

# SAFETY DATA SHEET

## BOELUBE 70105C

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

**1.1. Product identifier**

Product Name                                   BOELUBE 70105C  
Synonyms, Trade Names                   None

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

Identified uses                               Metal working fluid

**1.3. Details of the supplier of the safety data sheet**

Supplier:                                       Caleb Management Services Ltd  
  The Old Dairy  
  Woodend Lane  
  Cromhall  
  Wotton under Edge  
  Gloucestershire, GL12 8AA  
  Tel: +44 845 2581956  
  Tel: +44 845 2581958  
  sdst@calebgroup.net  
Manufacturer                                 The Orelube Corporation  
  20 Sawgrass Drive  
  Bellport  
  NY 11713  
  USA  
  0016312059700

**1.4. Emergency telephone number**

Chemtrec: 0018004249300

### SECTION 2: HAZARDS IDENTIFICATION

**2.1. Classification of the substance or mixture**

Classification (1999/45/EEC)           Xi;R38, R41.

**2.2. Label elements**

Labelling



Irritant

Risk Phrases

R38   Irritating to skin.  
R41   Risk of serious damage to eyes.

Safety Phrases

S24/25                                      Avoid contact with skin and eyes.  
S26   In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S37/39                                      Wear suitable gloves and eye/face protection.  
S60   This material and its container must be disposed of as hazardous waste.

**2.3. Other hazards**

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

**3.2. Mixtures**

# BOELUBE 70105C

2-AMINO-2-METHYLPROPANOL	5-10%
CAS-No.: 124-68-5	EC No.: 204-709-8
Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Aquatic Chronic 3 - H412	Classification (67/548/EEC) Xi;R36/38 R52/53
Alcohols, C12-13, ethoxylated	5-10%
CAS-No.: 66455-14-9	EC No.: 500-165-3
Classification (EC 1272/2008) Acute Tox. 4 - H302 Eye Dam. 1 - H318	Classification (67/548/EEC) Xn;R22. Xi;R41. N;R51.
Methyl-1H-benzotriazole	1-5%
CAS-No.: 29385-43-1	EC No.: 249-596-6
Classification (EC 1272/2008) Acute Tox. 4 - H302	Classification (67/548/EEC) Xn;R22.
DIETHANOLAMINE	1-5%
CAS-No.: 111-42-2	EC No.: 203-868-0
Classification (EC 1272/2008) Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT Rep. 2 - H373	Classification (67/548/EEC) Xn;R22,R48/22 Xi;R38,R41

The Full Text for all R-Phrases and Hazard Statements is Displayed in Section 16

## SECTION 4: FIRST AID MEASURES

### **4.1. Description of first aid measures**

Inhalation.

Move into fresh air and keep at rest.

Ingestion

Rinse nose, mouth and throat with water. DO NOT induce vomiting. Get medical attention immediately.

Skin Contact

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation persists after washing.

Eye Contact

Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention if any discomfort continues.

### **4.2. Most important symptoms and effects, both acute and delayed**

Inhalation.

Upper respiratory irritation.

Ingestion

Fumes from the stomach contents may be inhaled resulting in the same symptoms as inhalation. Nausea, vomiting.

Skin Contact

Prolonged skin contact may cause redness and irritation. Mild dermatitis, allergic skin rash.

Eye Contact

Irritation of eyes and mucous membranes.

### **4.3. Indication of any immediate medical attention and special treatment needed**

# BOELUBE 70105C

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

Extinguishing Media

Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

### 5.2. Special hazards arising from the substance or mixture

Hazardous Combustion Products

In case of fire, toxic gases (CO, CO<sub>2</sub>, NO<sub>x</sub>) may be formed.

Unusual Fire & Explosion Hazards

No unusual fire or explosion hazards noted.

### 5.3. Advice for firefighters

Special Fire Fighting Procedures

Use supplied air respirator if product is involved in a fire.

Protective Measures In Fire

Use protective equipment appropriate for surrounding materials.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet.

### 6.2. Environmental precautions

Do not allow to enter drains, sewers or watercourses. Contain spillages with sand, earth or any suitable adsorbent material. Collect and dispose of spillage as indicated in section 13.

### 6.3. Methods and material for containment and cleaning up

Absorb spillage with non-combustible, absorbent material. Transfer to a container for disposal.

### 6.4. Reference to other sections

For personal protection, see section 8.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Container must be kept tightly closed. Keep away from heat, sparks and open flame. Not for internal use Do not cut, heat or weld on or around empty containers

### 7.2. Conditions for safe storage, including any incompatibilities

Keep away from heat, sparks and open flame. Keep containers tightly closed. Avoid contact with oxidising agents. Store above freezing.

Storage Class

Unspecified storage.

### 7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
DIETHANOLAMINE	OES	3 ppm	13 mg/m <sup>3</sup>			

### 8.2. Exposure controls

Process Conditions

Use engineering controls to reduce air contamination to permissible exposure level.

