SAFETY DATA SHEET

IR XL-740HT

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: IR XL-740HT

Product Use Description: Lubricant

Company:

DISTRIBUTOR
INGERSONI RAND
800D BEATY ST
DAVIDSON, NC
28036
United States of America

Telephone: +01 704-655-4000

Emergency telephone number:

U.S.24-Hour Emergency #: 800-424-9300
Outside U.S. Emergency #: +01 703-527-3887

Prepared by

Product Safety Department
(US) +1 866-430-2775

Recommended use of the chemical and restrictions on use

Recommended use: Lubricant

SECTION 2. HAZARDS IDENTIFICATION

Form: liquid

Colour: green

Odour: mild

GHS Classification

Skin sensitisation: Category 1
Acute aquatic toxicity: Category 3
Chronic aquatic toxicity: Category 3
GHS Label element

Signal word : Warning

Hazard pictograms : ![Exclamation Mark]

Hazard statements : H317 May cause an allergic skin reaction.  
H412 Harmful to aquatic life with long lasting effects.

Other hazards : None

Precautionary statements :

Prevention:
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P273 Avoid release to the environment.  
P280 Wear protective gloves.

Response:
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.  
P363 Wash contaminated clothing before reuse.

Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Carcinogenicity:

IARC
No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA
No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP
No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Concentration (%)</th>
</tr>
</thead>
</table>

SAP 6.0  SDS 2012-2  NA GHS
**SECTION 4. FIRST AID MEASURES**

If inhaled:  Remove victim to fresh air and keep at rest in a position comfortable for breathing.
If not breathing, give artificial respiration.
Call a physician or poison control centre immediately.
If breathing is difficult, give oxygen.
Keep respiratory tract clear.

In case of skin contact:  Wash off with soap and plenty of water.
If symptoms persist, call a physician.
Take off contaminated clothing and wash before reuse.

In case of eye contact:  If eye irritation persists, consult a specialist.

If swallowed:  Rinse mouth with water.
If victim is fully conscious, give a cupful of water.
DO NOT induce vomiting unless directed to do so by a physician or poison control center.
Never give anything by mouth to an unconscious person.
Do not give milk or alcoholic beverages.
Obtain medical attention.

Most important symptoms and effects, both acute and delayed:  No information available.

Notes to physician:  No information available.

**SECTION 5. FIREFIGHTING MEASURES**

Suitable extinguishing media:  Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific hazards during firefighting:  Burning produces irritant fumes.
Burning produces noxious and toxic fumes.

Specific extinguishing methods:  Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Special protective equipment:  Wear full protective clothing and self-contained breathing
SECTION 6. ACCIDENTAL RELEASE MEASURES

Environmental precautions : No special environmental precautions required.

Methods and materials for containment and cleaning up : Wipe up with absorbent material (e.g. cloth, fleece). Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling : For personal protection see section 8. No special handling advice required.

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.

Materials to avoid : Strong acids and strong bases

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS Number</th>
<th>TWA</th>
<th>Control Parameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>N-1-naphthylaniline</td>
<td>90-30-2</td>
<td>TWA</td>
<td>10 ml/m3</td>
</tr>
<tr>
<td>diphenylamine</td>
<td>122-39-4</td>
<td>TWA</td>
<td>10 mg/m3</td>
</tr>
</tbody>
</table>

Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection
Remarks : For prolonged or repeated contact use protective gloves.

Eye protection : Safety glasses

Skin and body protection : Protective suit

Hygiene measures : General industrial hygiene practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid
SAFETY DATA SHEET

IR XL-740HT

Version: 1.0
Revision Date: 2018.05.1
Print Date: 2018.05.1

Color: green
Odor: mild
Odour Threshold: No data available
pH: Not applicable
Melting point/range: No data available
Boiling point/boiling range: > 400 °C
Evaporation rate: No data available
Upper explosion limit: No data available
Lower explosion limit: No data available
Vapour pressure: No data available
Relative density: 0.96
Density: No data available

Solubility(ies):
Water solubility: slightly soluble
Solubility in other solvents: No data available

Partition coefficient: n-octanol/water: No data available
Auto-ignition temperature: No data available
Thermal decomposition: No data available
Viscosity
Viscosity, kinematic: No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity: Stable under recommended storage conditions.
Chemical stability: No decomposition if stored and applied as directed.
Possibility of hazardous reactions: No hazards to be specially mentioned.
Conditions to avoid: No data available
Incompatible materials: Strong acids and strong bases
Hazardous decomposition products: No hazardous decomposition products are known.

