



SAFETY DATA SHEET

1. Identification

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| Product identifier | LPS® BFX |
| Other means of identification | |
| Part Number | 05528, 05501, 05505, 05555 |
| Recommended use | Not available. |
| Recommended restrictions | None known. |
| Manufacturer/Importer/Supplier/Distributor information | |
| Manufacturer | |
| Manufacturer | |
| Company name | ITW Pro Brands |
| Address | 4647 Hugh Howell Rd. Tucker, GA 30084 |
| Country | (U.S.A.) Tel: +1 770-243-8800 |
| In Case of Emergency | 1-800-424-9300 (inside U.S.) +001 703-527-3887 (outside U.S.) |
| Website | www.lpslabs.com |
| E-mail | lpssds@itwprobrands.com |

2. Hazard(s) identification

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|--|--|-------------|
| Physical hazards | Not classified. | |
| Health hazards | Serious eye damage/eye irritation | Category 2B |
| Environmental hazards | Not classified. | |
| OSHA defined hazards | Not classified. | |
| Label elements | | |
| Hazard symbol | None. | |
| Signal word | Warning | |
| Hazard statement | Causes eye irritation. | |
| Precautionary statement | | |
| Prevention | Wash thoroughly after handling. | |
| Response | IF IN EYES: 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. | |
| Storage | Store away from incompatible materials. | |
| Disposal | Dispose of contents/container in accordance with local/regional/national/international regulations. | |
| Hazard(s) not otherwise classified (HNOC) | None known. | |
| Supplemental information | Not applicable. | |

3. Composition/information on ingredients

Mixtures

| Chemical name | Common name and synonyms | CAS number | % |
|------------------------------|---------------------------------|-------------------|----------|
| Alcohols, C10-16,ethoxylated | | 68002-97-1 | 1 - 10 |

4. First-aid measures

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| Inhalation | If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If symptoms persist, get medical attention. |
| Skin contact | Wash off immediately with plenty of water. Get medical attention if irritation develops and persists. |

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| Eye contact | Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists. |
| Ingestion | Call a physician or poison control center immediately. Only induce vomiting at the instruction of medical personnel. Never give anything by mouth to an unconscious person. |
| Most important symptoms/effects, acute and delayed | Irritant effects. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Defatting of the skin. Rash. |
| Indication of immediate medical attention and special treatment needed | Provide general supportive measures and treat symptomatically. |
| General information | In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). In case of shortness of breath, give oxygen. Keep victim under observation. |

5. Fire-fighting measures

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| Suitable extinguishing media | Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂). |
| Unsuitable extinguishing media | None known. |
| Specific hazards arising from the chemical | 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. |
| Fire fighting equipment/instructions | Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Cool containers exposed to heat with water spray and remove container, if no risk is involved. |
| General fire hazards | No unusual fire or explosion hazards noted. |

6. Accidental release measures

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| Personal precautions, protective equipment and emergency procedures | Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS. |
| Methods and materials for containment and cleaning up | Stop the flow of material, if this is without risk. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS. |
| Environmental precautions | Avoid discharge into drains, water courses or onto the ground. |

7. Handling and storage

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| Precautions for safe handling | Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get this material in contact with eyes. Do not get this material in contact with skin. Avoid prolonged exposure. Do not get this material on clothing. Do not use in areas without adequate ventilation. Wear personal protective equipment. Observe good industrial hygiene practices. Wash thoroughly after handling. Use care in handling/storage. |
| Conditions for safe storage, including any incompatibilities | Keep tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Use care in handling/storage. |

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

| Components | Type | Value |
|----------------------------------|------|---------------------|
| Camphor USP (CAS 76-22-2) | PEL | 2 mg/m ³ |
| Sodium Hydroxide (CAS 1310-73-2) | PEL | 2 mg/m ³ |

US. ACGIH Threshold Limit Values

| Components | Type | Value |
|----------------------------------|---------|---------------------|
| Camphor USP (CAS 76-22-2) | STEL | 3 ppm |
| | TWA | 2 ppm |
| Sodium Hydroxide (CAS 1310-73-2) | Ceiling | 2 mg/m ³ |

US. ACGIH Threshold Limit Values

| Components | Type | Value |
|--------------------------------|------|---------------------|
| Triethanolamine (CAS 102-71-6) | TWA | 5 mg/m ³ |

US. NIOSH: Pocket Guide to Chemical Hazards

| Components | Type | Value |
|----------------------------------|---------|---------------------|
| Camphor USP (CAS 76-22-2) | TWA | 2 mg/m ³ |
| Sodium Hydroxide (CAS 1310-73-2) | Ceiling | 2 mg/m ³ |

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|--|---|
| Biological limit values | No biological exposure limits noted for the ingredient(s). |
| Appropriate engineering controls | Good general ventilation (typically 10 air changes per hour) 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. |
| Individual protection measures, such as personal protective equipment | |
| Eye/face protection | If contact is likely, safety glasses with side shields are recommended. Eye wash fountain is recommended. |
| Skin protection | |
| Hand protection | For prolonged or repeated skin contact use suitable protective gloves. Chemical resistant gloves are recommended. |
| Other | Avoid contact with the skin. Avoid contact with clothing. Normal work clothing (long sleeved shirts and long pants) is recommended. Chemical resistant gloves. |
| Respiratory protection | No personal respiratory protective equipment normally required. |
| Thermal hazards | None known. |
| General hygiene considerations | 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. |

9. Physical and chemical properties**Appearance**

| | |
|-----------------------|-----------------------------|
| Physical state | Liquid. |
| Form | Liquid. |
| Color | Colourless to light yellow. |

Odor Sassafra

Odor threshold Not available.

pH 11.8

Melting point/freezing point Not available.

