

SAFETY DATA SHEET

Material Identity: BRAKE CLEANER

SECTION 1 - COMPANY AND PRODUCT IDENTIFICATION

Manufacturer:

International Epoxies & Sealers
San Antonio, FL 33576

Emergency Phone INFOTRAC: (800) 535-5053**General Information:** (352) 588-2400**Synonyms:** Petroleum Hydrocarbon Blend, M.S. Solvent 86**Product Description:** Cleaner Solvent

SECTION 2- HAZARDS IDENTIFICATION

GHS Classification:**[Health]**

Aspiration hazard Category 1

Skin irritation Category 2

Eye irritation Category 2A

Specific target organ toxicity - single exposure (Category 3), Central nervous system

[Environmental]

Acute Aquatic Toxicity Category 1

Chronic aquatic toxicity Category 1

[Physical]

Flammable Liquid Category 2

GHS Label elements, including precautionary statements**Pictograms****Signal Word:** Danger**Hazard statement(s)**

H225 Highly flammable liquid and vapor.

H303 May be harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H315 Causes serious eye and skin irritation.

H336 May cause drowsiness or dizziness.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statement(s)

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, and lighting equipment.

P242: Use only non-sparking tools. P243: Take precautionary measures against static discharge.

P260 Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.

P264: Wash skin thoroughly after handling.

P271: Use only outdoors or in a well-ventilated area.

P273: Avoid release to the environment.

P280: Wear protective gloves and eye / face protection.

P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P302 + P352: IF ON SKIN: Wash with plenty of soap and water.

P303 + P361 + P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

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.

P304 + P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312: Call a POISON CENTER or doctor/physician if you feel unwell.

P331: Do NOT induce vomiting.

P332 + P313: If skin irritation occurs: Get medical advice/ attention.

P362 + P364: Take off contaminated clothing and wash it before reuse.

P370 + P378: In case of fire: Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish.

P391: Collect spillage. P403 + P235: Store in a well-ventilated place. Keep cool.

P405: Store locked up.

P501: Dispose of contents and container in accordance with local regulations.

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SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS Number	%WT
Heptane	426260-76-6	85
Methanol	67-56-1	10
Isopropyl Alcohol	67-63-0	05

SECTION 4- FIRST AID MEASURES

FIRST AID PROCEDURES:

Eyes: Flush with large amounts of cool running water for at least 15 minutes. If irritation persists seek medical attention.

Skin: Remove contaminated clothing. Wash exposed skin with soap and water. If severe irritation develops seek medical attention.

Inhalation: For excessive inhalation remove to fresh air. If breathing is difficult or tightness of the chest, is dizzy or lethargic give oxygen. Seek medical attention.

Ingestion: DO NOT induce vomiting unless instructed by a physician. Drink large quantities of water or milk. Seek medical attention.

SECTION 5 - FIRE FIGHTING MEASURES

Extinguishing Media: To extinguish flames use water fog, dry chemical, carbon dioxide or foam to extinguish flames.

Fire Fighting Procedures: EXTREMELY FLAMMABLE! Evacuate the area. Cool fire-exposed containers with water fog to prevent container weakening and possible rupture. Self-contained breathing apparatus (SCBA) in positive pressure mode, full bunker gear or structural firefighter's protective clothing are recommended.

Fire and Explosion Hazards: Vapors are heavier than air. Concentrated vapors will travel great distances and can be ignited by an open ignition source causing a flashback fire danger.

SECTION 6 - ACCIDENTAL RELEASE AND DISPOSAL MEASURES

Small Spill: Stop source of spill. Remove all ignition sources. Salvage as much material as possible for possible re-use. Absorb residual on inert media and collect into suitable container.

Large Spill: Shut off or plug source of spill. Dike spill area to contain spill. Salvage as much material as possible for possible re-use. Absorb residual on inert media and collect into suitable container. Avoid contaminating ground and surface water.

Waste Disposal Method: Do not flush to drain. Follow local, state and federal regulations for disposal.

SECTION 7 - STORAGE AND HANDLING

Handling and Storage: Do not use in confined spaces. Always store in tightly sealed, properly labeled original container. Containers should be grounded to prevent static sparks. Store in a cool, dry well ventilated area, away from acute fire hazards. Use non-sparking tools and equipment.

Other Precautions: Follow Label Instructions and Precautions.

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SECTION 8 · EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Provide explosion-proof ventilation or other engineering controls to keep the airborne concentrations of vapor or mists below the applicable workplace exposure limits indicated below.

Exposure Limits:	Heptane	400 ppm ACGIH	500 ppm OSHA
	Methanol	200 ppm ACGIH	200 ppm OSHA
	Isopropyl Alcohol	400 ppm ACGIH	400 ppm OSHA

Personal Protective Equipment (PPE):

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133.

