

Material Safety Data Sheet

BAC 50

MSDS No. MSC 110

Date of Preparation: 07/06

Revision:

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: BAC 50

MSC Part No.: 09440645

Chemical Formula: N/A

CAS Number: N/A

Other Designations: N/A

General Use: Solvent based parts washer solvent, cold parts cleaning and degreasing solvent.

HMIS	
H	1
F	2
R	0
PPE†	
†Sec. 8	

Manufacturer: Wedor Corporation, 1907 S. 89th Street, West Allis, WI 53227, Phone (414)329-9041, FAX (414)329-9043, Emergency Phone Number 1-800-424-9300.

☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

Section 2 - Composition / Information on Ingredients

Ingredient Name	CAS Number	% wt or % vol
Solvent Naphtha, Medium Aliphatic	64742-88-7	100%

Trace Impurities:

Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH IDLH
	TWA	STEL	TWA	STEL	TWA	STEL	
Solvent Naphtha, Medium Aliphatic	500 ppm	none estab.	100 ppm	none estab.	none estab.	none estab.	none estab.

Toxicity Data: Inhalation Toxicity, Some components of these blends are considered uniquely toxic in high concentrations, such as benzene (bone marrow disorders including leukemia and anemia), and n-hexane (peripheral neuropathy). However, at low concentrations at which they may be present in the blend, and at the low exposure levels at which they may be encountered as vapors, these components do not present a significant health risk. No other information is available for Oral, Skin, Dermal Toxicity.

Section 3 - Physical and Chemical Properties

Physical State: Liquid

Appearance and Odor: Water – white, Mild Odor.

Odor Threshold: N/A

Vapor Pressure: 10mm Hg @ 68 F

Vapor Density (Air=1): 5

Specific Gravity (H₂O=1, at 4 °C): 0.8

pH: No data available

Water Solubility: Insoluble in water, soluble in hydrocarbons

Boiling Point: 360-390 F, 182.2 – 198.9 C

Freezing/Melting Point: None

Viscosity: N/A

Refractive Index: N/A

Surface Tension: N/A

% Volatile: N/A

Evaporation Rate: N/A

Section 4 - Fire-Fighting Measures

Flash Point: 141 F, 60.6 C

Flash Point Method: ASTM D-56 (T.C.C.)

Burning Rate: N/A

Flammable Limits in Air

Upper Percent: 6%

Lower Percent: 0.9%

Flammability Classification: Combustible



Extinguishing Media: Use water spray (fog), dry chemical, foam, or carbon dioxide

Unusual Fire or Explosion Hazards: Dense smoke may be generated while burning. Carbon monoxide, carbon dioxide, and other oxides may be generated as products of combustion.

Hazardous Combustion Products: None

Fire-Fighting Instructions: Water may be ineffective but can be used to cool containers exposed to heat or flame to prevent vapor pressure buildup and possible container rupture.

Fire-Fighting Equipment: Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full facepiece operated in pressure-demand or positive-pressure mode.

Section 5 - Stability and Reactivity

Stability: BAC 50 is stable at room temperature in closed containers under normal storage and handling conditions.

Chemical Incompatibilities: May react with strong oxidizing agents.

Conditions to Avoid: High heat and open flames.

Section 6 - Health Hazard Information

Potential Health Effects

Primary Entry Routes: Skin and Inhalation.

Acute Effects

Inhalation: Avoid prolonged inhalation of vapors. This product may be considered a low health hazard unless inhaled in very high concentrations. Acute and chronic exposure to vapors may be irritating to the respiratory tract. Severe intoxication may lead to drowsiness, dullness, numbness, and headache followed by dizziness, weakness, and nausea. Exposure to even higher concentrations may lead to loss of consciousness and convulsions followed by death. At extremely high concentrations where oxygen displacement is a factor, asphyxiation may occur.

Eye: Avoid eye contact. This product may be slightly irritating to the eyes upon direct contact. Based on testing of similar products and/or components. Exposure to high concentrations of vapors may be irritating to the eyes.

Skin: Avoid skin contact. This product may cause slight skin irritation upon direct contact. Based on testing of similar products and/or components. Prolonged or repeated contact may result in contact dermatitis which is characterized by dryness, chapping, and reddening. May be absorbed through skin.

Ingestion: Do not ingest. Ingestion of small quantities is usually nonfatal unless aspiration occurs. Aspiration may lead to chemical pneumonitis which is characterized by pulmonary edema and hemorrhage and may be fatal. Signs of lung involvement include increased respiratory rate, often noted at the time of aspiration. Severe oral intoxication will lead to intense burning of the throat and may result in drowsiness, dullness, numbness, and headache followed by dizziness, weakness, and nausea. Loss of consciousness and convulsions followed by death may result.

Carcinogenicity: IARC, NTP, and OSHA do not list BAC 50 as a carcinogen.

Medical Conditions Aggravated by Long-Term Exposure: Drying and chapping may make the skin more susceptible to other irritants, sensitizers and disease.

Chronic Effects: None Known

Emergency and First Aid Procedures

Inhalation: If victim exhibits signs of vapor intoxication remove to fresh air. If discomfort persists seek medical attention. If breathing has stopped or is irregular, administer artificial respiration and supply oxygen if it is available. If victim is unconscious, remove to fresh air and seek immediate medical attention.

