

GOLD EAGLE CO -- STARTING FLUID J.I. CASE 7.8 OZ -- 2910-00N027243

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Product Identification  
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Product ID:STARTING FLUID J.I. CASE 7.8 OZ  
MSDS Date:09/27/1989  
FSC:2910  
NIIN:00N027243  
MSDS Number: BNLQS  
=== Responsible Party ===  
Company Name:GOLD EAGLE CO  
Address:4400 S KILDARE  
City:CHICAGO  
State:IL  
ZIP:60632  
Country:US  
Info Phone Num:312-376-4400  
Emergency Phone Num:312-376-4400  
Preparer's Name:DEREK J. BEMIS  
CAGE:2M612  
=== Contractor Identification ===  
Company Name:GOLD EAGLE COMPANY  
Address:4400 S KILDARE BLVD.  
Box:97267  
City:CHICAGO  
State:IL  
ZIP:60632-4372  
Country:US  
Phone:773-376-4400  
CAGE:2M612

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Composition/Information on Ingredients  
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Ingred Name:CARBON DIOXIDE  
CAS:124-38-9  
RTECS #:FF6400000  
OSHA PEL:5000 PPM  
ACGIH TLV:5000PPM/30000STEL;93

Ingred Name:ETHANE, 1,1'-OXYBIS-; (ETHYL ETHER) (DIETHYL ETHER). BP:  
94F. FL PT: -56F. LEL: 1.8%. UEL: 48%.  
CAS:60-29-7  
RTECS #:KI5775000  
OSHA PEL:400 PPM;500 PPM STEL  
ACGIH TLV:400 PPM;500 PPM STEL  
EPA Rpt Qty:100 LBS  
DOT Rpt Qty:100 LBS

Ingred Name:N-HEPTANE; (HEPTANE, RELATED LIGHT HYDROCARBONS)  
CAS:142-82-5  
RTECS #:MI7700000  
OSHA PEL:500 PPM/500 STEL  
ACGIH TLV:400 PPM/500STEL;9293

Ingred Name:MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED (SEVERE)  
LIGHT NAPHTHENIC. PEL/TLV AS OIL MIST.  
CAS:64742-53-6

RTECS #:PY8036001  
OSHA PEL:5 MG/M3  
ACGIH TLV:5 MG/M3; 10 STEL

Ingred Name:METHANE, 2,2'-BIS(6-T-BUTYL-P-CRESYL)-; (2,2'-METHYLENEBIS  
(4-METHYL-6-TERTIARYBUTYL PHENOL))  
CAS:119-47-1  
RTECS #:PA3500000

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===== Hazards Identification =====

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:INHAL: DIZZINESS, STRONG ANESTHESIA,  
INTOXICATION, UNCONSCIOUSNESS. SKIN: IRRITATION UPON PROLONGED  
CONTACT, DEFATTING OF SKIN. EYE: IRRITATION.  
Explanation of Carcinogenicity:NOT RELEVANT  
Effects of Overexposure:SEE HEALTH HAZARDS.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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===== First Aid Measures =====

First Aid:INHAL: REMOVE TO FRESH AIR. ARTIFICIAL RESPIRATION, GET  
IMMEDIATE MEDICAL ATTENTION. SKIN: FLUSH AREA WELL WITH WATER.  
REMOVE AND WASH ANY CLOTHING SOAKED WITH PRODUCT. EYE: FLUSH EYES  
WELL WITH RUNNING WATER FOR AT LEAST 15 MINUTES. INGEST: CALL MD  
OR POISON CONTROL CENTER IMMEDIATELY. PROPER TREATMENT IS DEPENDENT  
ON CONDITION OF PATIENT AND AMOUNT INGESTED.