Skin: If prolonged or repeated skin contact is likely, wear appropriate protective gloves.

Clothing: Selection of protective clothing depends on work conditions, potential exposure conditions and may include gloves, boots, suits and other protective items.

Respirators: Where adequate ventilation is not available an approved respirator must be worn. Respirator selection, use and maintenance should be in accordance with the requirements of OSHA Respiratory Protection Standard, 29 CFR 1920.134. In confined areas, use a self-contained breathing apparatus.

Other Equipment: Eye wash station and shower in close proximity to use are advised.

SECTION 9 · PHYSICAL and CHEMICAL PROPERTIES

Flash Point: 29 °F

Autoignition Temperature: 296 °F

Boiling Point: 201 °F

Melting Point: -140 °F

Vapor Pressure: 45 mmHg

Vapor Density (Air-1): 1.1

Odor/Appearance: Clear liquid with mild solvent odor.

Flammable Limits: Lower: 1.0 Upper: 8

Specific Gravity: 0.699

Volatile %: 100

Evaporation Rate (BuAc=1): 7.1

pH: Not applicable

Solubility in Water: Negligible

SECTION 10 · STABILITY AND REACTIVITY

Stability: Stable under normal use conditions.

Conditions to Avoid: Prevent vapor accumulation. Keep away from heat, sparks and open flames.

Incompatibility: Avoid contact with strong alkalis, acids and oxidizing agents.

Hazardous Decomposition Products: Oxides of Carbon and a mixture of various hydrocarbons.

Hazardous Polymerization: Not expected to occur.

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SECTION 11 - TOXICOLOGICAL INFORMATION

Skin: Repeated or prolonged contact can cause redness, irritation, cracking and dryness.

Eyes: Liquid contact may cause temporary discomfort, redness and stinging. Vapors may be irritating to the eyes.

Inhalation: High vapor concentrations may be irritating to the respiratory tract. Breathing of vapor may cause central nervous system depression, resulting in dizziness, light-headedness, headache, and loss of coordination.

Ingestion: Liquid can directly enter the lungs (aspiration) when swallowed or vomited. Serious lung damage may result and possibly fatal chemical pneumonia can develop if this occurs.

Acute oral toxicity:

Heptane: LD50 rat: 5840 mg/kg

Isopropyl Alcohol: LD50 mouse: 1870 mg/kg

Methanol: LD50 rat: 5628 mg/kg

Acute inhalation toxicity:

Heptane: LD50 rat: 23.3 mg/l 4h

Isopropyl Alcohol: LC50 rat: 4000 mg/kg, 8 hours

Methanol: LC50 rat: 83.2 mg/L

Acute dermal toxicity:

Heptane: LD50 rabbit: 2920 mg/kg

Isopropyl Alcohol: LD50 rabbit: 4060 mg/kg

Methanol: LD50 rabbit: 15800 mg/kg

SECTION 12 - ECOLOGICAL INFORMATION

When released into the soil, this material may biodegrade to a moderate extent. When released into the soil, this material is not expected to leach into groundwater. When released into the soil, this material is expected to quickly evaporate. When released into water, this material may biodegrade to a moderate extent. When released to water, this material is expected to quickly evaporate.

SECTION 13 - DISPOSAL CONSIDERATIONS

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved incinerator or disposed in a RCRA approved waste facility.

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

SECTION 14 - TRANSPORTATION

U.S. DEPARTMENT OF TRANSPORTATION (Road or Rail):

Proper Shipping Name: Flammable Liquid, n.o.s. (contains Heptane, Methyl Alcohol, Isopropyl Alcohol)

Hazard Class: 3

UN Number: 1993

Packaging Group: 2

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SECTION 15 · REGULATORY INFORMATION

US FEDERAL REGULATIONS

Comprehensive Environmental Response and Liability Act (CERCLA)

This material is not subject to any special reporting under the requirements of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA).

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. The reportable quantity (RQ) for this material has not been established.

Toxic Substance Control Act (TSCA): All components of this product are listed on the TSCA inventory list.

SARA Section 311/312 Hazard Categories:

Fire Hazard, Acute Health Hazard

SARA Section 313 Hazard Categories: This material contains no chemicals subject to the supplier notification requirements of the SARA 313 Toxic Release Program.

Clean Water Act: None of the chemicals in this product are listed as Hazardous Substances under the CWA

Clean Air Act: This product contains Heptane a chemical listed as Hazardous Substances under the CAA.

California Prop 65: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16 · OTHER INFORMATION

MSDS Revision Date: April 2015

NFPA Ratings: **HEALTH: 2** **FLAMMABILITY: 3** **REACTIVITY: 0**

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall IES be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if IES has been advised of the possibility of such damages. The vendor assumes no responsibility for injury or damages resulting from the inappropriate alteration or manipulation of this MSDS and its contents from that originally submitted by IES.