



Safety Data Sheet

Benco B15



1. Identification

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| Product identifier | Benco B15 | | |
| Product code | B15 | | |
| Other means of identification | B15. JZW Distribution. | | |
| Recommended use of the chemical and restrictions on use | Industrial paint remover. | | |
| Manufacturer | Benco Sales, Inc. 123 Stout Drive Crossville, TN 38555 Tel. 931-484-9578 Fax 931-484-7614 https://bencosales.com/ | Distributor | JZW Distribution 515 chemin Larocque Salaberry-de-Valleyfield, Québec Canada J6T 4C8 Tel. (438) 500-1599 https://www.jzwdistribution.ca/ |
| Emergency phone number | Infotrac 800-535-5053 | | |

2. Hazard identification

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| Summary | Avoid all contact with the skin, eyes and clothing. Do not breathe vapours, mists or aerosols. Do not ingest. If medical advice is needed, have this SDS or label at hand. Wear eye protection, gloves and other protective clothing that are adapted to the task being performed and the risks involved. |
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WHMIS 2015/GHS/OSHA HCS 2012

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| | <p>Acute toxicity, oral (Category 4) Acute toxicity, dermal (Category 4) Acute toxicity, inhalation (Category 4) Skin corrosion/irritation (Category 1) Serious eye damage/eye irritation (Category 1) Germ cell mutagenicity (Category 2) Carcinogenicity (Category 2) Specific target organ toxicity, single exposure, Narcotic effects (Category 3) Specific target organ toxicity, repeated exposure (Category 2) Health hazards not otherwise classified (HHNOC)</p> |
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DANGER

- H314: Causes severe skin burns and eye damage
- H3xx: May cause burns and serious injury to the respiratory tract
- H302 + H312 + H332: Harmful if swallowed, in contact with skin or if inhaled
- H336: May cause drowsiness or dizziness
- H351: Suspected of causing cancer
- H341: Suspected of causing genetic defects
- H373: May cause damage to organs through prolonged or repeated exposure
- P201: Obtain special instructions before use.
- P202: Do not handle until all safety precautions have been read and understood.

P260: Do not breathe vapours and spray.
 P264: Wash face, hands and any exposed skin thoroughly after handling.
 P270: Do not eat, drink or smoke when using this product.
 P271: Use only outdoors or in a well-ventilated area.
 P280: Wear protective gloves, protective clothing, eye protection and/or face protection.
 P308+P313: IF exposed or concerned: Get medical attention.
 P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P303+P361+P353: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water and soap or take a shower if necessary.
 P363: Wash contaminated clothing before reuse.
 P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P305+P351+P338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
 P310: Immediately call a POISON CENTER or a doctor.
 P403+P233: Store in a well ventilated place. Keep container tightly closed.
 P405: Store locked up.
 P501: Dispose of contents and container to a licensed chemical disposal agency in accordance with local, regional and national regulations.

3. Composition/information on ingredients

| Common name | CAS | Weight % content |
|--------------------|----------|------------------|
| Methylene chloride | 75-09-2 | 45 - 70 % |
| Phenol | 108-95-2 | 10 - 30 % |
| Formic acid | 64-18-6 | 10 - 30 % |

Note: The manufacturer withholds the actual concentration range of the ingredients as a trade secret.

4. First-aid measures

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| Inhalation | Move person to fresh air. If breathing is difficult, give oxygen by trained personnel. If not breathing, give artificial respiration. If a problem develops or persists, seek medical attention. |
| Skin contact | Flush with water for at least 20 minutes. Avoid touching eyes with contaminated body parts. Seek medical attention or contact a Poison Centre immediately. Wash contaminated clothing before reuse. |
| Eye contact | IMMEDIATELY flush with plenty of water. Remove contact lenses if easy to do. Hold eyelids apart to rinse properly. Flush with water for at least 20 minutes. Seek medical attention immediately. Have an ophthalmologist make an evaluation of eye injury. |
| Ingestion | DO NOT induce vomiting, unless recommended by medical personnel. Never give anything by mouth if victim is unconscious or convulsing. If victim is conscious wash out mouth with water and give 1-2 glasses of water to drink. If spontaneous vomiting occurs, keep head below hip level to prevent aspiration into the lungs. Seek medical attention or contact a Poison Centre immediately. |
| Other | No additional information. |
| Symptoms | Causes burns to the respiratory tract, gastrointestinal tract, eyes and skin. |
| Notes to the physician | Treat according to person's condition and specifics of exposure. If gastric lavage is performed, suggest endotracheal and/or esophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient. For severe exposures, monitor for delayed onset of pulmonary edema. |

