industrial, dermal, Long-term - systemic effects, 77 mg/kg bw/day
general population, inhalative, Long-term - systemic effects, 185 mg/m³
general population, dermal, Long-term - systemic effects, 46 mg/kg bw/day
general population, oral, Long-term - systemic effects, 46 mg/kg bw/day
iso-Butane, CAS: 75-28-5
There are no DNEL values established for the substance.
Hydrocarbons, C9, aromatics, CAS: 128601-23-0
Industrial, dermal, Long-term - systemic effects, 12,5 mg/kg bw/day
Industrial, inhalative (vapor), Long-term - systemic effects, 151 mg/m³
general population, inhalative (vapor), Long-term - systemic effects, 32 mg/m³
general population, dermal, Long-term - systemic effects, 7,5 mg/kg bw/day
general population, oral, Long-term - systemic effects, 7,5 mg/kg bw/day
Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics, CAS 64742-49-0
Industrial, dermal, Acute - systemic effects, 773 mg/kg bw/d
Industrial, inhalative, Acute - systemic effects, 2035 mg/m³
general population, inhalative, Acute - systemic effects, 608 mg/m³
general population, dermal, Acute - systemic effects, 699 mg/kg bw/d
general population, oral, Acute - systemic effects, 699 mg/kg bw/d

PNEC

Substance
Propane, CAS: 74-98-6

There are no PNEC values established for the substance.
Butane, CAS: 106-97-8
There are no PNEC values established for the substance.
Butanone, CAS: 78-93-3
freshwater, 55,8 mg/l
seawater, 55,8 mg/l
sewage treatment plants (STP), 709 mg/l
sediment (freshwater), 284,74 mg/kg sediment dw
sediment (seawater), 284,7 mg/kg sediment dw
soil, 22,5 mg/kg soil dw
Naphtha (petroleum), hydrotreated heavy, CAS 64742-48-9
There are no PNEC values established for the substance.
iso-Butane, CAS: 75-28-5
There are no PNEC values established for the substance.
Hydrocarbons, C9, aromatics, CAS: 128601-23-0
There are no PNEC values established for the substance.
Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics, CAS 64742-49-0
There are no PNEC values established for the substance.

8.2 Exposure controls

Additional advice on system design
Ensure adequate ventilation on workstation.
Measurement methods for taking workplace measurements must meet the performance requirements of DIN EN 482. For example, recommendations are given in the IFA's list of hazardous substances.

Eye protection
Safety glasses. (EN 166:2001)

Hand protection
0,4mm Butyl rubber, >120 min (EN 374-1/-2/-3).
The details concerned are recommendations. Please contact the glove supplier for further information.

Skin protection
Protective clothing (EN 340)

Other
Do not inhale gases/vapors/aerosols.
Avoid contact with eyes and skin.
Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier.

Respiratory protection
In the event of occupational exposure limits being exceeded or of inadequate ventilation: wear appropriate respiratory protection.
Short term: filter apparatus, combination filter A-P2.

Thermal hazards
None

Delimitation and monitoring of the environmental exposition
Protect the environment by applying appropriate control measures to prevent or limit emissions.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Form	aerosol
Color	black
Odor	characteristic
Odor threshold	Not determined
pH-value	Not applicable
pH-value [1%]	Not applicable
Boiling point or initial boiling point and boiling range [°C]	-44.5 (-47°F)
Flash point [°C]	-97 (-142°F)
Flammability	Extremely flammable aerosol.
Lower explosion limit	0.9 Vol.%
Upper explosion limit	11.5 Vol.%
Oxidizing properties	No
Vapor pressure/gas pressure [kPa]	350 (20°C)
Density [g/cm³]	0.80 (20 °C / 68,0 °F)
Relative density	Not determined
Bulk density [kg/m³]	Not applicable
Solubility in water	virtually insoluble
Solubility other solvents	Not applicable
Partition coefficient n-octanol/water (log value)	Not determined
Kinematic viscosity	Not applicable
Relative vapour density	Not applicable
Melting point [°C]	Not applicable
Auto-ignition temperature [°C]	Not applicable
Decomposition temperature [°C]	> 200 (392°F) Not applicable
Particle characteristics	Not applicable

9.2 Other information

None

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reactions known if used as directed.

