

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/16/2023

Reviewed on 05/16/2023

1 Identification

- **Product identifier**
- **Trade name:** INTERCOLL D 3460
- **Application of the substance / the mixture** Adhesives
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Loba-Wakol, LLC
2732 Hwy 74 West
Wadesboro, NC 28170, USA
info@loba-wakol.com
+1 704 527 5919
- **Information department:** Product safety department.
- **Emergency telephone number:**
Emergency CONTACT (24-Hour-Number)
GBK/Infotrac ID 98229: (USA domestic) 1 800 535 5053 or
International (001) 352 323 3500

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS08 Health hazard

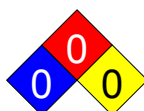
Specific Target Organ Toxicity - Repeated Exposure 2 H373 May cause damage to the respiratory tract through prolonged or repeated exposure. Route of exposure: Inhalation.

- **Label elements**
- **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



GHS08

- **Signal word** Warning
- **Hazard statements**
May cause damage to the respiratory tract through prolonged or repeated exposure. Route of exposure: Inhalation.
- **Precautionary statements**
Do not breathe dust/fume/gas/mist/vapors/spray.
Get medical advice/attention if you feel unwell.
Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



Health = 0
Fire = 0
Reactivity = 0

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· **HMIS-ratings (scale 0 - 4)**

HEALTH	0	Health = 0
FIRE	0	Fire = 0
REACTIVITY	0	Reactivity = 0

- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Description: Adhesive**

· **Dangerous components:**

56-81-5 glycerol	>5–≤10%
61790-50-9 Resin acids and Rosin acids, potassium salts	>1–≤2.5%
⚠ Eye Irritation 2A, H319	
61790-51-0 Sodium salt of resinous acids	>1–≤2.5%
⚠ Eye Irritation 2A, H319	
7664-38-2 phosphoric acid	>0.25–≤1%
⚠ Skin Corrosion 1B, H314; Eye Damage 1, H318; ⚠ Acute Toxicity - Oral 4, H302	
1310-58-3 potassium hydroxide	>0.25–≤1%
⚠ Corrosive to Metals 1, H290; Skin Corrosion 1A, H314; ⚠ Acute Toxicity - Oral 4, H302	
2634-33-5 1,2-benzisothiazol-3(2H)-one	<0.03%
⚠ Eye Damage 1, H318; ⚠ Acute Toxicity - Oral 4, H302; Skin Irritation 2, H315; Sensitization - Skin 1, H317	
55965-84-9 a mixture of: 5-chloro-2-methyl-2 H -isothiazol-3-one [EC No 247-500-7] and 2-methyl-2 H -isothiazol-3-one [EC No 220-239-6] (3:1)	<0.001%
⚠ Acute Toxicity - Oral 3, H301; Acute Toxicity - Dermal 2, H310; Acute Toxicity - Inhalation 2, H330; ⚠ Skin Corrosion 1C, H314; Eye Damage 1, H318; ⚠ Sensitization - Skin 1A, H317	

4 First-aid measures

· **Description of first aid measures**

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.

· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

· **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing:** Do not induce vomiting; immediately call for medical help.

· **Information for doctor:**

· **Most important symptoms and effects, both acute and delayed** No further relevant information available.

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- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information**
Collect contaminated fire fighting water separately. It must not enter the sewage system.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**
Do not allow product to reach sewage system or any water course.
Dilute with plenty of water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to section 13.
- **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

- **Handling:**
- **Precautions for safe handling** Ensure that suitable extractors are available on processing machines
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Protect from frost.
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

- **Additional information about design of technical systems:** No further data; see section 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**
The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.
At this time, the other constituents have no known exposure limits.
- **56-81-5 glycerol**
PEL (USA) Long-term value: 15* 5** mg/m³
mist; *total dust **respirable fraction
TLV (USA) TLV withdrawn-insufficient data human occup. exp.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
Wash hands before breaks and at the end of work.
- **Breathing equipment:**
Only during spraying without adequate removal by suction.
Use suitable respiratory protective device only when aerosol or mist is formed.
If the occupational exposure limit is exceeded.
- **Recommended filter device for short term use:** Filter P2
- **Protection of hands:**



Protective gloves

Preventive skin protection by use of skin-protecting agents is recommended.

