SAFETY DATA SHEET

BASE LIQUID

According to Appendix D, OSHA
Hazard Communication Standard 29 CFR §1910.1200

Revision date: 3/16/2022 Revision: 1.0 Supersedes date: 3/16/2022

1. Identification

Product identifier

Product name BASE LIQUID

Recommended use of the chemical and restrictions on use

Application Coverings. Resin Systems. Industrial use. Professional use.

Uses advised against No specific uses advised against are identified. Use only for intended applications.

Details of the supplier of the safety data sheet

Supplier DEKA BOYA SANAYİ VE TİCARET A.Ş.
S.S.İstanbul Mermerciler Küçük San.Sitesi Yapı Koop.
34.Cd.No:3 41490 Dilovası - Kocaeli / TURKEY
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Contact Person Kenan HAYAL – kenan.hayal@sandeco.com.tr

Emergency telephone number

Emergency telephone Call the supplier's phone number.
Company Emergency: +90 (262) 728 10 88

2. Hazard(s) identification

Classification of the substance or mixture

Physical hazards Not Classified

Health hazards Not Classified

Environmental hazards Aquatic Acute 3 - H402

Label elements

Hazard statements H402 Harmful to aquatic life.

Precautionary statements P273 Avoid release to the environment.
P501 Dispose of contents/ container in accordance with national regulations.

Other hazards

This product does not contain any substances classified as PBT or vPvB.

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3. Composition/information on ingredients

Mixtures

1,2-benzisothiazol-3(2H)-one **<0.05%**

CAS number: 2634-33-5 M
factor (Acute) = 10

.

Classification
Acute Tox. 4 - H302
Skin Irrit. 2 - H315
Eye Dam. 1 - H318
Skin Sens. 1 - H317

Aquatic Acute 1 - H400

Mixture of 5-chloro-2-methyl-4-isothiazolin-3-one with 2-methyl-4-isothiazolin-3-one(3:1) **< 0.0015%**

CAS number: 55965-84-9

M factor (Acute) = 100 M factor (Chronic) = 100

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Classification
Acute Tox. 3 - H301
Acute Tox. 2 - H310
Acute Tox. 2 - H330
Skin Corr. 1C - H314
Eye Dam. 1 - H318
Skin Sens. 1A - H317
Aquatic Acute 1 - H400

Aquatic Chronic 1 - H410

The full text for all hazard statements is displayed in Section 16.

4. First-aid measures

Description of first aid measures

General information Get medical attention if any discomfort continues. Show this Safety Data Sheet to the medical personnel.

Inhalation Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
Loosen tight clothing such as collar, tie or belt. Get medical attention if symptoms are severe or persist.

Ingestion Rinse mouth thoroughly with water. Get medical advice/attention if you feel unwell. Do not induce vomiting unless under the direction of medical personnel.

Skin Contact It is important to remove the substance from the skin immediately. In the event of any sensitization symptoms developing, ensure further exposure is avoided. Remove contamination with soap and water or recognized skin cleansing agent. Get medical attention if symptoms are severe or persist after washing.

Eye contact Remove any contact lenses and open eyelids wide apart. Rinse with water. Get medical attention if any discomfort continues.

Protection of first aiders First aid personnel should wear appropriate protective equipment during any rescue.

Most important symptoms and effects, both acute and delayed

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	Coughing. Headache. Dizziness.
Ingestion	May cause discomfort. Nausea, vomiting. Stomach pain.
Skin contact	Overexposure may cause the following adverse effects: Slightly irritating.
Eye contact	No specific symptoms known. May be slightly irritating to eyes.

Indication of immediate medical attention and special treatment needed

Notes for the doctor	Treat symptomatically.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media	Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

Special hazards arising from the substance or mixture

Hazardous combustion products	Thermal decomposition or combustion products may include the following substances: Harmful gases or vapors.