Initial boiling point and boiling range 212 °F (100 °C)

Flash point None

Evaporation rate 1 BuAc

Flammability (solid, gas) Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower (%) Not Available

Flammability limit - upper (%) Not Available

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

Vapor pressure 17.5 mm Hg @ 20°C

Vapor density > 1

Relative density Not available.

| | |
|--|-----------------------|
| Solubility(ies) | |
| Solubility (water) | 100 % |
| Partition coefficient (n-octanol/water) | Not available. |
| Auto-ignition temperature | Not Available |
| Decomposition temperature | Not available. |
| Viscosity | 1 cSt @ 20°C |
| Other information | |
| Density | 8.50 lb/gal estimated |
| Percent volatile | 99 % |
| Specific gravity | 1.02 |
| VOC (Weight %) | 0 % |

10. Stability and reactivity

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| Reactivity | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| Chemical stability | Material is stable under normal conditions. |
| Possibility of hazardous reactions | Hazardous polymerization does not occur. |
| Conditions to avoid | None under normal conditions. |
| Incompatible materials | Strong oxidizing agents. |
| Hazardous decomposition products | Carbon oxides. |

11. Toxicological information

Information on likely routes of exposure

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| Inhalation | Based on available data, the classification criteria are not met. Prolonged inhalation may be harmful. |
| Skin contact | Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis. |
| Eye contact | Causes eye irritation. |
| Ingestion | May cause discomfort if swallowed. |

Symptoms related to the physical, chemical and toxicological characteristics Irritant effects.

Information on toxicological effects

Acute toxicity Not expected to be acutely toxic.

| Components | Species | Test Results |
|--------------------------------|------------|--------------|
| Camphor USP (CAS 76-22-2) | | |
| Acute | | |
| Inhalation | | |
| LC50 | Rat | 500 mg/m3 |
| Oral | | |
| LD50 | Mouse | 1310 mg/kg |
| Triethanolamine (CAS 102-71-6) | | |
| Acute | | |
| Dermal | | |
| LD50 | Rabbit | > 2000 mg/kg |
| Oral | | |
| LD50 | Guinea pig | 5300 mg/kg |
| | Rat | 6400 mg/kg |

Skin corrosion/irritation Prolonged skin contact may cause temporary irritation.

Serious eye damage/eye irritation Causes eye irritation.

Respiratory or skin sensitization

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 This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

ACGIH Carcinogens

Camphor USP (CAS 76-22-2) A4 Not classifiable as a human carcinogen.

IARC Monographs. Overall Evaluation of Carcinogenicity

Triethanolamine (CAS 102-71-6) 3 Not classifiable as to carcinogenicity to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

US. National Toxicology Program (NTP) Report on Carcinogens

Not available.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure Not classified.

Specific target organ toxicity - repeated exposure Not classified.

Aspiration hazard Not classified.

Chronic effects Prolonged or repeated contact may cause drying, cracking, or irritation.

Further information None known.

12. Ecological information

Ecotoxicity Not expected to be harmful to aquatic organisms.

| Components | | Species | Test Results |
|----------------------------------|------|---|------------------------------|
| Sodium Hydroxide (CAS 1310-73-2) | | | |
| Aquatic | | | |
| Crustacea | EC50 | Water flea (Ceriodaphnia dubia) | 34.59 - 47.13 mg/l, 48 hours |
| Fish | LC50 | Western mosquitofish (Gambusia affinis) | 125 mg/l, 96 hours |
| Triethanolamine (CAS 102-71-6) | | | |
| Aquatic | | | |
| Crustacea | EC50 | Water flea (Ceriodaphnia dubia) | 565.2 - 658.3 mg/l, 48 hours |
| Fish | LC50 | Fathead minnow (Pimephales promelas) | 10610 - 13010 mg/l, 96 hours |

Persistence and degradability Expected to biodegrade.

Bioaccumulative potential No data available for this product.

Partition coefficient n-octanol / water (log Kow)

Triethanolamine -1

Mobility in soil No data available.

Other adverse effects None known.

13. Disposal considerations

Disposal instructions This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste.

Hazardous waste code Not regulated.

Waste from residues / unused products Avoid discharge into water courses or onto the ground. Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging 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. Do not re-use empty containers.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not available.

General information This material is not regulated by any mode of transportation.

15. Regulatory information

US federal regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Sodium Hydroxide (CAS 1310-73-2) Listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical Yes

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

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

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

US state regulations

US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)

Not listed.

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

Sodium Hydroxide (CAS 1310-73-2)

US. Massachusetts RTK - Substance List

Camphor USP (CAS 76-22-2)

Sodium Hydroxide (CAS 1310-73-2)

Triethanolamine (CAS 102-71-6)

US. New Jersey Worker and Community Right-to-Know Act

Camphor USP (CAS 76-22-2)

Sodium Hydroxide (CAS 1310-73-2)

Triethanolamine (CAS 102-71-6)

US. Pennsylvania Worker and Community Right-to-Know Law

Camphor USP (CAS 76-22-2)
Sodium Hydroxide (CAS 1310-73-2)
Triethanolamine (CAS 102-71-6)

US. Rhode Island RTK

Sodium Hydroxide (CAS 1310-73-2)

US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

16. Other information, including date of preparation or last revision

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|-----------------------------|--|
| Issue date | 06-17-2014 |
| Revision date | 10-20-2015 |
| Version # | 03 |
| Disclaimer | The information in the sheet was written based on the best knowledge and experience currently available. |
| Revision Information | This document has undergone significant changes and should be reviewed in its entirety. |