SECTION 11. TOXICOLOGICAL INFORMATION

SAP 6.0 SDS 2012-2 NA GHS

RELEASED 18/Sep/2019 16:51:56 GMT

SDS Number: 400000002227
Acute oral toxicity (Product) : Acute toxicity estimate: > 5,000 mg/kg
Method: Calculation method

Acute inhalation toxicity (Product) : Acute toxicity estimate: > 40 mg/l
Exposure time: 4 h
Method: Calculation method

Acute dermal toxicity (Product) : Acute toxicity estimate: > 5,000 mg/kg
Method: Calculation method

Skin irritation N-1-naphthylaniline (Component) : Species: Rabbit
Result: No skin irritation
Method: Draize Test
diphenylamine (Component) : Species: Rabbit
Result: Mild skin irritation

Eye irritation N-1-naphthylaniline (Component) : Species: Rabbit
Result: No eye irritation
Method: OECD Test Guideline 405
diphenylamine (Component) : Species: Rabbit
Result: Mild eye irritation

Sensitisation (Product) : Remarks: May cause sensitisation by skin contact.

Repeated dose toxicity diphenylamine (Component) : Species: Mouse, male
Application Route: Oral
Target Organs: Blood, Liver, Kidney
Exposure time: (90 d)
NOEL: 1.7 mg/kg
Lowest observed effect level: 93.8 mg/kg

Species: Mouse, female
Application Route: Oral
Target Organs: Blood, Liver, Kidney
Exposure time: (90 d)
NOEL: 2.1 mg/kg
Lowest observed effect level: 107 mg/kg
CMR effects
N-1-naphthylaniline (Component) : Carcinogenicity: Animal testing did not show any carcinogenic effects. Mutagenicity: Animal testing did not show any mutagenic effects. Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

diphenylamine (Component) : Carcinogenicity: Not classifiable as a human carcinogen. Mutagenicity: Animal testing did not show any mutagenic effects. Teratogenicity: No toxicity to reproduction Reproductive toxicity: No toxicity to reproduction

Further information (Product) : No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Toxicity to fish
N-1-naphthylaniline (Component) : LC50: 0.44 mg/l Exposure time: 96 h Species: Oncorhynchus mykiss (rainbow trout) semi-static test Analytical monitoring: yes
diphenylamine (Component) : LC50: 2.2 mg/l Exposure time: 96 h Species: Oncorhynchus mykiss (rainbow trout)

Toxicity to daphnia and other aquatic invertebrates
N-1-naphthylaniline (Component) : EC50: 0.68 mg/l Exposure time: 48 h Species: Daphnia magna (Water flea) semi-static test Analytical monitoring: yes
diphenylamine (Component) : EC50: 1.2 mg/l Exposure time: 48 h Species: Daphnia magna (Water flea)

Toxicity to bacteria
N-1-naphthylaniline (Component) : EC50: 2 mg/l Exposure time: 48 h Species: Protozoa EC50: > 10,000 mg/l Exposure time: 3 h
Species: Bacteria

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)
N-1-naphthylaniline (Component):
  NOEC: 0.02 mg/l
  Exposure time: 21 d
  Species: Daphnia magna (Water flea)
  Analytical monitoring: yes

Elimination information (persistence and degradability)

Bioaccumulation (Product): Remarks:
  No data available

Mobility (Product): Remarks:
  No data available

Biodegradability (Product): Remarks:
  No data available

Further information on ecology

Ecotoxicology Assessment

Results of PBT assessment (Product):
  No data available

Additional ecological information (Product):
  An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
  Harmful to aquatic life with long lasting effects.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues: Dispose of wastes in an approved waste disposal facility.
  The product should not be allowed to enter drains, water courses or the soil.
  In accordance with local and national regulations.
  Do not dispose of waste into sewer.
  Do not contaminate ponds, waterways or ditches with chemical or used container.

Contaminated packaging: Dispose of as unused product.
  Empty containers should be taken to an approved waste handling site for recycling or disposal.
  Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION
SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Component RQ (lbs)</th>
<th>Calculated product RQ (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>xylene</td>
<td>1330-20-7</td>
<td>100</td>
<td>*</td>
</tr>
</tbody>
</table>

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 304 Extremely Hazardous Substances Reportable Quantity

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Component RQ (lbs)</th>
<th>Calculated product RQ (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>aniline</td>
<td>62-53-3</td>
<td>5000</td>
<td>*</td>
</tr>
</tbody>
</table>

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 311/312 Hazards : Acute Health Hazard

SARA 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop 65 : WARNING! This product contains a chemical known to the State of California to cause cancer.
The components of this product are reported in the following inventories:

- **US.TSCA**: On TSCA Inventory
- **DSL**: All components of this product are on the Canadian DSL.
- **AICS**: On the inventory, or in compliance with the inventory
- **NZIoC**: On the inventory, or in compliance with the inventory
- **ENCS**: Not in compliance with the inventory
- **KECI**: On the inventory, or in compliance with the inventory
- **PICCS**: On the inventory, or in compliance with the inventory
- **IECSC**: On the inventory, or in compliance with the inventory

**SECTION 16. OTHER INFORMATION**

**Further information**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.