Engineering Measures

Provide sufficient ventilation during operations which cause vapour formation.

Respiratory Equipment

If ventilation is insufficient, suitable respiratory protection must be provided.

# BOELUBE 70105C

## Hand Protection

For prolonged or repeated skin contact use suitable protective gloves.

## Eye Protection

Goggles/face shield are recommended.

## Hygiene Measures

Wash hands after handling.

## Personal Protection

Wear suitable personal protective equipment.

## Environmental Exposure Controls

Avoid release to the environment.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

Appearance Clear, yellowish liquid

Colour Clear Amber

Odour Amine.

Solubility Soluble in water.

Initial Boiling Point and Boiling Range:

Not determined.

Melting Point (°C)

Not determined.

Relative Density

Not available.

Bulk Density

Not available.

Vapour Density (Air=1)

Not available.

Vapour Pressure <1 mm Hg 20c

Evaporation Rate <1 (EtEt=1)

Evaporation Factor

Not available.

pH-Value, Conc. Solution 9.03

pH-Value, Diluted Solution 8.5

Viscosity

Not available.

Solubility Value (G/100G H<sub>2</sub>O@20°C)

Not available.

Decomposition Temperature (°C)

Not available.

Odour Threshold, Lower

Not available.

Odour Threshold, Upper

Not available.

Flash Point (°C)

Not available.

Auto Ignition Temperature (°C)

Not determined.

Flammability Limit - Lower(%)

Not available.

Flammability Limit - Upper(%)

Not available.

Partition Coefficient

(N-Octanol/Water)

Not available.

Explosive Properties

No information available.

Oxidising Properties

Not applicable.

### 9.2. Other information

**SECTION 10: STABILITY AND REACTIVITY****10.1. Reactivity**

Reaction with: Oxidising materials.

**10.2. Chemical stability**

Stable under normal temperature conditions and recommended use.

**10.3. Possibility of hazardous reactions**

Hazardous Polymerisation

Will not polymerise.

**10.4. Conditions to avoid**

Avoid contact with strong oxidisers. Avoid frost. Avoid heat, flames and other sources of ignition.

**10.5. Incompatible materials**

Materials To Avoid

Strong oxidising substances.

**10.6. Hazardous decomposition products**

In case of fire, toxic gases (CO, CO<sub>2</sub>, NO<sub>x</sub>) may be formed.

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1. Information on toxicological effects**

Toxicological Information

No information available.

**SECTION 12: ECOLOGICAL INFORMATION**

Ecotoxicity:

The product is not expected to be toxic to aquatic organisms.

**12.1. Toxicity**

Acute Fish Toxicity

No ecotoxicity data are available on the product.

**12.2. Persistence and degradability**

Degradability:

The product is biodegradable.

Biological Oxygen Demand ~ 325 g O<sub>2</sub>/g substance

Chemical Oxygen Demand ~ 796 g O<sub>2</sub>/g substance

**12.3. Bioaccumulative potential**

Bioaccumulative Potential:

No data available on bioaccumulation.

**12.4. Mobility in soil**

Mobility:

The product is soluble in water.

Adsorption/Desorption Coefficient

Not available.

Henry's Law Constant

Not available.

Phototransformation

Not available.

**12.5. Results of PBT and vPvB assessment**

Not Classified as PBT/vPvB by current EU criteria.

**12.6. Other adverse effects**

Not determined.

**SECTION 13: DISPOSAL CONSIDERATIONS**

# BOELUBE 70105C

## General Information

Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

### **13.1. Waste treatment methods**

Dispose of the product in an approved collecting and treating centre of chemical waste, according to local/national regulations.

Waste Class

Readily biodegradable machining oil 12 01 19\*

## **SECTION 14: TRANSPORT INFORMATION**

Road Transport Notes Not Classified

Rail Transport Notes Not classified.

Sea Transport Notes Not classified.

### **14.1. UN number**

### **14.2 UN Proper shipping name**

### **14.3 Transport hazard class(es)**

### **14.4. Packing group**

### **14.5. Environmental hazards**

### **14.6. Special precautions for user**

### **14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

## **SECTION 15: REGULATORY INFORMATION**

### **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Approved Code Of Practice

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.

EU Legislation

Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

### **15.2. Chemical Safety Assessment**

No chemical safety assessment has been carried out.

## **SECTION 16: OTHER INFORMATION**

Revision Comments

This is first issue.

Revision Date 20/04/2011

Revision 1

Risk Phrases In Full

R22 Harmful if swallowed.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.

R36/38 Irritating to eyes and skin.

R38 Irritating to skin.

R41 Risk of serious damage to eyes.

R51 Toxic to aquatic organisms.

Hazard Statements In Full

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H315 Causes skin irritation.

H302 Harmful if swallowed.

H412 Harmful to aquatic life with long lasting effects.

H373 May cause damage to organs <<Organs>> through prolonged or repeated exposure.

Disclaimer

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.