5. Fire-fighting measures

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| Suitable extinguishing media | Dry chemicals, water spray, alcohol resistant foam, carbon dioxide (CO ₂). |
| Specific hazards arising from the chemical | Contact with water will generate heat or splashing. |
| Special protective equipment | Firefighters must wear self contained breathing apparatus with full face mask. Firefighting suit may not be efficient against chemicals. |
| Special protective actions for fire-fighters | Use water spray to cool fire-exposed containers. Prevent run-off from fire control or dilution from entering streams, sewers or drinking water supply. |

6. Accidental release measures

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| Personal precautions, protective equipment and emergency procedures | Do not touch damaged containers or spilled material. Make sure to wear personal protective equipment mentioned in this Safety Data Sheet. |
| Environmental precautions | Prevent product from entering drains and release to the environment. For a large spill, consult the Department of Environment or the relevant authorities. |
| Methods and materials for containment and cleaning up | Evacuate unauthorized personnel. Ventilate the area well. Stop leak, if it's possible to do so without risk. Absorb with inert material (soil, sand, vermiculite) and place in an appropriate waste disposal clearly identified. Finish cleaning by rinsing with water contaminated surface. Dispose via a licensed waste disposal contractor. |

7. Handling and storage

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| Precautions for safe handling | Use only in well ventilated area. Avoid all contact with the skin, eyes and clothing. Do not breathe vapours, mists or aerosols. Wear eye protection, gloves, respiratory protection and other protective clothing that are adapted to the task being performed and the risks involved. Keep only the quantities necessary for the work being performed in the work area. Keep containers tightly closed when not in use. Do not eat, do not drink and do not smoke during use. After use, wash hands with soap and water. Wash contaminated clothing before reuse. |
| Conditions for safe storage, including any incompatibilities | Always keep in containers made of the same materials as the supply container. Store tightly closed and in properly labelled containers in a cool, dry and well ventilated place. Keep away from direct sunlight and heat. Store away from bases and incompatible materials (see section 10). |
| Storage temperature | 10 to 25°C (50 to 77°F) |

8. Exposure controls/personal protection

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| Immediately Dangerous to Life or Health | Methylene chloride: 2300 ppm. Phenol: 250 ppm. Formic acid: 30 ppm. |
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| Methylene chloride | TWA (8h) | 25 ppm | | BC |
| | | 50 ppm | | ACGIH , ON |
| | | 50 ppm | 174 mg/m ³ | RSST |
| Phenol | TWA (8h) | 5 ppm | 19 mg/m ³ | ACGIH , BC, ON, RSST |
| Formic acid | STEL | 10 ppm | | ACGIH , BC, ON |
| | | 10 ppm | 19 mg/m ³ | RSST |
| | TWA (8h) | 5 ppm | | ACGIH , BC, ON |
| | | 5 ppm | 9.4 mg/m ³ | RSST |
| Appropriate engineering controls | Provide sufficient mechanical ventilation (general or local exhaust) to keep the airborne concentrations of vapours, mists, aerosols or dust below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are close to the workstation. | | | |
| Individual protection measures | | | | |
| Eye | Wear chemical splash goggles. If risk of contact with eyes or the face wear chemical splash goggles and a face shield. | | | |
| Hands | Chemical-resistant, impervious gloves should be worn at all times when handling this chemical product. Before using, user should confirm impermeability. Discard gloves with tears, pinholes, or signs of wear. Gloves must only be worn on clean hands. Wash gloves with water before removing them. After using gloves, hands should be washed and dried thoroughly. | | | |
| Skin | Personal protective equipment for the body should be selected based on the task being performed and the risks involved. Wear appropriate chemical impervious clothing. Wear an apron or long-sleeve protective coverall suit. | | | |
| Respiratory | Where the conditions in the workplace require a respirator, it is necessary to follow a respiratory protection program. Moreover, respiratory protection equipment (RPE) must be selected, fitted, maintained and inspected in accordance with regulations and standard 29 CFR 1910.134 (OSHA), ANSI Z88.2 or CSA Z 94.11 (Canada) and approved by NIOSH/MSHA. In case of insufficient ventilation or in confined or enclosed space, wear any self-contained breathing apparatus that has a full face piece and is operated in a pressure-demand or other positive-pressure mode. | | | |
| Feet | Wear rubber boots as needed. | | | |

