

Bacolac Professional Sandable Sealer Reducer

Section 1 Identification

Product identifiers

Bacolac Professional Sandable Sealer Reducer

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

Reducer/thinner for the clear lacquer Bacolac Professional Sandable Sealer.
For industrial / professional use only.

Details of the supplier of the safety data sheet:

Freeman Manufacturing & Supply Company
1101 Moore Road, Avon, OH 44011
Telephone: +1 (440) 934-1902
Email: contactus@freemansupply.com

24 Hour Emergency Phone Number
(800) 424-9300

Section 2 Hazards Identification

GHS Classification in accordance with 29 CFR 1910.1200 (OSHA HCS)

Flammable liquid, Category 2
Acute toxicity, inhalation, Category 4
Skin corrosion/irritation, Category 2
Serious eye damage/eye irritation, Category 2A
Carcinogenicity, Category 2
Reproductive toxicity, Category 2
Specific target organ toxicity, single exposure - respiratory tract irritation, Category 3
Specific target organ toxicity, single exposure - narcotic effects, Category 3
Specific target organ toxicity, repeated exposure, Category 2
Aspiration hazard, Category 1

GHS Label elements



Danger

Hazard statements

H225 Highly flammable liquid and vapor.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H351 Suspected of causing cancer.
H361 Suspected of damaging fertility or the unborn child.
H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

P262 Do not get in eyes, on skin, or on clothing.
P261 Avoid breathing vapors or mist.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting equipment.

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Section 2 Hazards Identification

P242 Use only non-sparking tools.
 P243 Take precautionary measures against static discharge.
 P264 Wash thoroughly after handling.
 P271 Use only outdoors or in a well-ventilated area.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P301 + P310 If swallowed: Immediately call a poison center/doctor.
 P331 Do NOT induce vomiting.
 P303 + P361 +
 P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P332 + P313 If skin irritation occurs: Get medical advice/attention.
 P304 + P340 If inhaled: Remove person to fresh air and keep comfortable for breathing.
 P308 + P313 If exposed or concerned: Get medical advice/attention.
 P305 + P351 +
 P338 If in eyes: Rinse cautiously with water for several minutes.
 Remove contact lenses, if present and easy to do. Continue rinsing.
 P337 + P313 If eye irritation persists: Get medical advice/attention.
 P370 + P378 In case of fire: Use appropriate media to extinguish.
 P235 Keep cool.
 P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 3 Composition/Information on Ingredients

Ingredient Name	CAS Number	Weight Concentration %
Toluene	108-88-3	60-80
Isopropanol	67-63-0	10-30
2-Butanone	78-93-3	1-10
2-Methyl-4-Pentanone	108-10-1	1-10

Section 4 First Aid Measures

Description of first aid measures

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Call a poison center or doctor/physician if you feel unwell.

Skin contact: Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Ingestion: Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

Most important symptoms/effects, acute and delayed

Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness or dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory irritation. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects.

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Section 4 First Aid Measures

Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

General information

Take off all contaminated clothing immediately. IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.

Section 5 Fire-Fighting Measures

Extinguishing media

Use water fog. Alcohol resistant foam. Dry chemical powder. Carbon dioxide (CO₂). Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical

Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Firefighting equipment/instructions

In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.

Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards

Highly flammable liquid and vapor.

Section 6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist/vapors. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

Methods and materials for containment and cleaning up

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools. This product is miscible in water. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

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Section 7 Handling and Storage

Precautions for safe handling

Do not handle until all safety precautions have been read and understood. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not breathe mist/vapors. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

Section 8 Exposure Controls/Personal Protection

Components with workplace control parameters

Ingredient Name	NIOSH:	ACGIH TLV
Toluene (CAS 108-88-3)	STEL 560 mg/m ³ TWA 375 mg/m ³	TWA 20 ppm
Isopropanol (CAS 67-63-0)	STEL 1225 mg/m ³ TWA 980 mg/m ³	STEL 400 ppm TWA 200 ppm
2-Butanone (CAS 78-93-3)	STEL 885 mg/m ³ TWA 590 mg/m ³	STEL 300 ppm TWA 200 ppm
2-Methyl-4-Pentanone (CAS 108-10-1)	STEL 300 mg/m ³ TWA 205 mg/m ³	STEL 75 ppm TWA 20 ppm

Appropriate engineering controls

Explosion-proof general and local exhaust ventilation. Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station and safety shower.

Personal protective equipment (PPE)

Eye/face protection: Safety glasses with side shields or chemical goggles and full facepiece is recommended if splashing is expected. An eyewash station and safety shower should be made available.

Hand and skin protection: Wear appropriate chemical resistant gloves.

Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

Toluene (CAS 108-88-3) Can be absorbed through the skin.

Respiratory protection: Chemical respirator with organic vapor cartridge and full facepiece must be worn, if ventilation or other mechanical means cannot maintain airborne concentrations below recommended exposure limits.

General hygienic practices

Observe any medical surveillance requirements. When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

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Section 9 Physical and Chemical Properties

Appearance	Colorless clear liquid
Odor	Solvent
Odor Threshold	No data available
pH	Not applicable
Melting point	Not applicable
Freezing point	Not applicable
Boiling point	174°F (79°C) Estimated
Flash Point	21°F (-6°C) Lowest Flashing Component
Evaporation rate	No data available
Flammability limit - lower	1% Estimated
Flammability limit -upper	13% Estimated
Vapor pressure	33.22 hPa at 20°C
Vapor density	>1 (Air = 1)
Specific gravity	0.848
Pounds per gallon	7.066 lb./gal
Water solubility	Appreciable
Coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	Not determined

Section 10 Stability and Reactivity

Reactivity

The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability

Material is stable under normal conditions. Stable under normal conditions.

Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

Conditions to avoid

Avoid heat, sparks, open flames and other ignition sources. Suitable precautions should be utilized if using this product at temperatures above the flash point. Contact with incompatible materials.

Incompatible materials

Acids. Strong oxidizing agents.

Hazardous decomposition

No hazardous decomposition products are known.

Section 11 Toxicological Information

Information on toxicological effects

Ingredient Name	Dermal LD50	Oral LD50
Toluene (CAS 108-88-3)	Rabbit 12120 mg/kg	Rat 2.6 g/kg
Isopropanol (CAS 67-63-0)	Rabbit 12800 mg/kg	Rat 4.7 g/kg
2-Butanone (CAS 78-93-3)	Rabbit > 8000 mg/kg	Not available
2-Methyl-4-Pentanone (CAS 108-10-1)	Rabbit > 16000 mg/kg	Not available

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Section 11 Toxicological Information

Information on likely routes of exposure

Inhalation: Harmful if inhaled. May cause drowsiness or dizziness. Headache. Nausea, vomiting.

Skin contact: Causes skin irritation.

Eye contact: Causes serious eye irritation.

Ingestion: Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.

Information on toxicological effects

Acute toxicity: May be fatal if swallowed and enters airways. Harmful if inhaled.

May cause drowsiness or dizziness. Headache. Nausea, vomiting.

Skin corrosion/irritation: Causes skin irritation. May cause redness and pain.

Serious eye damage/eye irritation: Causes serious eye irritation.

Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Respiratory sensitization: Not a respiratory sensitizer.

Skin sensitization: This product is not expected to cause skin sensitization.

Germ cell mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity Suspected of causing cancer.

2-Methyl-4-Pentanone (CAS 108-10-1) 2B Possibly carcinogenic to humans. (IARC)

No components listed (OSHA)

No components listed (NTP)

Reproductive toxicity: Suspected of damaging fertility or the unborn child.

Specific target organ toxicity - single exposure: May cause respiratory irritation.

May cause drowsiness or dizziness.

Specific target organ toxicity - repeated exposure: May cause damage to organs through prolonged or repeated exposure. Prolonged inhalation may be harmful.

Aspiration: May be fatal if swallowed and enters airways. May cause pulmonary edema and pneumonitis.

Section 12 Ecological Information

Ecotoxicity: The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence and degradability: No data is available on the degradability of any ingredients in the mixture.

Bioaccumulative potential

Ingredient Name	Partition coefficient n-octanol / water (log Kow)
Toluene (CAS 108-88-3)	2.73
Isopropanol (CAS 67-63-0)	0.05
2-Butanone (CAS 78-93-3)	0.29
2-Methyl-4-Pentanone (CAS 108-10-1)	1.31

Mobility in soil: No data available

Other adverse effects: The product contains volatile organic compounds which have a photochemical ozone creation potential.

Section 13 Disposal Considerations

Disposal

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

Bacolac Professional Sandable Sealer Reducer**Section 13 Disposal Considerations****Hazardous waste codes**

D001: Waste Flammable material with a flash point <140 F

D018: Waste Benzene

D035: Waste Methyl ethyl ketone

The waste code should be assigned in discussion between the user and the waste disposal company.

Waste from residues /unused products, and contaminated packaging

Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Section 14 Transport Information**DOT/IATA/IMDG**

UN Number: UN1263

Proper Shipping Name: Paint Related Material

Hazard Class: 3

Packing Group: II

ERG Code: 128

Section 15 Regulatory Information**U.S. Federal Regulations**

CERCLA Hazardous Substances, Reportable Quantity (RQ): 2-Butanone (CAS 78-93-3) Listed, 2-Methyl-4-Pentanone (CAS 108-10-1) Listed, Toluene (CAS 108-88-3)

EPCRA, Section 302 – Extremely Hazardous Substances (EHS): No components listed

EPCRA, Section 313 – Toxic Release Inventory (TRI) Chemicals:

2-Methyl-4-Pentanone (108-10-1) 1-10%, Toluene (108-88-3) 60-80%

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List:

2-Methyl-4-Pentanone (CAS 108-10-1), Toluene (CAS 108-88-3)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): Not regulated.

U.S. State Regulations

California Proposition 65: ⚠️ **WARNING:** This product can expose you to chemicals including Toluene and 2-Methyl-4-Pentanone, which are known to the State of California to cause cancer or birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Inventory Status

Australia Australian Inventory of Chemical Substances (AICS): All components listed

Canada Domestic Substances List (DSL): All components listed

China Inventory of Existing Chemical Substances in China (IECSC): All components listed

Europe European Inventory of Existing Commercial Chemical Substances (EINECS): All components listed

Japan Inventory of Existing and New Chemical Substances (ENCS): All components listed

Korea Existing Chemicals List (ECL): All components listed

New Zealand New Zealand Inventory: All components listed

Philippine Inventory of Chemicals and Chemical Substances (PICCS): All components listed

Taiwan Chemical Substance Inventory (TCSI): All components listed

United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory: All components listed

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Section 16 Other Information

Disclaimer

The following supersedes Buyer's documents. SELLER MAKES NO REPRESENTATION OR WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. No statements herein are to be construed as inducements to infringe any relevant patent. Under no circumstances shall Seller be liable for incidental, consequential or indirect damages for alleged negligence, breach of warranty, strict of liability arising in connection with the product(s). Buyer's sole remedy and Seller's sole liability for any claims shall be Buyer's purchase price. Data and results are based on controlled lab work and must be confirmed by Buyer by testing for its intended conditions of use. The product(s) has not been tested for, and is therefore not recommended for, uses for which prolonged contact with mucous membranes, abraded skin, or blood is intended; or for uses for which implantation within the human body is intended.

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