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===== Fire Fighting Measures =====

Flash Point Method:TCC  
Flash Point:SEE INGREDIENT 2  
Lower Limits:SEE ING 2  
Upper Limits:SEE ING 2  
Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, WATER-FOG OR MIST  
ONLY, ALCOHOL FOAM.  
Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA AND FULL  
PROTECTIVE EQUIPMENT . AVOID POSSIBLE ACCUMULATIONS OF FLAMMABLE  
VAPORS AT LOW LEVELS, AS VAPOR IS HVOR THAN AIR.  
Unusual Fire/Explosion Hazard:AVOID POSS BURSTING OF AEROSOL CAN. DO  
NOT STORE WHERE TEMP MAY EXCEED 120F. DO NOT PUNCTURE/ INCINERATE.  
PROD IS EXTREMELY FLAMM AT ALL TIMES. (SUPP DATA)

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===== Accidental Release Measures =====

Spill Release Procedures:KEEP AWAY FROM HEAT, FIRE, SPARKS OR FLAME.  
VENTILATE AREA WELL. CO2 MAY BE USED AS A PRECAUTIONARY VAPOR  
BLANKET. SMALL AMOUNTS MAY BE FLUSHED AWAY WITH WATER.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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===== Handling and Storage =====

Handling and Storage Precautions:DO NOT STORE WHERE TEMPERATURE MAY  
EXCEED 120F. DO NOT STORE NEAR HEAT, FIRE, FLAME, OR SPARKS.  
Other Precautions:AVOID EXCESSIVE BREATHING OF VAPOR. DO NOT SPRAY IN

DIRECTION OF BODY. USE ONLY I/A/W DIRECTIONS. AVOID CONTACT WITH SKIN, EYES, OR CLOTHING.

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===== Exposure Controls/Personal Protection =====

Respiratory Protection:IF TLV IS EXCEEDED WEAR NIOSH/MSHA APPROVED SELF-CONTAINED BREATHING DEVICE OR RESPIRATOR.  
Ventilation:MUST BE ADEQUATE TO MAINTAIN VAPORS AT LESS THAN 400 PPM, PARTICULARLY AT FLOOR LEVEL AS VAPORS ARE HEAVIER THAN AIR.  
Protective Gloves:NITRILE OR OTHER IMPERVIOUS GLOVES.  
Eye Protection:CHEMICAL WORKERS GOGGLES .  
Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.  
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.  
Supplemental Safety and Health  
APPEAR/ODOR:SLIGHT LUBRICANT RESIDUE. VP:80 PSIG IN CAN. EXPLO  
HAZ:AVOID INADVERTENT IGNIT SOURCES, INCLUDING STATIC SPK. UNSTABLE EXPLOSIVE PEROXIDES MAY BE FORMED & CONCENTRATED BY EVAP TO HAZ LEVEL S. THIS PROCESS IS FAVORED BY PRLNGD STORAGE W/EXPOS TO AIR & LIGHT. GENERALLY STABLE IN SEALED METAL CONTAINERS.

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===== Physical/Chemical Properties =====

HCC:G2  
Boiling Pt:B.P. Text:SEE ING 2  
Vapor Pres:SUPP DATA  
Vapor Density:APPROX 2.5  
Spec Gravity:0.7 (H\*20=1)  
Evaporation Rate & Reference:APPROX 6 (BUAC=1)  
Solubility in Water:APPROX 6% @ 70F.  
Appearance and Odor:PALE YELLOW TO CLEAR LIQ;STRONG ETHEREAL ODOR, EVAPS QUICKLY, LEAVES (SUPP DATA)  
Percent Volatiles by Volume:99(WT)

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===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:NO STRONG OXIDIZERS.  
Stability Condition to Avoid:HEAT, SPARKS, FLAMES, EVAPORATION, PROLONGED EXPOSURE TO AIR AND LIGHT.  
Hazardous Decomposition Products:CARBON MONOXIDE MAY FORM ON COMBUSTION.

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===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF PROMPTLY IN SEALED METAL CONTAINERS I/A/W ALL LOCAL, STATE AND FEDERAL REGULATIONS. AVOID ANY CONTAMINATION OF GROUNDWATER.