9. Physical and chemical properties

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| Physical state | Liquid | Flammability | Non-flammable |
| Colour | Light color | Flammability limits | N/Av. |
| Odour | Characteristic | Flash point | N/Av. |
| Odour threshold | N/Av. | Auto-ignition temperature | Und. |
| pH | 1 to 2 | Sensibility to electrostatic charges | N/Av. |
| Melting point | N/Av. | Sensibility to sparks and/or friction | N/Av. |
| Freezing point | N/Av. | Vapour density | 2.93 (Air = 1) |
| Boiling point | 40°C (104°F) | Relative density | 1.195 kg/L (Water = 1) |
| Solubility | N/Av. | Partition coefficient n-octanol/water | N/Av. |
| Evaporation rate | < N/Av. | Decomposition temperature | N/Av. |

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| Vapour pressure | N/Av. | Viscosity | N/Av. |
| Percent Wt. Volatile | >95% | Molecular mass | N/Av. |
| VOC (g/L) | 191.22 g/L | % Volume Volatile (VOC) | N/Av. |
| VOC (lb/gal) | N/Av. | % Wt. Volatile (VOC) | N/Av. |
| N/Av.: Not Available N/Av.: Not Applicable Und.: Undetermined N/E: Not Established | | | |

10. Stability and reactivity

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| Reactivity | Contact with water will generate heat or splashing. |
| Chemical stability | Stable under recommended storage conditions. |
| Possibility of hazardous reactions (including polymerizations) | Hazardous polymerization will not occur. |
| Conditions to avoid | Avoid contact with incompatible materials. Avoid heat, flame and sparks. Avoid direct sunlight. Never add water directly in this product. |
| Incompatible materials | Strong oxidants, strong bases, aluminum, zinc, magnesium, alkali metals, strong reducing agents, metal powders, rubber, various plastics. |
| Hazardous decomposition products | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

11. Toxicological information

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| Numerical measures of toxicity | Methylene chloride | Ingestion | 1600 mg/kg | Rat | LD50 |
| | | Inhalation | 62 mg/l/4h | Rat | LC50 |
| | | Skin | >2000 mg/kg | Rat | LD50 |
| | Formic acid | Ingestion | 730 mg/kg | Rat | LD50 |
| | | Inhalation | 7.85 mg/l/4h | Rat | LC50 |
| | | Skin | >2000 mg/kg | Rabbit | LD50 |
| | Phenol | Ingestion | 317 mg/kg | Rat | LD50 |
| | | | 270 mg/kg | Mouse | LD50 |
| | | Inhalation | >1.8 mg/l/4h | Rat | LC50 |
| | Skin | 630 mg/kg | Rabbit | LD50 | |
| Likely routes of exposure | Skin, eyes, inhalation, ingestion. | | | | |
| Delayed, immediate and chronic effects | Eye contact | May cause burns and damages to eyes. | | | |
| | Skin contact | Harmful in contact with skin. May cause severe skin irritation and burns. The severity of symptoms may vary depending on exposure conditions. | | | |
| | Inhalation | Harmful by inhalation. May cause irritation to nose, throat and respiratory tract. Can cause damage to nasal and respiratory passages. The severity of symptoms may vary depending on exposure conditions. | | | |
| | Ingestion | Harmful if swallowed. May cause gastrointestinal irritation and burns to mouth, throat and stomach. | | | |
| | Respiratory or skin sensitization | Ingredients present at levels greater than or equal to 0.1% of this product are not skin or respiratory sensitizers. | | | |
| IARC/NTP Classification | Common name | IARC | NTP | | |
| | Methylene chloride | 2A | R | | |
| | IARC : 1- Carcinogenic; 2A- Probably carcinogenic; 2B- Possibly carcinogenic. NTP : K- Known to be carcinogens; R- Reasonably anticipated to be carcinogens. | | | | |