- **Material of gloves**
Nitrile rubber, NBR
Recommended thickness of the material: ≥ 0.35 mm
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.
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**



Tightly sealed goggles

- **Body protection:** Protective work clothing

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9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
 - Form:** Fluid
 - Color:** According to product specification
- **Odor:** Characteristic
- **Odor threshold:** Not determined.
- **pH-value at 20 °C (68 °F):** 7.65
- **Change in condition**
 - Melting point/Melting range:** Undetermined.
 - Boiling point/Boiling range:** 100 °C (212 °F)
- **Flash point:** Not applicable.
- **Flammability (solid, gaseous):** Not applicable.
- **Decomposition temperature:** Not determined.
- **Ignition temperature:** Product is not selfigniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Explosion limits:**
 - Lower:** Not determined.
 - Upper:** Not determined.
- **Vapor pressure:** Not determined.
- **Density at 20 °C (68 °F):** 1.12 g/cm³ (9.346 lbs/gal) (EN ISO 2811-1)
- **Relative density** Not determined.
- **Vapor density** Not determined.
- **Evaporation rate** Not determined.
- **Solubility in / Miscibility with**
 - Water:** Fully miscible.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
 - Dynamic at 20 °C (68 °F):** 26 mPas (ISO 2555)
 - Kinematic:** Not determined.
- **VOC content:** 0.00 %
- **Solids content:** 53.0 % (DIN EN 827.8.2)
- **Other information** No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.

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- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** Chlorine compounds

11 Toxicological information

· **Information on toxicological effects**

· **Acute toxicity:**

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

56-81-5 glycerol

Oral LD50 12,600 mg/kg (rat)

Dermal LD50 >18,700 mg/kg (rabbit)

61790-50-9 Resin acids and Rosin acids, potassium salts

Oral LD50 2,130 mg/kg (rat)

Dermal LD50 >2,000 mg/kg (rat)

61790-51-0 Sodium salt of resinous acids

Oral LD50 2,130 mg/kg (rat)

Dermal LD50 >2,000 mg/kg (rat)

2634-33-5 1,2-benzisothiazol-3(2H)-one

Oral LD50 1,193 mg/kg (rat)

Dermal LD50 4,115 mg/kg (rat)

55965-84-9 a mixture of: 5-chloro-2-methyl-2 H -isothiazol-3-one [EC No 247-500-7] and 2-methyl-2 H -isothiazol-3-one [EC No 220-239-6] (3:1)

Oral LD50 66 mg/kg (rat)

Dermal LD50 141 mg/kg (rat)

· **Primary irritant effect:**

· **on the eye:** Based on available data, the classification criteria are not met.

· **Sensitization:** No sensitizing effects known.

· **Additional toxicological information:**

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

· **Carcinogenic categories**

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

9010-98-4 1,3-Butadiene, 2-chloro-, homopolymer: 3

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

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12 Ecological information

· **Toxicity**

· **Aquatic toxicity:**

56-81-5 glycerol

LC50 >10,000 mg/l (*Leuciscus idus*)
>5,000 mg/l (*Carassius auratus*)
EC50/24h >10,000 mg/l (*Daphnia magna*)
EC50/48h >2,900 mg/l (*Microcystis aeruginosa*)
EC50/72h >10,000 mg/l (*Pseudomonas putida*)

61790-50-9 Resin acids and Rosin acids, potassium salts

LC50/96h 5.4 mg/l (*Danio rerio*)
EC50/48h 36 mg/l (*Daphnia magna*)
ErC50/72h >1,000 mg/l (*Pseudokirchneriella subcapitata*)

2634-33-5 1,2-benzisothiazol-3(2H)-one

LC50/96h 2.18 mg/l (*Oncorhynchus mykiss*)
2.2 mg/l (*Lepomis macrochirus*)
EC50/18h 0.4 mg/l (*Pseudomonas putida*)
EC50/48h 2.94 mg/l (*Daphnia magna*)
EC50/72h 0.067 mg/l (*Pseudokirchneriella subcapitata*)
EC0 1 mg/l (*Daphnia magna*)

55965-84-9 a mixture of: 5-chloro-2-methyl-2 H -isothiazol-3-one [EC No 247-500-7] and 2-methyl-2 H -isothiazol-3-one [EC No 220-239-6] (3:1)

NOEC/48h 0.00064 mg/l (*Skeletonema costatum*)
NOEC/21d 0.004 mg/l (*Daphnia magna*)
LC50/96h 0.188 mg/l (*Oncorhynchus mykiss*)
EC20/3h 0.97 mg/l (sludge)
EC50/48h 0.126 mg/l (*Daphnia magna*)
EC50/3h 7.92 mg/l (sludge) (OECD 209)
EC50/72h 0.048 mg/l (*Pseudokirchneriella subcapitata*)
EC50/96h 0.22 mg/l (*Oncorhynchus mykiss*)
NOEC/72h 0.0012 mg/l (*Pseudokirchneriella subcapitata*)

· **Persistence and degradability** No further relevant information available.