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MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

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PRODUCT NAME: Marvel Air Tool Oil  
PRODUCT CODE: MM080, MM085, MM85R, MM086, MM088R  
MM089 MM  
CHEMICAL FAMILY: Petroleum Distillates  
CHEMICAL NAME: Complex Mixture of Hydrocarbons  
FORMULA: Mixture  
MANUFACTURER: EMERGENCY TELEPHONE NUMBERS  
Marvel Oil Company, Inc. Transportation;  
5655 W. 73rd Street CHEM-TREC: 800-424-9300  
Chicago, IL 60638 Medical:  
Phone: 708-563-3766 ROCKY MTN POISON CTR; 800-332-3073  
Fax: 708-563-3715

2. POSITION/INFORMATION ON INGREDIENTS

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COMPOUND CAS NUMBER CONCENTRATION (wt %)  
Naphthenic Hydrocarbons 64742-52-5 70 - 80  
Mineral Spirits 08052-41-3 20 - 30  
Chlorinated Hydrocarbons 00095-50-1 0 - 1

EXPOSURE LIMITS 8 hr. TWA (ppm)

	OSHA PEL	ACGIH TLV
Naphthenic Hydrocarbons	5 as oil mist	5 as oil mist
Mineral Spirits	100	100
Chlorinated Hydrocarbons	25	25

3. HAZARDS IDENTIFICATION

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POTENTIAL HEALTH EFFECTS

INHALATION; Can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness and even asphyxiation.

INGESTION; Can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Aspiration into lungs can cause pneumonitis which can be fatal.

SKIN CONTACT: Prolonged or repeated contact can cause moderated irritation, defatting or dermatitis.

EYE CONTACT; Can cause severe irritation, redness, tearing or blurred vision.

4. FIRST AID MEASURES;

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EYE; Flush with large amounts of water, lifting upper and lower eyelids occasionally. Get medical attention.

SKIN; Thoroughly wash exposed area with soap and water. Remove contaminated clothing. Launder before re-use.

INHALATION; Remove person to fresh air. If breathing difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm and quiet. Call a physician.

INGESTION; Do not induce vomiting. Keep person quiet and warm. Get medical attention. Aspiration of material into lungs can cause chemical pneumonitis which can be fatal.

5. FIRE FIGHTING MEASURES;

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FLASH POINT: 128 F (53 C) TCC

EXTINGUISHING MEDIA; Carbon dioxide, dry chemical, foam.

SPECIAL FIRE FIGHTING PROCEDURES; Wear self-contained breathing apparatus with full face piece operated with positive pressure-demand when fighting large fires.

6. ACCIDENTAL RELEASE MEASURES

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SPILL OR LEAK PROCEDURES: Ventilate area. Remove sources of ignition. Prevent entry into sewers and waterways. Pick up free liquid for recycle and/or disposal. Absorb small amounts on inert material for disposal.

7. HANDLING AND STORAGE;

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STORAGE TEMPERATURE (MIN./MAX.): -40 F (-40 C) / 120 F (49 C)

SHELF LIFE; 3 years minimum when the original container is kept tightly closed and properly stored.

SPECIAL SENSITIVITY; None

HANDLING AND STORAGE PRECAUTIONS; Empty containers may be dangerous since fumes may still exist. Observe precautions given for this product as stated in this document.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION;

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EYE PROTECTION REQUIREMENTS; Splash goggles.

SKIN PROTECTION REQUIREMENTS; Wear chemically resistant gloves.

RESPIRATOR/VENTILATION REQUIREMENTS; Provide sufficient ventilation to avoid exposure levels above the establish TLV's.

EXPOSURE LIMITS; Not established for product as whole.