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| | <p>Carcinogenicity Contains an ingredient probably carcinogenic to humans (Group 2A, IARC). Contains an ingredient which is reasonably anticipated to be a human carcinogen (NTP). The risk of cancer depends on duration and level of exposure.</p> <p>Mutagenicity Suspected of causing genetic defects. Phenol (CAS no 108-95-2) is mutagenic in vitro to mammalian cells. In vivo, the oral tests with mice gave weakly positive or negative results.</p> <p>Reproductive toxicity Ingredients in this product present at levels greater than or equal to 0.1% are not known to cause reproduction effects.</p> <p>Specific target organ toxicity - single exposure Central nervous system.</p> <p>Specific target organ toxicity - repeated exposure Nervous system, kidneys, liver, skin, respiratory system.</p> |
| Interactive effects | No information available. |
| Other information | The oral acute toxicity estimate (ATE) of the mixture was calculated to be greater than 300 mg/kg but lower than 2000 mg/kg. This value is classified according to GHS: Acute toxicity, oral (Category 4). The skin acute toxicity estimates (ATE) of the mixture was calculated to be greater than 1000 mg/kg but lower than 2000 mg/kg. This value is classified according to GHS: Acute toxicity, dermal (Category 4). The acute toxicity estimate (ATE) by inhalation of the mixture was calculated to be greater than 10 mg/L/4h but lower than 20 mg/L/4h. This value is classified according to GHS: Acute toxicity, inhalation (Category 4). |

12. Ecological information

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| Ecological toxicity | Fish - Pimephales promelas (fathead minnow) | LC50 193 mg/L; 96 h (CAS no 75-09-2) |
| | Aquatic Invertebrate - Daphnia magna | EC50 220 mg/L; 48 h (CAS no 75-09-2) |
| | Aquatic Plant - Algae, Selenastrum capricornutum | EC50 >662 mg/L; 96 h (CAS no 75-09-2) |
| | Fish - Oncorhynchus mykiss (Rainbow trout) | LC50 8.9 mg/L; 96 h (CAS no 108-95-2) US EPA |
| | Aquatic Invertebrate - Ceriodaphnia dubia (water flea) | EC50 3.1 mg/L; 48 h (CAS no 108-95-2) US EPA |
| | Algae - Pseudokirchneriella subcapitata (green algae) | EC50 61.1 mg/L; 96 h (CAS no 108-95-2) US EPA |
| | Fish - Danio rerio (fresh water) | LC50 130 mg/L; 96 h (CAS no 64-18-6) OECD 203 |
| | Aquatic Invertebrate - Daphnia Magna - Freshwater (static) | EC50 365 mg/L; 48 h (CAS no 64-18-6) OECD 202 |
| | Algae, Pseudokirchneriella subcapitata | EC50 1240 mg/L; 72 h (CAS no 64-18-6) OECD 201 |
| Persistence | Not persistent in environment. | |
| Degradability | The product is a mixture whose ingredients are readily biodegradable (> 60% in 28 days). | |
| Bioaccumulative potential | The product is a mixture of which ingredients have a low to moderate bioaccumulation potential. | |
| Mobility in soil | The product is a mixture of which some ingredients evaporate very easily from the surface of the soil and have very high mobility in soil. | |
| Other adverse effects | This chemical does not deplete the ozone layer. The observed ecological toxicity presented by this product for the environment was considered a result of pH effects. | |

13. Disposal considerations

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| Container  | <p>Important! Prevent waste generation. Use in full. DO NOT dispose residue in sewers, streams or drinking water supply. Residues and empty containers must be considered as hazardous waste. Dispose via a licensed waste disposal contractor. Observe all federal, state/provincial and municipal regulations. If necessary consult the Department of Environment or the relevant authorities.</p> |
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14. Transport information

