

ALLIED REFRIGERATION -- IMPACT - CLEANING COMPOUND, SOLVENT  
MATERIAL SAFETY DATA SHEET  
NSN: 6850013804053  
Manufacturer's CAGE: 58396  
Part No. Indicator: C  
Part Number/Trade Name: IMPACT

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**General Information**  
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Item Name: CLEANING COMPOUND, SOLVENT  
Company's Name: ALLIED REFRIGERATION INC  
Company's Street: 814 W. 45TH STREET  
Company's City: NORFOLK  
Company's State: VA  
Company's Country: US  
Company's Zip Code: 23508  
Company's Emerg Ph #: 804-489-8282/800-535-5053  
Company's Info Ph #: 804-489-8282/800-535-5053  
Record No. For Safety Entry: 003  
Tot Safety Entries This Stk#: 003  
Status: FE  
Date MSDS Prepared: 01AUG94  
Safety Data Review Date: 24JUL97  
Supply Item Manager: CX  
MSDS Serial Number: CDVYB  
Hazard Characteristic Code: F4  
Unit Of Issue: DR  
Unit Of Issue Container Qty: 55 GAL  
Type Of Container: DRUM  
Net Unit Weight: 395.7 LBS

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**Ingredients/Identity Information**  
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Proprietary: NO  
Ingredient: D-LIMONENE  
Ingredient Sequence Number: 01  
Percent: 75-85  
NIOSH (RTECS) Number: GW6360000  
CAS Number: 5989-27-5  
OSHA PEL: NOT ESTABLISHED  
ACGIH TLV: NOT ESTABLISHED  
Other Recommended Limit: NONE RECOMMENDED

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Proprietary: NO  
Ingredient: WATER  
Ingredient Sequence Number: 02  
Percent: BALANCE  
NIOSH (RTECS) Number: ZC0110000  
CAS Number: 7732-18-5  
OSHA PEL: NOT ESTABLISHED  
ACGIH TLV: NOT ESTABLISHED  
Other Recommended Limit: NONE RECOMMENDED

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Proprietary: NO  
Ingredient: COCONUT OIL DIETHANOLAMINE CONDENSATE  
Ingredient Sequence Number: 03  
Percent: 5-10

NIOSH (RTECS) Number: 1009343C0  
CAS Number: 8051-30-7  
OSHA PEL: NOT ESTABLISHED  
ACGIH TLV: NOT ESTABLISHED  
Other Recommended Limit: NONE RECOMMENDED

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Proprietary: NO  
Ingredient: NONYLPHENOL POLYETHOXATE  
Ingredient Sequence Number: 04  
Percent: 5-10  
NIOSH (RTECS) Number: MD0900000  
CAS Number: 9016-45-9  
OSHA PEL: NOT ESTABLISHED  
ACGIH TLV: NOT ESTABLISHED  
Other Recommended Limit: NONE RECOMMENDED

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Proprietary: NO  
Ingredient: DYE  
Ingredient Sequence Number: 05  
Percent: 0-5  
NIOSH (RTECS) Number: 1000093DY  
OSHA PEL: NOT ESTABLISHED  
ACGIH TLV: NOT ESTABLISHED  
Other Recommended Limit: NONE RECOMMENDED

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**Physical /Chemical Characteristics**

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Appearance And Odor: THIN ORANGE LIQUID WITH PLEASANT DODR  
Boiling Point: 335F, 168C  
Melting Point: NOT GIVEN  
Vapor Pressure (MM Hg/70 F): < 10  
Vapor Density (Air=1): > 1  
Specific Gravity: 0.864 (WATER=1)  
Decomposition Temperature: UNKNOWN  
Evaporation Rate And Ref: < 1 (WATER = 1)  
Solubility In Water: WATER EMULSIFIES  
Percent Volatiles By Volume: 90+  
pH: 11.5  
Corrosion Rate (IPY): UNKNOWN

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**Fire and Explosion Hazard Data**

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Flash Point: 130F, 54C  
Flash Point Method: TCC  
Lower Explosive Limit: 1.0  
Upper Explosive Limit: 6.0  
Extinguishing Media: FOAM, DRY CHEMICAL, CARBON DIOXIDE  
Special Fire Fighting Proc: DO NOT USE WATER.  
Unusual Fire And Expl Hazrds: DRUMS HEATED BY FIRE CAN EXPLODE.

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**Reactivity Data**

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Stability: YES  
Cond To Avoid (Stability): NONE SPECIFIED BY MANUFACTURER.  
Materials To Avoid: NONE SPECIFIED BY MANUFACTURER.  
Hazardous Decomp Products: CARBON MONOXIDE IF BURNED.  
Hazardous Poly Occur: NO