Mineral Spirits	NIOSH	100 ppm TWA
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Oil Mist	OSHA	5 mg/m3
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9. PHYSICAL AND CHEMICAL PROPERTIES;

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PHYSICAL FORM; Thin liquid  
COLOR: Red  
ODOR; Petroleum  
BOILING POINT: Not determined  
MELT/FREEZE POINT: -60 F (-51 C)  
PH: Not applicable  
SOLUBILITY IN WATER: Insoluble  
SPECIFIC GRAVITY: 0.876 @ 60 F (15.6 C)  
% VOLATILE BY WEIGHT: 25 %  
VAPOR PRESSURE: Not determined  
VAPOR DENSITY: Not determined

10. REACTIVITY:

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STABILITY: Stable  
HAZARDOUS POLYMERIZATION; Will not occur.  
INCOMPATIBILITIES; Strong oxidizing agents.  
DECOMPOSITION PRODUCTS; Carbon monoxide, carbon dioxide and hydrocarbons.

11. TOXICOLOGICAL INFORMATION;

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ACUTE INHALATION; Aspiration into lungs can cause pneumonitis which can be fatal.  
CHRONIC INHALATION; Not determined.  
ACUTE SKIN CONTACT: Prolonged or repeated contact can cause moderate irritation, defatting or dermatitis.  
  
CHRONIC SKIN CONTACT; Not determined.  
ACUTE EYE CONTACT: Can cause severe irritation, redness, tearing or blurred vision.

12. ECOLOGICAL INFORMATION;

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No data available.

13. DISPOSAL CONSIDERATION;

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Ignitable hazardous waste, EPA Hazardous Waste Number D001  
WASTE DISPOSAL METHOD: Dispose of product in accordance with all local, state and federal laws and regulations.

14. TRANSPORT INFORMATION

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DOT INFORMATION;  
PROPER SHIPPING NAME: Non Bulk Not regulated  
Bulk Petroleum distillates,  
n.o.s.  
  
TECHNICAL SHIPPING NAME: Fuel and oil additive  
  
HAZARD CLASS: Non Bulk ORM-D  
Bulk Class 3  
  
UN NUMBER: UN 1268  
  
PRODUCT RQ (lbs): None

LABEL:	Non Bulk Bulk	ORM-D Flammable Liquid
PLACARD;	Non Bulk Bulk	None Flammable Liquid
FREIGHT CLASS BULK;		PG III
FREIGHT CLASS PACKAGE;		None
PRODUCT LABEL:		None

15. REGULATORY INFORMATION;

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TSCA STATUS; All ingredients listed.

CERCLA REPORTABLE QUANTITY; None

SARA TITLE III:

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES	None
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SECTION 311/312  
HAZARD CATEGORIES

Acute Health	Yes
Chronic Health	Yes
Fire	Yes
Reactive	No
Sudden Release of Pressure	No

SECTION 313

CHEMICAL NAME	CAS NUMBER	CONCENTRATION
Ortho-dichlorobenzene	00095-50-1	0-0.25 %

RCRA STATUS: If discarded in its purchased form, this product would be an ignitable waste with an EPA Hazardous Waste Number of D001. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product should be classified as a hazardous waste. (40CFR261.20-24)

CANADIAN STATUS; All materials contained in this product are listed on the Canadian Domestic Substances List.

EUROPEAN UNION; All materials contained in this product are listed on EINECS.

STATE REGULATORY INFORMATION

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

COMPONENT/ CAS NUMBER	CONCENTRATION	STATE CODE
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p-dichlorobenzene 00106-46-7	less than 150 ppm	CA
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CA = Material known to the state of California to cause cancer and/or birth

defects. (California Proposition 65).

16. OTHER INFORMATION;

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HMIS CLASSIFICATION           Health                    2  
                                  Flammability            2  
                                  Reactivity               0  
                                  PPI                        B  
  
NFPA RATING                    Health                    2  
                                  Fire                      2  
                                  Reactivity               0  
                                  Special                  None  
  
REASON FOR ISSUE               Add revised stock numbers  
PREPARED BY;                   Richard P. Kelly  
TITLE:                          Technical Manager  
APPROVAL DATE:                 June 9, 2005  
SUPERCEDES DATE               November 4, 2004  
REVISION NUMBER                #06

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