

U.S. DEPARTMENT OF LABOR

Occupational Safety and Health Administration

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing
Shipbuilding and Shipbreaking (29 CFR 1915. 1916. 1917.)

SECTION I

Manufacturer's Name
G C A

Emergency Telephone Number
16 - 1 - 48 - 66 - 78 - 37

Address (Number, Street, City, State, Zip Code)
15 Rue Nicolas Robert - 93601 AULNAY SOUS BOIS - FRANCE

Chemical Name and Synonyms
ETHODIZED POPPYSEED OIL

Trade Name and Synonyms
ETHIODOL (LIPIODOL)

Chemical Family
IODIZED OIL

Formula
 $\text{CH}_3 - (\text{CH}_2)_n - \text{CH}_x (\text{CH}_2)_m - \text{CH}_y - (\text{CH}_2)_p - \text{COOC}_2\text{H}_5 \quad x,y = 0$

SECTION II - HAZARDOUS INGREDIENTS

Paints, Preservatives, & Solvents	%	TLV (Units)	Alloys and Metallic Coating	%	TLV (Units)
Pigments	0		Base Metal	0	
Catalyst	0		Alloys	0	
Vehicle	0		Metallic Coatings	0	
Solvents	0		Filler Metal Plus Coating or Core Flux	0	
Additives	0		Others	0	
Others	0				

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS OR GASES	%	TLV (Units)
None		

SECTION III - PHYSICAL DATA

Boiling Point (°F)	125° C 8mm Hg	Specific Gravity	1,280
Vapor pressure (mm/mg)	N/R	Percent Volatile By Volume In.	N/R
Vapor Density (AIR °1)	N/R	Evaporation Rate	N/R
Solubility in Water	0		

Appearance and Odor: Pale yellow oil, like peanuts odor

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used) 177° C (closed cup)
DIN 51.758

Flammable limits N/R

Extinguishing Media: Dry Chemical, CO₂

Special Fire Fighting Procedures: Limit spreading with sand – Have a respiratory mask because of iodine vapors and black fumes – Fight fire with fire extinguisher

Unusual Fire and Explosion Hazards: none

SECTION V – HEALTH HAZARD DATA

Threshold Limit Value The product is not known to be toxic

Effects of Overexposure Contact with skin is not dangerous. Imprevisibile allergic reactions may occur for few individuals

ORL mouse: no reaction with 2 ml/kg

IPR mouse: LD50 30 ml/kg

Intravenous mouse: LDO 1,8 ml/kg

SECTION VI – REACTIVITY DATA

Stability: Unstable **Conditions to avoid:** Store the compound under nitrogen pressure
Keep it protected from light and heat to avoid decomposition

Incompatibility (Materials to avoid): Avoid contact with natural and synthetic rubbers

Hazardous Decomposition Products: Instantaneous iodine vapors release when the compound is exposed at 173° C

Hazardous Polymerization: Will not occur

SECTION VII – SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled: Spread dry sodium carbonate over and wait for complete impregnation by ETHIODOL before elimination.

Waste disposal method: Incineration

SECTION VIII – SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type): N/A

Ventilation

Local Exhaust: According to legislation for working area

Special: None

Mechanical (general): N/A

Other: None

Protective gloves: yes

Eye Protection: glasses

Other Protective Equipment: Safety shoes when handling drums

SECTION VIII – SPECIAL PROTECTION INFORMATION

Precautions to be taken in handling and storing: Store under nitrogen – protect from light and heat

Other precautions: Take all the requisite precautions for the use of oils: Floors must be perfectly clean to avoid falls (sliding)