Advice for firefighters

Protective actions during firefighting	Avoid breathing fire gases or vapors. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. If a leak or spill has not ignited, use water spray to disperse vapors and protect men stopping the leak. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Standard Firefighter's clothing including helmets, protective boots and gloves will provide a basic level of protection for chemical incidents.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions	Wear protective clothing as described in Section 8 of this safety data sheet. No action shall be taken without appropriate training or involving any personal risk. Do not touch or walk into spilled material. Avoid inhalation of vapors and contact with skin and eyes.

Environmental precautions

Environmental precautions	Dangerous for the environment. Avoid discharge into drains or watercourses or onto the ground. Inform the relevant authorities if environmental pollution occurs (sewers, waterways, soil or air).

Methods and material for containment and cleaning up

Methods for cleaning up	Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Absorb spillage with non-combustible, absorbent material. The contaminated absorbent may pose the same hazard as the spilled material. Collect and place in suitable waste disposal containers and seal securely. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage.

Reference to other sections	For personal protection, see Section 8. See Section 11 for additional information on health hazards. For waste disposal, see Section 13.

Precautions for safe handling

7. Handling and storage

Usage precautions	Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimize spills. Keep container tightly sealed when not in use. Avoid the formation of mists. Do not reuse empty containers.
Advice on general occupational hygiene	Wash promptly if skin becomes contaminated. Take off contaminated clothing and wash before reuse.

Conditions for safe storage, including any incompatibilities

Storage precautions	Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Protect containers from damage. Store away from incompatible materials (see Section 10).
Storage class	Chemical storage.

Specific end uses(s)

Specific end use(s)	The identified uses for this product are detailed in Section 1.

8. Exposure controls/Personal protection

Control parameters

Occupational exposure limits

Any relevant occupational exposure limits for ingredients are listed.

Exposure controls

Protective equipment

Appropriate engineering controls	Provide adequate ventilation.
Eye/face protection	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment for eye and face protection should comply with OSHA 1910.133.
Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. Frequent changes are recommended. To protect hands from chemicals, gloves should comply with OSHA 1910.138 and be demonstrated to be impervious to the chemical and resist degradation.
Hygiene measures	Wash after use and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product. Use appropriate skin cream to prevent drying of skin. Provide shower facilities near the workplace. Eye wash facilities and emergency shower must be available when handling this product.
Respiratory protection	Provide adequate ventilation. Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible.

Environmental exposure controls Store in a demarcated bunded area to prevent release to drains and/or watercourses.

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9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Liquid.
Color	White.
Odor	Characteristic.
Odor threshold	No information available.
pH	7.5-9.0 Method:(DIN ISO 976)
Melting point	0°C
Initial boiling point and range	100°C
Flash point	> 60°C
Evaporation rate	No information available.
Flammability (solid, gas)	No information available.
Upper/lower flammability or explosive limits	No information available.
Vapor pressure	23.4 hPa @ 20°C
Vapor density	No information available.
Relative density	~ 1.04 g/cm3 @ 20°C Method:(ISO 2811-1)
Solubility(ies)	Partly miscible in water.
Partition coefficient	No information available.
Auto-ignition temperature	No information available.
Decomposition Temperature	No information available.
Viscosity	700-1.500 mPa s @ 23°C Method:(DIN EN ISO 3219)
Explosive properties	No information available.
Oxidizing properties	No information available.
Particle size	<0,1 µm - 10 µm
Solid content	20-30 % Method:(DIN EN ISO 3251)

10. Stability and reactivity

Reactivity	See the other subsections of this section for further details.
Stability	Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.

Possibility of hazardous reactions No potentially hazardous reactions known.

Conditions to avoid	There are no known conditions that are likely to result in a hazardous situation.
Materials to avoid	No specific material or group of materials is likely to react with the product to produce a hazardous situation.

Hazardous decomposition products

Does not decompose when used and stored as recommended

Thermal decomposition or combustion products may include the following substances: Harmful gases or vapors

11. Toxicological information

Information on toxicological effects

Acute toxicity - oral
Notes (oral LD_{50}) Based on available data the classification criteria are not met.

