

Section 1. Product and Company Identification

Product Name	: Ingersoll Rand # 100 Grease
Product Use	: Lubricant
Validation Date	: 11/08/2011
In Case of Emergency	: 1-800-TOOL HLP 1-800-866-5457
MSDS authored by:	: Ingersoll Rand Industrial Technologies 800-A Beaty Street, P.O. Box 1600, Davidson, NC 28036
Product and/or component(s)	: None
Carcinogenic According to	
WHMIS Rating	: This product is Not Controlled according to WHMIS criteria.

Section 2. Hazardous Ingredients

Name	CAS Number	Range in %
Non-hazardous mixture of components in highly refined base oil.	-	100%

Section 3. Physical Data

Appearance	: Semi-solid
Odor	: Mild odor
Vapor Pressure	: Not applicable.
Vapor Density (air = 1)	: Not applicable.
Boiling Point (degrees C)	: Not applicable.
Melting/Freezing point (degrees C)	: Not determined.
pH of undiluted product	: Not applicable.
Specific Gravity (water=1)	: Not determined.
Solubility in Water (%)	: Not determined.
Viscosity (degrees C)	: Not applicable.
VOC Content	: Not determined.
Other	: None

Section 4. Fire or Explosion Data

Ignition Temperature - AIT (degrees C)	: Not determined.
Flash Point (degrees C)	: Not applicable.
Recommended Fire Extinguishing Agents and Special Procedures	: Use water spray, dry chemical, foam, or carbon dioxide to extinguish flames. Use water spray to cool fire-exposed containers. Water or foam may cause frothing.
Extinguishing media which must not be used	: Water Jet.
Product Evolved When Subjected to Heat or Combustion	: Toxic levels of carbon monoxide, carbon dioxide, irritating aldehydes and ketones.
Unusual or Explosive Hazards	: None
Special Protective Equipment for Firefighters:	: Other than normal protective fire-fighting equipment, no special equipment or procedures required.

Section 5. Reactivity Data

This material reacts violently with	: Strong Oxidizers
Comments	: None
Hazardous Polymerizations	: No

Section 6. Toxicological Properties

Primary Route of Exposure

- Eyes** : -
- Skin** : -
- Inhalation** : -

Effects of Overexposure

- Acute** : -
- Eyes** : May cause minimal irritation, experienced as temporary discomfort.
- Skin** : Brief contact is not irritating. Prolonged contact, as with clothing wetted with material, may cause defatting of skin or irritation, seen as local redness with possible mild discomfort. Other than the potential skin irritation effects noted above, acute (short term) adverse effects are not expected from brief skin contact, see other effects, below, for information regarding potential long term effects.
- Inhalation** : Vapors or mist, in excess of permissible concentrations, or in unusually high concentrations generated from spraying, heating the material or as from exposure in poorly ventilated areas or confined spaces, may cause irritation of the nose and throat, headache, nausea, and drowsiness.
- Ingestion** : If more than several mouthfuls are swallowed, abdominal discomfort, nausea, and diarrhea may occur.
- Chronic** : No adverse effects have been documented in humans as a result of chronic exposure.
- Sensitization Properties** : Unknown.
- Medical Conditions Aggravated by Over Exposure** : Because of its defatting properties, prolonged and repeated skin contact may aggravate an existing dermatitis (skin condition).
- Exposure Control for Total Product** : None established for product. For Mineral oil mist: OSHA PEL-TWA 5 mg/m³, ACGIH TLV-TWA 5 mg/m³.
- Other Remarks** : Material from high pressure equipment, pinhole leaks, or high pressure line failure can penetrate the skin and, if not properly treated, can cause severe injury, including disfigurement, loss of function, or even require amputation of the affected area. To prevent such serious injury, immediate medical attention should be sought even if the injection injury appears to be minor.

Toxicological Information (Animal Toxicity Data)

Median Lethal Dose

- Oral** : LD50 Believed to be > 5.00 g/kg (rat) practically non-toxic
- Inhalation** : Not determined.
- Dermal** : LD50 Believed to be > 2.00 g/kg (rabbit) practically non-toxic

Irritation Index, Estimation of Irritation (Species)

- Skin** : (Draize) Believed to be < 0.5 / 8.0 (rabbit) no appreciable effect
- Eyes** : (Draize) Believed to be < 15/110 (rabbit) no appreciable effect
- Sensitization** : Not determined.
- Other** : None
- Aquatic Toxicity** : Not determined.
- Mobility** : Not determined.
- Persistence and Biodegradability** : Not determined.
- Potential to Bioaccumulate** : Not determined.
- Remarks** : None

Section 7. Preventative Measures

Precautionary Measures	: Avoid prolonged breathing of vapor, mist, or gas. Workers should wash exposed skin several times daily with soap and water.
Protective Equipment (Type)	
Eye/Face Protection	: Safety glasses, chemical type goggles, or face shield recommended to prevent eye contact.
Skin Protection	: Workers should wash exposed skin several times daily with soap and water. Soiled work clothing should be laundered or dry-cleaned.
Respiratory Protection	: Airborne concentrations should be kept to lowest levels possible. If vapor, mist or dust is generated and the occupational exposure limit of the product, or any component of the product, is exceeded, use appropriate NIOSH or MSHA approved air purifying or air supplied respirator after determining the airborne concentration of the contaminant. Air supplied respirators should always be worn when airborne concentration of the contaminant or oxygen content is unknown.
Ventilation:	: Not applicable.
Procedures in Case of Accidental Release, Breakage or Leakage	: Contain spill if possible, contain with absorbent materials such as clay or soil, and shovel up. Avoid skin and eye contact.
Waste Disposal Methods	: Dispose of this product in accordance with local and/or national regulations.
Remarks	: None
Precautions to be taken in	
Handling	: Minimum feasible handling temperatures should be maintained.
Storage	: Periods of exposure to high temperatures should be minimized. Water contamination should be avoided.
DOT	: Not regulated
IMDG	: Not regulated
ICAO	: Not evaluated
TDG	: Not regulated
Regulatory Information	
Regulatory Comments	: This product, or its components, are listed on or are exempt from the Canadian Domestic Substances List (DSL). This product, or its components, are listed on or are exempt from the Toxic Substance Control Act (TSCA) Chemical Substance Inventory.
Other Information	: None

Section 8. First Aid Measures

Eyes	: Flush eyes with plenty of water for several minutes. Get medical attention if eye irritation persists.
Skin	: Wash skin with plenty of soap and water for several minutes. Get medical attention if skin irritation develops or persists.
Ingestion	: If more than several mouthfuls of this material are swallowed, give two glasses of water (16 oz.). Get medical attention.
Inhalation	: If irritation, headache, nausea, or drowsiness occurs, remove to fresh air. Get medical attention if breathing becomes difficult or respiratory irritation persists.
Other Instruction	: Remove and dry-clean or launder clothing soaked or soiled with this material before reuse. Dry cleaning of contaminated clothing may be more effective than normal laundering. Inform individuals responsible for cleaning of potential hazards associated with handling contaminated clothing.
Note to Physician	: High pressure injection of material can cause severe injury. Failure to debride the wound of all residual material can result in disfigurement, loss of function, or may require amputation of the affected area.

NOTICE:

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