10.2 Chemical stability

The product is stable under standard conditions.

10.3 Possibility of hazardous reactions

Risk of bursting.
Evolution of flammable mixtures possible in air when heated above flash point and/or during spraying or misting.

10.4 Conditions to avoid

See SECTION 7.2.

10.5 Incompatible materials

Oxidizing agent

10.6 Hazardous decomposition products

Flammable gases/vapors.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute oral toxicity

Product
ATE-mix, oral, > 2000 mg/kg

Substance
Butanone, CAS: 78-93-3
LD50, oral, Rat, 3300 mg/kg (Lit.)
Naphtha (petroleum), hydrotreated heavy, CAS 64742-48-9
LD50, oral, Rat, > 15000 mg/kg (OECD 401)
Hydrocarbons, C9, aromatics, CAS: 128601-23-0
LD50, oral, Rat, 3492 mg/kg
Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics, CAS 64742-49-0
LD50, oral, Rat, > 5840 mg/kg

Acute dermal toxicity

Product
ATE-mix, dermal, > 2000 mg/kg

Substance
Butanone, CAS: 78-93-3
LD50, dermal, Rabbit, 5000 mg/kg (Lit.)
Naphtha (petroleum), hydrotreated heavy, CAS 64742-48-9
LD50, dermal, Rabbit, > 3160 mg/kg (OECD 402)
Hydrocarbons, C9, aromatics, CAS: 128601-23-0
LD50, dermal, Rabbit, 3160 mg/kg
Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics, CAS 64742-49-0
LD50, dermal, Rabbit, > 2800 mg/kg (OECD 402)

Acute inhalational toxicity

Product
ATE-mix, inhalativ (vapor), > 20 mg/l 4h

Substance
Propane, CAS: 74-98-6
LC50, inhalative, Rat, > 1443 mg/l (15 min) (Lit.)
Butane, CAS: 106-97-8
LC50, inhalative, Rat, 1443 mg/L air (15min)
Butanone, CAS: 78-93-3
LC50, inhalative, Rat, 20 mg/l/4h (Lit.)
Naphtha (petroleum), hydrotreated heavy, CAS 64742-48-9
LC50, inhalative, Rat, > 6100 mg/m³ (OECD 403)
iso-Butane, CAS: 75-28-5
LC50, inhalative, Rat, 1443 mg/L
Hydrocarbons, C9, aromatics, CAS: 128601-23-0
LC50, inhalative, Rat, 6,193 mg/L (4h)
Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics, CAS 64742-49-0
LC50, inhalative, Rat, > 23,3 mg/l (4 h) (OECD 403)

Serious eye damage/irritation Irritant
Based on the information available, the classification criteria have been fulfilled.
Toxicological data of complete product are not available.
Calculation method

Substance
Propane, CAS: 74-98-6
Eye, non-irritating
Butane, CAS: 106-97-8
Eye, non-irritating
Butanone, CAS: 78-93-3
Eye, Rabbit, In vivo study, irritant
Naphtha (petroleum), hydrotreated heavy, CAS 64742-48-9
Eye, non-irritating
iso-Butane, CAS: 75-28-5
Eye, non-irritating
Hydrocarbons, C9, aromatics, CAS: 128601-23-0
Eye, non-irritating
Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics, CAS 64742-49-0
Eye, non-irritating

Skin corrosion/irritation

Based on the information available, the classification criteria have not been fulfilled.
Toxicological data of complete product are not available.

Substance
Propane, CAS: 74-98-6
dermal, non-irritating
Butane, CAS: 106-97-8
dermal, non-irritating
Naphtha (petroleum), hydrotreated heavy, CAS 64742-48-9
dermal, non-irritating
iso-Butane, CAS: 75-28-5
dermal, non-irritating
Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics, CAS 64742-49-0
dermal, non-irritating

Respiratory or skin sensitisation

Does not contain any relevant substances fulfilling the classification criteria.
Based on the information available, the classification criteria have not been fulfilled.
Toxicological data of complete product are not available.