· **Behavior in environmental systems:**

· **Bioaccumulative potential** No further relevant information available.

· **Mobility in soil** No further relevant information available.

· **Additional ecological information:**

· **General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water

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

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

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· **Other adverse effects** No further relevant information available.

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13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
Must be specially treated adhering to official regulations.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

- **UN-Number**
- **DOT, ADR, ADN, IMDG, IATA** Void
- **UN proper shipping name**
- **DOT, ADR, ADN, IMDG, IATA** Void
- **Transport hazard class(es)**
- **DOT, ADR, ADN, IMDG, IATA**
- **Class** Void
- **Packing group**
- **DOT, ADR, IMDG, IATA** Void
- **Environmental hazards:** Not applicable.
- **Special precautions for user** Not applicable.
- **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.
- **Transport/Additional information:** Not dangerous according to the above specifications.
- **DOT**
- **Remarks:** not regulated
- **ADR**
- **Remarks:** not regulated
- **IMDG**
- **Remarks:** not regulated
- **IATA**
- **Remarks:** not regulated
- **UN "Model Regulation":** Void

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**
- **Section 355 (extremely hazardous substances):**
None of the ingredient is listed.

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

None of the ingredients is listed.

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

All ingredients are listed or are not required to be listed on the TSCA inventory.

· **Hazardous Air Pollutants**

None of the ingredients is listed.

· **Proposition 65**

· **Chemicals known to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **New Jersey Right-to-Know List:**

56-81-5 glycerol

7664-38-2 phosphoric acid

1310-58-3 potassium hydroxide

· **New Jersey Special Hazardous Substance List:**

7664-38-2 phosphoric acid: CO

1310-58-3 potassium hydroxide: CO, R1

· **Pennsylvania Right-to-Know List:**

56-81-5 glycerol

7664-38-2 phosphoric acid

1310-58-3 potassium hydroxide

· **Pennsylvania Special Hazardous Substance List:**

7664-38-2 phosphoric acid: E

1310-58-3 potassium hydroxide: E

· **GHS label elements**

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

· **Hazard pictograms**



GHS08

· **Signal word** Warning

· **Hazard statements**

May cause damage to the respiratory tract through prolonged or repeated exposure. Route of exposure: Inhalation.

· **Precautionary statements**

Do not breathe dust/fume/gas/mist/vapors/spray.

Get medical advice/attention if you feel unwell.

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Dispose of contents/container in accordance with local/regional/national/international regulations.

· **National regulations:**

· **VOC:**

· **VOC (EU)** 0.0 g/l

· **VOC (USA):** 0.0 g/l / 0.00 lb/gal

· **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.

· **Relevant phrases**

H290 May be corrosive to metals.

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.

H319 Causes serious eye irritation.

H330 Fatal if inhaled.

· **Contact:**

· **Date of preparation / last revision** 05/16/2023

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

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)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

MAL-Code: Måleteknisk Arbejdshygiejnisk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Corrosive to Metals 1: Corrosive to metals – Category 1

Acute Toxicity - Oral 3: Acute toxicity – Category 3

Acute Toxicity - Oral 4: Acute toxicity – Category 4

Acute Toxicity - Dermal 2: Acute toxicity – Category 2

Skin Corrosion 1A: Skin corrosion/irritation – Category 1A

Skin Corrosion 1B: Skin corrosion/irritation – Category 1B

Skin Corrosion 1C: Skin corrosion/irritation – Category 1C

Skin Irritation 2: Skin corrosion/irritation – Category 2

Eye Damage 1: Serious eye damage/eye irritation – Category 1

Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A

Sensitization - Skin 1: Skin sensitisation – Category 1

Sensitization - Skin 1A: Skin sensitisation – Category 1A

Specific Target Organ Toxicity - Repeated Exposure 2: Specific target organ toxicity (repeated exposure) – Category 2