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| UN Number | UN 3066 |
| UN Proper Shipping Name | PAINT RELATED MATERIAL |
| Environmental hazards | Contains an ingredient which is a marine pollutant. |
| Special precautions for user | Permit required for transportation with proper DANGER placards displayed on vehicle. |
| TDG - Transportation of Dangerous Goods (Canada & US DOT) | |
| Transport hazard class(es) |  Class 8 |
| Packing group | II |
| 2020 Emergency Response Guidebook | <u>153</u> |
| IMO/IMDG - International Maritime Transport | |
| Classification | UN 3066. PAINT RELATED MATERIAL. Class 8, PG II. Emergency schedules (EmS-No) F-A, S-B |
| IATA - International Air Transport Association | |
| Classification | UN 3066. PAINT RELATED MATERIAL. Class 8, PG II. |
| <p>These transportation classifications are provided as a customer service. As the shipper YOU remain responsible for complying with all applicable laws and regulations, including proper transportation classification and packaging. In addition, if a domestic exemption exists, it is the responsibility of the shipper to define the application of it.</p> | |

15. Regulatory information

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| Other regulations | | | | | | | | | |
| | <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> <p>HMIS</p> <table border="1" style="border-collapse: collapse; width: 100px;"> <tr><td style="background-color: blue; color: white; text-align: center;">3</td><td style="background-color: blue; color: white;">Health</td></tr> <tr><td style="background-color: red; color: white; text-align: center;">1</td><td style="background-color: red; color: white;">Flamability</td></tr> <tr><td style="background-color: yellow; color: black; text-align: center;">0</td><td style="background-color: yellow; color: black;">Reactivity</td></tr> <tr><td style="text-align: center;">○</td><td>Protective Equipment</td></tr> </table> </div> <div style="text-align: center;"> <p>NFPA</p>  </div> </div> | 3 | Health | 1 | Flamability | 0 | Reactivity | ○ | Protective Equipment |
| 3 | Health | | | | | | | | |
| 1 | Flamability | | | | | | | | |
| 0 | Reactivity | | | | | | | | |
| ○ | Protective Equipment | | | | | | | | |

16. Other information

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| Date (YYYY-MM-DD) | Benco Sales, Inc. 2023-04-20 |
| Version | 02 |
| Other information | <p>REFERENCES:</p> <ul style="list-style-type: none">- Service du répertoire toxicologique de la Commission des normes, de l'équité, de la santé et de la sécurité du travail (CNESST), https://www.cnesst.gouv.qc.ca/fr- Haz-Map, Information on Hazardous Chemicals and Occupational Diseases, https://haz-map.com/- IPCS INCHEM, Chemical Safety Information from Intergovernmental Organizations, Canadian Centre for Occupational Health and Safety (CCOHS), Copyright International Programme on Chemical Safety (IPCS), http://www.inchem.org- NIOSH Pocket Guide to Chemical Hazards, Centers for Disease Control and Prevention, NIOSH Publications, 2007, http://www.cdc.gov/niosh/npg/npg.html <p>DATE OF FIRST VERSION OF SDS: 2023-03-22.</p> <p>CHANGES MADE IN THE VERSION 02: section 1.</p> <p>ACGIH: American Conference of Governmental Industrial Hygienists AIHA: American Industrial Hygiene Association HMIS: Hazardous Materials Identification System NFPA: National Fire Protection Association OSHA: Occupational Safety and Health Administration (USA) NIOSH: National Institute for Occupational Safety and Health NTP: National Toxicology Program RSST: Règlement sur la santé et la sécurité du travail (Québec) GHS: Globally Harmonized System IARC: International Agency for Research on Cancer IDLH: Immediately Dangerous to Life or Health STEL: Short Term Exposure Limit (15 min) TWA: Time Weighted Averages WHMIS: Workplace Hazardous Materials Information System</p> <p>To the best of our knowledge, the information contained herein is accurate. However, neither Preventis System, nor the above named supplier, nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.</p> |