Acute toxicity - dermal

Notes (dermal LD_{50}) Based on available data the classification criteria are not met.

Acute toxicity - inhalation
Notes (inhalation LC_{50}) Based on available data the classification criteria are not met. **Skin corrosion/irritation**

Skin corrosion/irritation Based on available data the classification criteria are not met.

Serious eye damage/irritation
Serious eye damage/irritation Based on available data the classification criteria are not met.

Respiratory sensitization

Respiratory sensitization Based on available data the classification criteria are not met.

Skin sensitization
Skin sensitization Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro Based on available data the classification criteria are not met.

Carcinogenicity
Carcinogenicity Based on available data the classification criteria are not met.
IARC carcinogenicity None of the ingredients are listed or exempt.

Reproductive toxicity
Reproductive toxicity - fertility Based on available data the classification criteria are not met.
Reproductive toxicity - development Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure
STOT - single exposure Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard
Aspiration hazard Based on available data the classification criteria are not met.

Toxicological information on ingredients.

1,2-benzisothiazol-3(2H)-one

Acute toxicity - oral

Notes (oral LD_{50}) ATE oral (mg/kg) LD_{50} 1020 mg/kg, Oral, Rat 500.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC_{50} dust/mist mg/l)	5.71
Species	Rat
ATE inhalation (dusts/mists mg/l)	5.71

Mixture of 5-chloro-2-methyl-4-isothiazolin-3-one with 2-methyl-4-isothiazolin-3-one(3:1)

Acute toxicity - oral

ATE oral (mg/kg)	100.0

Acute toxicity - dermal

ATE dermal (mg/kg)	50.0

Acute toxicity - inhalation

ATE inhalation (vapours mg/l)	0.5

12. Ecological information

Ecotoxicity	Dangerous for the environment.
Toxicity	Harmful to aquatic life.

Ecological information on ingredients.

1,2-benzisothiazol-3(2H)-one

Acute aquatic toxicity

$LE(C)_{50}$	0.01 < L(E)C50 ≤ 0.1
M factor (Acute)	10
Acute toxicity – fish	LC_{50}, 96 hour: 1.6 - 2.8 ppm, Oncorhynchus mykiss (Rainbow trout) LC_{50}, : > 5.9 mg/l, Lepomis macrochirus (Bluegill)
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hour: 4.4 - 4.9 ppm, Daphnia magna
Acute toxicity - aquatic plants EC_{50}, : >	0.07 mg/l, Algae

Mixture of 5-chloro-2-methyl-4-isothiazolin-3-one with 2-methyl-4-isothiazolin-3-one(3:1) Acute aquatic toxicity

$LE(C)_{50}$	0.001 < L(E)C50 ≤ 0.01
M factor (Acute)	100
Acute toxicity - fish	LC_{50}, 96 hour: 0.22 mg/l, Oncorhynchus mykiss (Rainbow trout)

Acute toxicity - aquatic invertebrates	EC_{50}, 48 hour: 0.12 mg/l, Daphnia magna

Chronic aquatic toxicity

M factor (Chronic)	100
NOEC-Aquatic Invertebrates	0.035 mg/l (Daphnia sp.)

Persistence and degradability

Persistence and degradability	The degradability of the product is not known.

Bioaccumulative potential

Bio-Accumulative Potential	No data available on bioaccumulation. **Partition coefficient** No information available.

Ecological information on ingredients.

1,2-benzisothiazol-3(2H)-one

Bio-Accumulative Potential	No potential for bioaccumulation.

Mobility in soil

Mobility	No data available.

Other adverse effects

Other adverse effects	None known.

13. Disposal considerations

Waste treatment methods

General information	The generation of waste should be minimized or avoided wherever possible. When handling waste, the safety precautions applying to handling of the product should be considered. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues and hence be potentially hazardous.
Disposal methods	Do not empty into drains. Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labeled with their contents.
General	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, DOT).

14. Transport information

UN Number

UN No. (International)	Not applicable.
UN No. (DOT)	Not applicable.