**Conditions To Avoid (Poly): NONE. WILL NOT OCCUR.**

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**Health Hazard Data**  
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LD50- LC50 Mixture: ORAL LD50 (RAT) IS UNKNOWN  
 Route Of Entry - Inhalation: YES  
 Route Of Entry - Skin: YES  
 Route Of Entry - Ingestion: YES  
 Health Haz Acute And Chronic: SKIN: DEFATTING TO SKIN WITH PROLONGED OR REPEATED CONTACT. MAY LEAD TO DRYNESS AND IRRITATION. EYES: EYE IRRITANT. MAY CAUSE REDNESS, BURNING OR TEARING. INHALATION: VAPORS/MISTS MAY BE IRRITATING TO MUCOUS MEMBRANES IN NOSE, THROAT, LUNGS. INGESTION: MAY BE IRRITATING TO MOUTH, THROAT AND GASTROINTESTINAL SYSTEM  
 Carcinogenicity - NTP: NO  
 Carcinogenicity - IARC: NO  
 Carcinogenicity - OSHA: NO  
 Explanation Carcinogenicity: NO INGREDIENT OF A CONCENTRATION OF 0.1% OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.  
 Signs/Symptoms Of Overexp: EYES: REDNESS, TEARING, BURNING, IRRITATION. SKIN: DRYNESS, DEFATTING, IRRITATION. INGESTION: MOUTH, THROAT, GI TRACT IRRITATION. INHALATION: NOSE, THROAT, LUNG IRRITATION.  
 Med Cond Aggravated By Exp: NONE SPECIFIED BY MANUFACTURER.  
 Emergency/First Aid Proc: INHALED: REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NEEDED. GIVE OXYGEN IF BREATHING DIFFICULT. GET MEDICAL ATTENTION. EYES: FLUSH WITH WATER FOR 15 MINUTES, LIFT LIDS OCCAISIONALLY. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHES. WASH WITH SOAP AND WATER. INGESTED: DO NOT INDUCE VOMITING!! DRINK LARGE QUANTITIES OF WATER. GET IMMEDIATE MEDICAL ATTENTION.

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**Precautions for Safe Handling and Use**  
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Steps If Matl Released/Spill: MOP UP OR OTHERWISE ABSORB AND HOLD FOR DISPOSAL.  
 Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.  
 Waste Disposal Method: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.  
 Precautions- Handling/Storing: AVOID CONTACT WITH EYES, SKIN AND CLOTHING. KEEP OUT OF REACH OF CHILDREN. FOR USE BY TRAINED PERSONNEL ONLY. KEEP CONTAINER CLOSED DURING STORAGE.  
 Other Precautions: FOR INSTITUTIONAL AND INDUSTRIAL USE ONLY.

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**Control Measures**  
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Respiratory Protection: USE IN WELL VENTILATED AREA.  
 Ventilation: PROVIDE LOCAL EXHAUST TO KEEP CONCENTRATIONS BELOW APPLICABLE TLVS.  
 Protective Gloves: RUBBER, NEOPRENE, PVC.  
 Eye Protection: SAFETY GLASSES/GOGGLES.  
 Other Protective Equipment: CHEMICAL RESISTANT CLOTHING AS NECESSARY TO PREVENT SKIN CONTACT. AN EMERGENCY EYEWASH AND SHOWER SHOULD BE AVAILABLE.  
 Work Hygienic Practices: WASH HANDS AFTER USE AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHES BEFORE REUSE.  
 Suppl. Safety & Health Data: NONE SPECIFIED BY MANUFACTURER.

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**Transportation Data**  
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Trans Data Review Date: 97128

DOT PSN Code: GJL  
DOT Proper Shipping Name: FLAMMABLE LIQUIDS, N. O. S.  
DOT Class: 3  
DOT ID Number: UN1993  
DOT Pack Group: III  
DOT Label: FLAMMABLE LIQUID  
IMD PSN Code: HIA  
IMD Proper Shipping Name: FLAMMABLE LIQUID, N. O. S. o  
IMD Regulations Page Number: 3345  
IMD UN Number: 1993  
IMD UN Class: 3.3  
IMD Subsidiary Risk Label: -  
IATA PSN Code: MCA  
IATA UN ID Number: 1993  
IATA Proper Shipping Name: FLAMMABLE LIQUID, N. O. S. \*  
IATA UN Class: 3  
IATA Label: FLAMMABLE LIQUID  
AFI PSN Code: MCA  
AFI Prop. Shipping Name: FLAMMABLE LIQUIDS, N. O. S.  
AFI Class: 3  
AFI ID Number: UN1993  
AFI Pack Group: III  
AFI Basic Pac Ref: A7.3  
MMAC Code: NR  
N. O. S. Shipping Name: TERPENES

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Disposal Data  
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Label Data  
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Label Required: YES  
Technical Review Date: 08MAY97  
MFR Label Number: NONE  
Label Status: F  
Common Name: IMPACT  
Chronic Hazard: NO  
Signal Word: CAUTION!  
Acute Health Hazard-Slight: X  
Contact Hazard-Slight: X  
Fire Hazard-Slight: X  
Reactivity Hazard-None: X  
Special Hazard Precautions: AVOID CONTACT WITH EYES, SKIN AND CLOTHING.  
KEEP OUT OF REACH OF CHILDREN. FOR USE BY TRAINED PERSONNEL ONLY. KEEP  
CONTAINER CLOSED DURING STORAGE. FIRST AID: INHALED: REMOVE TO FRESH AIR.  
GIVE ARTIFICIAL RESPIRATION IF NEEDED. GIVE OXYGEN IF BREATHING DIFFICULT.  
GET MEDICAL ATTENTION. EYES: FLUSH WITH WATER FOR 15 MINUTES, LIFT LIDS  
OCCAISIONALLY. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHES.  
WASH WITH SOAP AND WATER. INGESTED: DO NOT INDUCE VOMITING!! DRINK LARGE  
QUANTITIES OF WATER. GET IMMEDIATE MEDICAL ATTENTION.  
Protect Eye: Y  
Protect Skin: Y  
Label Name: ALLIED REFRIGERATION INC  
Label Street: 814 W. 45TH STREET  
Label City: NORFOLK  
Label State: VA  
Label Zip Code: 23508

**Label Country: US**

**Label Emergency Number: 804- 489- 8282/800- 535- 5053**