Substance
Propane, CAS: 74-98-6
dermal, non-sensitizing
inhalative, non-sensitizing
Butane, CAS: 106-97-8
inhalative, non-sensitizing
dermal, non-sensitizing
Butanone, CAS: 78-93-3
dermal, Guinea pig, OECD 406, non-sensitizing
Naphtha (petroleum), hydrotreated heavy, CAS 64742-48-9
dermal, non-sensitizing
iso-Butane, CAS: 75-28-5
dermal, non-sensitizing
inhalative, non-sensitizing
Hydrocarbons, C9, aromatics, CAS: 128601-23-0
dermal, non-sensitizing
Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics, CAS 64742-49-0
dermal, non-sensitizing

Specific target organ toxicity — single exposure

Vapors may cause drowsiness and dizziness.
Based on the information available, the classification criteria have been fulfilled.
Toxicological data of complete product are not available.

Calculation method

Substance
Propane, CAS: 74-98-6
inhalative, non-irritating
Butane, CAS: 106-97-8
inhalative, non-irritating
iso-Butane, CAS: 75-28-5
inhalative, non-irritating
Hydrocarbons, C9, aromatics, CAS: 128601-23-0
inhalative, adverse effect observed

Specific target organ toxicity — repeated exposure

Does not contain any relevant substances fulfilling the classification criteria.
Based on the information available, the classification criteria have not been fulfilled.
Toxicological data of complete product are not available.

Substance
Butane, CAS: 106-97-8
NOAEC, inhalative, Rat, 4437 mg/m³, The effects observed are not sufficient for classification.
Butanone, CAS: 78-93-3
NOAEC, inhalative, Rat, 14871 mg/kg, OECD 413, no adverse effect observed
Naphtha (petroleum), hydrotreated heavy, CAS 64742-48-9
NOAEL, oral, Rat, 500 mg/kg bw/day, no adverse effect observed
NOAEC, inhalative, Rat, 10400 mg/m³, no adverse effect observed
Hydrocarbons, C9, aromatics, CAS: 128601-23-0
NOAEL, oral, Rat, 600 mg/kg bw/day

Mutagenicity

Does not contain any relevant substances fulfilling the classification criteria.
Based on the information available, the classification criteria have not been fulfilled.
Toxicological data of complete product are not available.

Substance
Butanone, CAS: 78-93-3
in vitro, OECD 471, negativ
Naphtha (petroleum), hydrotreated heavy, CAS 64742-48-9
in vitro, negativ
in vivo, negativ
Hydrocarbons, C9, aromatics, CAS: 128601-23-0
in vitro, negativ
in vivo, negativ

Reproduction toxicity

Does not contain any relevant substances fulfilling the classification criteria.
Based on the information available, the classification criteria have not been fulfilled.
Toxicological data of complete product are not available.

- Fertility

Substance
Butanone, CAS: 78-93-3
NOAEL, oral, Rat, 3122 mg/kg bw/day, no adverse effect observed

- Development

Substance
Butanone, CAS: 78-93-3
NOAEC, inhalative, Rat, 3003 mg/m³, no adverse effect observed
Naphtha (petroleum), hydrotreated heavy, CAS 64742-48-9
NOAEC, inhalative, Rat, 220 mg/m³, no adverse effect observed

Carcinogenicity

Does not contain any relevant substances fulfilling the classification criteria.
Based on the information available, the classification criteria have not been fulfilled.
Toxicological data of complete product are not available.

Aspiration hazard May be fatal if swallowed and enters airways.
Based on the information available, the classification criteria have been fulfilled.

General remarks

The determination of properties hazardous to health does not take the propellant or carrier material into account.