UN proper shipping name

Proper shipping name (International)	Not applicable.
Proper shipping name (DOT)	Not applicable.

Transport hazard class(es)

Transport Labels (International)	No transport warning sign required.

DOT transport labels
No transport warning sign required.

Packing group

Packing group (International)	Not applicable.
DOT packing group	Not applicable.

Environmental hazards

Environmentally Hazardous Substance
No.

Special precautions for user

Not applicable.

DOT reportable quantity	Not applicable.
DOT TIH Zone	Not applicable.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.

15. Regulatory information

US Federal Regulations

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities
None of the ingredients are listed or exempt.

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)
None of the ingredients are listed or exempt.

SARA Extremely Hazardous Substances EPCRA Reportable Quantities
None of the ingredients are listed or exempt.

SARA 313 Emission Reporting
None of the ingredients are listed or exempt.

CAA Accidental Release Prevention
None of the ingredients are listed or exempt.

FDA - Essential Chemical
None of the ingredients are listed or exempt.

FDA - Precursor Chemical
None of the ingredients are listed or exempt.

SARA (311/312) Hazard Categories
None of the ingredients are listed or exempt.

OSHA Highly Hazardous Chemicals
None of the ingredients are listed or exempt. **US**

State Regulations

California Proposition 65 Carcinogens and Reproductive Toxins
None of the ingredients are listed or exempt.

California Air Toxics "Hot Spots" (A-I)
None of the ingredients are listed or exempt.

California Air Toxics "Hot Spots" (A-II)
None of the ingredients are listed or exempt.

California Directors List of Hazardous Substances
None of the ingredients are listed or exempt.

Massachusetts "Right To Know" List
None of the ingredients are listed or exempt.

Rhode Island "Right To Know" List
None of the ingredients are listed or exempt.

Minnesota "Right To Know" List
None of the ingredients are listed or exempt.

New Jersey "Right To Know" List
None of the ingredients are listed or exempt.

Pennsylvania "Right To Know" List
None of the ingredients are listed or exempt.

Inventories

US - TSCA
The following ingredients are listed or exempt:

1,2-benzisothiazol-3(2H)-one

2-methyl-2H-isothiazol-3-one

US - TSCA 12(b) Export Notification
The following ingredients are listed or exempt:

2-methyl-2H-isothiazol-3-one

16. Other information

Abbreviations and acronyms used in the safety data sheet

TDG: The transport of dangerous goods act

IATA: International air transport association.
ICAO: Technical instructions for the safe transport of dangerous goods by air. IMDG: International maritime dangerous goods.
CAS: Chemical abstracts service.
ATE: Acute toxicity estimate.
LC_{50} : Lethal concentration to 50 % of a test population.
LD_{50} : Lethal dose to 50% of a test population (median lethal dose).
EC_{50} : 50% of maximal effective concentration.
PBT: Persistent, bioaccumulative and toxic substance. vPvB: Very persistent and very bioaccumulative.

Aquatic Acute = Hazardous to the aquatic environment (acute)

Classification abbreviations and acronyms

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Key literature references and sources for data	Source: European Chemicals Agency, http://echa.europa.eu/ This SDS is prepared based on the information and documents received from product owner. CRAD or/and SDS author shall not be responsible for incorrect preapared of SDS and pecuniary loss or intangible damages because of deficient or wrong information and documents which comes from product owner.
Training advice	Only trained personnel should use this material.
Revision comments	This is the first issue.
Issued by	Bülent Özdemir / CRAD www.crad.com.tr gbf@crad.com.tr
Revision date	3/16/2022
Revision	1.0
Supersedes date	3/16/2022
SDS No.	12567
Hazard statements in full	H301 Toxic if swallowed. H302 Harmful if swallowed. H310 Fatal in contact with skin. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H330 Fatal if inhaled. H400 Very toxic to aquatic life. H402 Harmful to aquatic life. H410 Very toxic to aquatic life with long lasting effects.