



### 1. Product and Company Identification

PRODUCT NAME: **INVOIL 32**  
MATERIAL USES: Lubricating Oil  
COMPANY: Inland Vacuum Industries  
35 Howard Ave  
Churchville NY 14428  
(585) 293-3330  
VALIDATION DATE: 3/1/2016

### 2. Hazards Identification

**GHS Classification:**

Physical Hazards Not applicable to the GHS Classification  
Health Hazards Acute Toxicity - Dermal Category 5  
Environmental Hazards Not applicable to the GHS Classification  
Hazardous to Aquatic Environment

**Label Elements:**

Pictograms/Symbols None  
Signal Word Warning  
Hazard Statements May be harmful in contact with skin  
Precautionary Statements [Prevention]  
None  
[Response]  
Call a POISON CENTER/doctor if you fell unwell.  
[Storage]  
None  
[Disposal]  
None

### 3. Composition/information on ingredients

This material is defined as a mixture.

Chemical Name/Generic Name: Alkyl diphenyl ether, Lubricating oil additive

Ingredient and Concentration	Alkyl diphenyl ethel	98-100%
	Lubricating Oil Additive	≤2%

### 4. First aid measures

Eye Contact: Check for and remove any contact lenses. In case of contact with eyes, rinse immediately with plenty of water. Get medical attention if symptoms occur.

Skin Contact: Wash with soap and water. Get medical attention if symptoms occur.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms appear.

Ingestion: Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.

Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

Notes to physician: No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

### 5. Fire-fighting measures

Flammability of the product: May be combustible at high temperature.

## Extinguishing media

Suitable: Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.

Not Suitable: Jet Water

Hazardous thermal decomposition products: No specific data

Special protective equipment for fire-fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## 6. Accidental release measures

**Personal precautions:** No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).

**Environmental precautions:** Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods for cleaning up

**Small spill:** Stop leak if without risk. Move containers from spill area. Dispose of via a licensed waste disposal contractor.

**Large spill:** Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 13 for waste disposal.

## 7. Handling and storage

**Handling:** Put on personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not breathe vapor or mist. Do not ingest. Avoid contact with eyes, skin and clothing. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

**Storage:** Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## 8. Exposure controls/personal protection

Consult local authorities for acceptable exposure limits.

**Recommended monitoring procedures:** If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

**Engineering measures:** No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

**Hygiene measures:** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing.

### Personal protection

**Eyes:** Safety glasses

Skin: Lab coat  
Respiratory: A respirator is not needed under normal and intended conditions of use  
Hands: Natural rubber (latex)

Personal protective equipment (pictograms)



HMIS Code/Personal protective equipment: B

Environmental exposure controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## 9. Physical and chemical properties

### GENERAL INFORMATION

**Physical State:** Liquid  
**Form:** Clear  
**Color:** light yellow  
**Odor:** Mild  
**Odor Threshold:** N/D

### IMPORTANT HEALTH, SAFETY, AND ENVIRONMENTAL INFORMATION

**Relative Density (at 15 °C):** 0.93 g/cm<sup>3</sup>  
**Flammability (Solid, Gas):** N/A  
**Flash Point [Method]:** >220°C (COC)  
**Flammable Limits (Approximate volume % in air):** LEL: N/D UEL: N/D  
**Autoignition Temperature:** N/D  
**Boiling Point / Range:** 150°C /0.1mmHg (13Pa)  
**Decomposition Temperature:** N/D  
**Vapor Density (Air = 1):** N/D  
**Vapor Pressure:** N/D  
**Evaporation Rate (n-butyl acetate = 1):** N/D  
**pH:** N/A  
**Log Pow (n-Octanol/Water Partition Coefficient):** N/D  
**Solubility in Water:** Insoluble in water  
**Viscosity:** 28 cSt (28 mm<sup>2</sup>/sec) at 40 °C  
**Oxidizing Properties:** See Hazards Identification Section.

### OTHER INFORMATION

**Freezing Point:** N/D  
**Melting Point:** N/D  
**Pour Point:** ≤-15°C

## 10. Stability and reactivity

**Stability:** The product is stable  
**Hazardous polymerization:** Under normal conditions of storage and use, hazardous polymerization will not occur.  
**Conditions to avoid:** No specific data  
**Materials to avoid:** Reactive or incompatible with the following materials: oxidizing materials.  
**Hazardous decomposition products:** Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11. Toxicological information

Acute Toxicity:	
Oral	ATEmix(Oral) > 5000mg/kg can be estimated (based on GHS Classification).
Dermal	ATEmix(Dermal) ≥ 2000mg/kg can be estimated (based on GHS Classification). Classified into Acute Toxicity (Dermal) Category 5 as mixture.
Inhalation	Information is not classified as Acute Toxicity (Inhalation).
Skin Corrosion/Irritation	Information is not classified as Skin Corrosion/Irritation.
Serious Eye Damage/Eye Irritation	Information is not classified as Serious Eye Damage/Eye Irritation.
Respiratory or Skin Sensitization	Information is not classified as Respiratory or Skin Sensitization.
Germ Cell Mutagenicity	Information is not classified as Germ Cell Mutagenicity.
Carcinogenicity	Information is not classified as Carcinogenicity.
Reproductive Toxicity	Information is not classified as Reproductive Toxicity.
STOT/Systemic Toxicity - Single Exposure	Information is not classified as Specific Target Organ Toxicity/Systemic Toxicity (Single Exposure).
STOT/Systemic Toxicity – Repeated Exposure	Information is not classified as Specific Target Organ Toxicity/Systemic Toxicity (Repeated Exposure).
Aspiration Hazard	Information is not classified as Aspiration Hazard.

## 12. Ecological information

Ecotoxicity Information is not classified as Aquatic Toxicity.

Persistence and Degradability	No information available
Bioaccumulative Potential	No information available
Mobility in Soil	No information available
Other Adverse Effects	No information available
Environmental Criteria	No information available

## 13. Disposal considerations

Waste disposal: The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations. Refer to section 7: Handling and storage and section 8: Exposure controls/personal protection for additional handling information and protection of employees.

## 14. Transport information

International Regulation	
UN Classification	Not applicable
Special Precautions	Load the containers in a manner that they are certain not to result in direct sunlight exposure, damage, corrosion, leak, while being transported. Do not place heavy load on top of the container.

## 15. Regulatory information

No Information

## 16. Other information

N/D = Not determined, N/A = Not applicable

The customer is responsible for determining the PPE code for this material.

Revision Date : 03/01/2016

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