SECTION 12: Ecological information

12.1 Toxicity

Substance
Butane, CAS: 106-97-8
LC50, (96h), Fish, 24,11 - 147,54 mg/L
LC50, (48h), Invertebrates, 14,22 - 69,43 mg/L
EC50, (96h), Algae, 7,71 - 19,37 mg/L
Butanone, CAS: 78-93-3
LC50, (48h), Leuciscus idus, > 100 mg/l (Lit.)
EC50, (48h), Daphnia magna, > 100 mg/l (Lit.)
Naphtha (petroleum), hydrotreated heavy, CAS 64742-48-9
EL50, (48h), Daphnia magna, 22 - 46 mg/l
EL50, (72h), Pseudokirchneriella subcapitata, > 1000 mg/l
NOELR, (72h), Pseudokirchneriella subcapitata, < 1 mg/l
LL50, (96h), Oncorhynchus mykiss, 10 - 30 mg/l
Hydrocarbons, C9, aromatics, CAS: 128601-23-0
EL50, (48h), Daphnia magna, 3,2 mg/L
NOELR, (72h), Pseudokirchneriella subcapitata, 1 mg/l (OECD 201)
LL50, (48h), Oncorhynchus mykiss, 9,22 mg/L
Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics, CAS 64742-49-0
EL50, (72h), Pseudokirchneriella subcapitata, 10 - 30 mg/l
EL50, (48h), Daphnia magna, 4,6 - 10 mg/L
NOELR, (72h), Pseudokirchneriella subcapitata, 10 mg/l
LL50, (96h), Oncorhynchus mykiss, 3-10 mg/L

12.2 Persistence and degradability

Behaviour in environment compartments Not determined

Behaviour in sewage plant Not determined

Biological degradability Not determined

Substance
Butanone, CAS: 78-93-3
(28d), 98 %, OECD 301 D

12.3 Bioaccumulative potential

Accumulation in organisms is not expected.

Substance
Butanone, CAS: 78-93-3
log Kow, < 3

12.4 Mobility in soil

Spillages may penetrate the soil causing ground water contamination.

Substance
Butanone, CAS: 78-93-3
Koc, 15 (20°C)

12.5 Results of PBT and vPvB assessment

Based on all available information not to be classified as PBT or vPvB respectively.

12.6 Endocrine disrupting properties

Contains no ingredients with endocrine-disrupting properties.

12.7 Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Dispose of as hazardous waste.

Contaminated packaging

Packaging that cannot be cleaned should be disposed of as for product.
Uncontaminated packaging may be taken for recycling.

RCRA Hazard Class (40CFR 261)

Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities.

SECTION 14: Transport

14.1 UN number

Transport by land according to ADR/RID	1950
Inland navigation (ADN)	1950
Marine transport in accordance with IMDG	1950
Air transport in accordance with IATA	1950
DOT Road Shipment Information (49 CFR)	1950

14.2 UN proper shipping name

Transport by land according to ADR/RID	Aerosols
- Classification Code	5F
- Label	
- ADR LQ	1 l
- ADR 1.1.3.6 (8.6)	Transport category (tunnel restriction code) 2 (D)
Inland navigation (ADN)	Aerosols
- Classification Code	5F
- Label	
Marine transport in accordance with IMDG	Aerosols
- EMS	F-D, S-U
- Label	
- IMDG LQ	1 l
Air transport in accordance with IATA	Aerosols, flammable
- Label	
DOT Road Shipment Information (49 CFR)	UN/NA 1950 Aerosols 2
- Label	

14.3 Transport hazard class(es)

Transport by land according to ADR/RID	2
Inland navigation (ADN)	2
Marine transport in accordance with IMDG	2.1
Air transport in accordance with IATA	2.1
DOT Road Shipment Information (49 CFR)	2

14.4 Packing group

Transport by land according to ADR/RID	Not applicable
Inland navigation (ADN)	Not applicable
Marine transport in accordance with IMDG	Not applicable
Air transport in accordance with IATA	Not applicable
DOT Road Shipment Information (49 CFR)	Not applicable

14.5 Environmental hazards

Transport by land according to ADR/RID	No
Inland navigation (ADN)	No
Marine transport in accordance with IMDG	No
Air transport in accordance with IATA	No
DOT Road Shipment Information (49 CFR)	No

