

# INFRAKOTE INSTALLATION MANUAL



**fast  heat**

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## Technical Information

Boiling Point (F) = Not Applicable      Melting Point = Not Applicable      Vapour Pressure (PSIG) = Not Applicable  
 Vapour Density (Air = 1) = Not Applicable      Solubility in Water = None      Specific Gravity (Water = 1) = 1.3  
 Reactivity in Water = None      Percent Volatile by Volume (%) = 0      Evaporation Rate (Ether = 1) = 0  
 Appearance = Silver / Grey Paste      Odour = Grease-like

## The Melting Point Of Various Fillers

Copper = 1083C (1981F)      Aluminium = 66C (1220F),  
 Graphite (Air) = 400C (750F) - 595C (1100F)      Graphite (Reduced Oxygen) = 3700C (6700F)

## Product Information

Manufacturer / Distributor: IMS Company, 10373 Stafford Road, Chagrin Falls, OH44023-5296, USA  
 Product Numbers: HBXX-1KB2, -1KB16

## Hazardous Material Identification System

Health	1	In the HMIS system, the higher the number listed, the greater the hazard, 0 meaning minimal hazard, and 4 meaning severe hazard. The X in the protection column means to consult your supervisor. The HMIS system may not be adequate to convey the necessary hazard information associated with this product. HMIS ratings can be used when specific training on the information contained in this MSDS is also provided.
Flammability	1	
Reactivity	0	
Protection	X	

## Hazardous Ingredients

Chemical / Common Name	CAS-Number	%	PEL-OSHA	TLV-ACGIH
Petroleum Grease *	mixture	20 to 50	None	None
Petroleum Oil *	mixture	15 to 40	5 mg/m <sup>3</sup> (mist)	5 mg/m <sup>3</sup> (mist)
Graphite	7782-42-5	10 to 25	2.5 mg/m <sup>3</sup>	2.5 mg/m <sup>3</sup>
Copper, as Fume or Dust +	7440-50-8	3 to 30	1 mg/m <sup>3</sup>	1 mg/m <sup>3</sup>
Aluminium, as Fume or Dust +	7429-90-5	2 to 10	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>
Corrosion Inhibitor (no Nitrates)	Trade Secret	0.5 to 5	N.E.	N.E.

Does this product contain hazardous ingredients? - Yes

Does this product contain carcinogens (NTP, IARC or OSH)? - No

\* = Severely hydro treated and refined

N.E. = Not Established

+ = Subject to SARA Title III Sec. 313 reporting requirements?

## Physical Hazard

Extinguishing Media: Carbon Dioxide, Foam, Dry Chemical.  
 Special Fire Fighting Procedures: Will not burn unless preheated. Water fog may be used to cool the containers but do not spray directly into large containers of burning liquid as frothing may occur.  
 Unusual Fire & Explosion Hazards: Will not flash spontaneously. Stable at ambient temperatures and pressures. Toxic fumes may be evolved on burning or exposure to heat.  
 Incompatibility (Materials to avoid): Strong Oxidisers.  
 Hazardous Decomposition Products: Not established, but noxious or toxic fumes could be generated.  
 Will Hazardous Polymerisation Occur?: No.  
 Is the product stable?: Yes.

## Health Hazard Data

	Health Effect	First Aid Procedure
Ingestion	Not expected to cause an acute reaction. Aspiration into lungs during vomiting can cause chemical pneumonia, which may be fatal.	If ingested, do not induce vomiting. Use gastric lavage. Get medical help at once.
Inhalation	Not likely under normal conditions. Under high temperature applications, fumes may cause dizziness or irritation.	Remove to fresh air.
Eye	May cause mechanical irritation if rubbed into eyes.	Flush thoroughly with water for 15 minutes, lifting the eyelids. If irritation persists, consult a physician.
Skin	Minimal irritation.	Wash with soap and warm water prior to smoking or eating.

## Spill Or Leak Procedures

Steps to take if material is released or spilled: Scrape up into disposal containers. Absorb residue.  
 Waste disposal methods: Consult Federal, State or Local regulations.

## Exposure Control Information

Ventilation: Usually not specifically required. In high temperature applications the product may smoke, use a local exhaust or ventilate the area to maintain air quality, or use an approved organic vapour respirator.  
 Respiratory Protection: Usually none.  
 Eye Protection: Safety glasses recommended.  
 Protective Gloves: Use latex gloves if needed to avoid long-term or repeated contact.  
 Other Protective Equipment: As required by your company.  
 Work Practices: Avoid long-term or repeated contact.  
 Hygienic Practices: Wash thoroughly before eating or smoking after using this or any chemical product

## Special Precautions

Precautions to be taken in handling & storage: Eliminate open flames, strong oxidisers, and other sources of ignition from the storage area. Keep containers closed to avoid contamination from airborne dust, etc. Observe applicable fire codes.

Maintenance Procedures: Do not remove or deface label.

Other Precautions: As per petroleum-based products.

*The information contained herein is accurate to the best of our knowledge. However, Fast Heat Limited (as representatives of IMS Company) assumes no liability for the accuracy or completeness of the information. We cannot guarantee that the hazards described herein are the only hazards that exist. Any material may present unknown hazards and should be used with caution. Final determination of the suitability of any material is the sole responsibility of the user.*