Eye Contact: Wash for 15 minutes or more, holding eyelids open. Call a physician

Skin Contact: No treatment is necessary under ordinary circumstances. Remove contaminated clothing. Wash contaminated area thoroughly with soap and water. If redness or irritation occurs and persists, seek medical attention. Use a hand or skin lotion to prevent dryness.

Ingestion: Do not induce vomiting due to aspiration hazard. If vomiting occurs lower head below knees to avoid aspiration. Seek medical attention

After first aid, get appropriate in-plant, paramedic, or community medical support.

Note to Physicians: No information available.

Special Precautions/Procedures: N/A

Section 7 - Spill, Leak, and Disposal Procedures

Personnel Safeguards: Remove all sources of ignition. Provide adequate ventilation during clean-up.

Regulatory Notifications: Notify appropriate authorities of spill.

Containment and Clean up: Contain spill immediately. Do not allow spill to enter sewers or watercourses. Absorb with solvent absorbent material. Large spills may be picked up using vacuum pumps, shovels, buckets, or other means and placed in drums or other suitable containers.

Regulatory Information: All disposals must comply with federal, state, and local regulations. Refer to state and local regulations. The material, if spilled or discarded, may be a regulated waste. Caution! If regulated solvents are used to clean up spilled material, the resulting waste mixture may be regulated. Department of Transportation (DOT) regulations may apply for transporting this material when spilled.

Regulatory Requirements: Follow applicable OSHA regulations (29 CFR 1910.120).

Disposal: Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, State, and Local regulations.

EPA Regulations:

RCRA Hazardous Waste Number: Not listed (40 CFR 261.33)

RCRA Hazardous Waste Classification (40 CFR 261.??): Not classified

CERCLA Hazardous Substance (40 CFR 302.4) unlisted specific per RCRA, Sec. 3001; CWA, Sec. 311 (b)(4); CWA, Sec. 307(a), CAA, Sec. 112

CERCLA Reportable Quantity (RQ): N/A

SARA 311/312 Codes: Unlisted product under section 313 of the Emergency Planning and Community Right to Know Act of 1986 and of 40 CFR 372 Ingredient Unlisted: This product is not known to contain any SARA, Title III, Section 313

Reportable Chemicals at or greater than 1.0% (0.1% for carcinogens)

SARA Toxic Chemical (40 CFR 372.65): Ingredient listed: Not Listed

SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed, Threshold Planning Quantity (TPQ)

U.S. TSCA Inventory: All components of this material are on the US TSCA Inventory.

OSHA Regulations:

Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A): Not listed

OSHA Specifically Regulated Substance (29CFR 1910.????): Not listed

Regulatory Search Results: SOLVENT NAPHTHA, MEDIUM ALIPHATIC: 50, 80,81,83,84

Inventories: 80 – Canada – Domestic substances, 81 – European – EINECS, 82-Japan-ENCS, 83 –Korea-Existing and evaluated chemical substances, 84-US-TSCA.

State Lists: This product may contain a detectable amount of benzene CAS 71-43-2 and toluene CAS 108-88-3 These chemicals are known to the State of California to cause birth defects or other reproductive harm.

Section 8 - Exposure Controls / Personal Protection

Engineering Controls:

Ventilation: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

Administrative Controls:

Respiratory Protection: Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH-approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. For emergency or nonroutine operations (cleaning spills, reactor vessels, or storage tanks), wear an SCBA.

Warning! Air-purifying respirators do not protect workers in oxygen-deficient atmospheres. If respirators are used, OSHA requires a written respiratory protection program that includes at least: medical certification, training, fit-testing, periodic environmental monitoring, maintenance, inspection, cleaning, and convenient, sanitary storage areas.

Protective Clothing/Equipment: Wear chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles, per OSHA eye- and face-protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

Safety Stations: Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

Contaminated Equipment: Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

Section 9 - Special Precautions and Comments

Handling Precautions: Do not open or use in unventilated, enclosed or confined spaces. All ignition sources in the area should be controlled. Fire extinguishers should be kept readily available. See NFPA 30 and OSHA 1910.106 – Flammable and Combustible Liquids

Use Precautions: Keep away from heat and flames. Avoid breathing of mists and vapors. Use only in well ventilated areas. Avoid skin contact. Wash thoroughly after handling.

Attention: Contains petroleum distillates. Prolonged and repeated skin contact can cause skin disorders.

Storage Requirements: Do not transfer to unmarked containers. Store in a cool, well ventilated area in closed containers away from heat, sparks, open flame or oxidizing materials.

DOT Transportation Data (49 CFR 172.101):

Shipping Name: Not Regulated as a Hazardous Material for Non-bulk Packaging only (less than 119 gallons).

Shipping Symbols: N/A

Hazard Class: N/A

ID No.: N/A

Packing Group: N/A

Label: N/A

Special Provisions (172.102):

N/A

Packaging Authorizations

a) **Exceptions:** N/A

b) **Non-bulk Packaging:** N/A

c) **Bulk Packaging:** N/A

Quantity Limitations

a) **Passenger, Aircraft, or Railcar:** N/A

b) **Cargo Aircraft Only:** N/A

Vessel Stowage Requirements

a) **Vessel Stowage:** N/A

b) **Other:** N/A

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Revision Notes:

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