14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

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

Not applicable

SECTION 15: Regulatory information

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

US Regulations

National regulations	29 CFR 1910.1200-HCS 2012, OSHA-PEL, ACGIH-TLV, NTP, IARC, SARA Title III, NFPA, TSCA, California - Prop. 65
- SARA, 302	This product does not contain any ingredients regulated under this list.
- SARA, 311	This product does not contain any ingredients regulated under this list.
- SARA, 313	Isopropylbenzene This product contain one ingredient regulated under this list.
- CA Proposition 65	Some chemical substances in this material are named in California-P65 list: Isopropylbenzene; Quartz.
- New Jersey RTKHSL	
- TSCA	All chemical substances in this material are included on or exempted from listing on the TSCA Inventory.
- FDA	Not applicable
American Conference of Governmental Industrial Hygienists - ACGIH	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcino-gen by ACGIH.
International Agency for Research on Cancer IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
National Toxicology Program - NTP	Isopropylbenzene, Quartz is named in the NTP - National Toxicology Program.
HAP-VOC	63,8 %
Transport-regulations	DOT-Classification, ADR (2025); IMDG-Code (2025, 42. Amdt.); IATA-DGR (2025)

15.2 Chemical safety assessment

Not applicable

SECTION 16: Other information

16.1 Abbreviations and acronyms:

ACGIH = American Conference of Governmental Industrial Hygienists;
ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route;
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses;
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure;
CAS = Chemical Abstracts Service;
CERCLA = Comprehensive Environmental Response, Compensation and Liability Act;
CFR = Code of Federal Regulations;
CPR = Controlled Products Regulations;
DMEL = Derived Minimum Effect Level;
DNEL = Derived No Effect Level;
DOT = Department of Transportation;
EC50 = Median effective concentration;
EPA = Environmental Protection Agency;
GHS = Globally Harmonized System of Classification and Labelling of Chemicals;
IATA = International Air Transport Association;
IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk;
IC50 = Inhibition concentration, 50%;
IMDG = International Maritime Code for Dangerous Goods;
IARC = International Agency of Research on Cancer;
IATA = International Air Transport Association;
TSCA = Toxic Substance Control Act;
HMIS = Hazardous Materials Identification System;
NFPA = National Fire Protection Association;
NIOSH = National Institute for Occupational Safety and Health;
OSHA = Occupational Safety and Health Administration;
LC50 = Lethal concentration, 50%;
LD50 = Median lethal dose, 50%;
MARPOL = International Convention for the Prevention of Marine Pollution from Ships;
PBT = Persistent, Bioaccumulative and Toxic substance;
PNEC = Predicted No-Effect Concentration;
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals;
SARA = Superfund Amendments and Reauthorization Act;
TLV®/TWA = Threshold limit value – time-weighted average;
TLV®STEL = Threshold limit value – short-time exposure limit;
VOC = Volatile Organic Compounds;
vPvB = very Persistent and very Bioaccumulative;

16.2 Ratings

NFPA Ratings



TOP, FLAMMABILITY: 4 - Extreme Hazard
LEFT, HEALTH: 2 - Moderate Hazard
RIGHT, REACTIVITY: 0 - Minimal Hazard
BOTTOM, SPECIAL NOTICE: FLG - Flammable Gas

HMIS Ratings

HEALTH	2
FLAMMABILITY	4
PHYSICAL HAZARD	0
PERSONAL PROTECTION	X

2 - Moderate Hazard
4 - Extreme Hazard
0 - Minimal Hazard
X - Personal protection rating to be supplied by user depending on use conditions

PERSONAL PROTECTION:

A - Safety Glasses
B - Safety Glasses and Gloves
C - Safety Glasses, Gloves and Protection Apron
D - Face Shield, Gloves and Protection Apron
E - Safety Glasses, Gloves and Dust Respirator
F - Safety Glasses, Gloves, Protection Apron and Dust Respirator
G - Safety Glasses, Gloves and Vapor Respirator.
H - Splash Goggles, Gloves, Protection Apron and Vapor Respirator.
I - Safety Glasses, Gloves, Dust Respirator and Vapor Respirator.
J - Splash Goggles, Gloves, Protection Apron, Dust Respirator and Vapor Respirator.
K - Airline Mask or Hood, Gloves, Full Suit and Boots.
X - Personal protection rating to be supplied by user depending on use conditions

Modified position None

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