



SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name: **CPI®-1515-100**

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

Identified uses: Not determined.

Uses advised against: Not determined.

1.3 Details of the supplier of the safety data sheet

Supplier

Company Name: LUBRIZOL LIMITED
Address: THE KNOWLE, NETHER LANE
HAZELWOOD, DERBYSHIRE, DE56 4AN
GB
Telephone: (44) 01332-842211
E-mail contact: EUSDS@lubrizol.com {Lubrizol Safety Data Sheets can be obtained at
www.mylubrizol.com}

1.4 Emergency telephone number:

FOR TRANSPORT EMERGENCY CALL CHEMTREC (+1) 703 527 3887 (LUBRIZOL)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

The product has been classified according to the legislation in force.

Classification according to Regulation (EC) No 1272/2008 as amended.

Chronic hazards to the aquatic environment Category 3 H412: Harmful to aquatic life with long lasting effects.

Classification according to Directive 67/548/EEC or 1999/45/EC as amended.

R52/53

The full text for all R-phrases is displayed in section 16.

2.2 Label elements according to Regulation (EC) No 1272/2008 as amended

Signal Words: not applicable

Hazard Statement(s): H412: Harmful to aquatic life with long lasting effects.

Precautionary Statement

Disposal: P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Supplemental label information

Contains: N-1-naphthylaniline. May produce an allergic reaction.

2.3 Other hazards: None identified.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Regulation No. 1272/2008.

Chemical name	Concentration	EC No.	REACH Registration No.	M-Factor:	Notes
Tripropylamine	0.1 - 1.0%	203-047-7	Not available.		
N-1-naphthylaniline	0.1 - 1.0%	201-983-0	01-2119488764-27		

600, 700 and 900 ECHA List Numbers do not have any legal significance; rather they are purely technical identifiers and are displayed for informational purposes only.

Classification Regulation No. 1272/2008.

Chemical name	Classification	Notes
Tripropylamine	Eye Dam. 1; H318 Skin Corr. 1C; H314 Acute Tox. 3; H311 Acute Tox. 4; H332 Acute Tox. 3; H301 STOT SE 3; H335 Flam. Liq. 3; H226	
N-1-naphthylaniline	STOT RE 2; H373 Skin Sens. 1B; H317 Acute Tox. 4; H302 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	

Directive 67/548/EEC.

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Classification Directive 67/548/EEC.

Chemical name	Classification	Notes
Tripropylamine	Xi; R41 Xi; R37 C; R34 R10 Xn; R20/21 T; R25	
N-1-naphthylaniline	Xi; R43 N; R50/53 Xn; R22	

The full text for all R-phrases is displayed in section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

- Inhalation:** Remove exposed person to fresh air if adverse effects are observed.
- Eye contact:** Flush thoroughly with water. If irritation occurs, get medical assistance. Remove contact lenses, if present and easy to do. Continue rinsing.
- Skin Contact:** Take off contaminated clothing and wash before re-use. Wash with soap and water. If skin irritation occurs, get medical attention.
- Ingestion:** Rinse mouth. Get medical attention if symptoms occur.

- 4.2 Most important symptoms and effects, both acute and delayed:** See section 11.

4.3 Indication of any immediate medical attention and special treatment needed

Hazards:	No data available.
Treatment:	Treat symptomatically.

SECTION 5: Firefighting measures

General Fire Hazards:	No unusual fire or explosion hazards noted.
5.1 Extinguishing media	
Suitable extinguishing media:	CO ₂ , dry chemical, foam, water spray, water fog.
Unsuitable extinguishing media:	Not determined.
5.2 Special hazards arising from the substance or mixture:	See section 10 for additional information.
5.3 Advice for firefighters	
Special fire fighting procedures:	No data available.
Special protective equipment for fire-fighters:	Recommend wearing self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:	No data available.
6.2 Environmental Precautions:	Avoid release to the environment. Prevent further leakage or spillage if safe to do so.
6.3 Methods and material for containment and cleaning up:	Dike far ahead of larger spill for later recovery and disposal. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material.
6.4 Reference to other sections:	See sections 8 and 13 for additional information.

SECTION 7: Handling and storage:

7.1 Precautions for safe handling:	Observe good industrial hygiene practices. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid environmental contamination.
Maximum Handling Temperature:	Not determined.
7.2 Conditions for safe storage, including any incompatibilities:	Store away from incompatible materials. See section 10 for incompatible materials.

Maximum Storage Temperature: Not determined.

7.3 Specific end use(s): End uses are listed in an attached exposure scenario when one is required.

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters

Occupational Exposure Limits

None of the components have assigned exposure limits.

8.2 Exposure controls

Appropriate engineering controls: No special requirements under ordinary conditions of use and with adequate ventilation.

Individual protection measures, such as personal protective equipment

General information: Use personal protective equipment as required.

Eye/face protection: If contact is likely, safety glasses with side shields are recommended.

Skin protection

Hand Protection: Rubber. Suitable gloves can be recommended by the glove supplier.

Other: Chemical resistant boots.

Respiratory Protection: A respiratory protection program compliant with all applicable regulations must be followed whenever workplace conditions require the use of a respirator. Under normal use conditions, respirator is not usually required. Use appropriate respiratory protection if exposure to dust particles, mist or vapors is likely. Use self-contained breathing apparatus for entry into confined space, for other poorly ventilated areas and for large spill clean-up sites.

Hygiene measures: Observe good industrial hygiene practices.

Environmental Controls: No data available.
See section 6 for details.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state: liquid
Form: liquid
Color: Colorless to yellow

Odor: Mild

Odor Threshold: No data available.

pH: No data available.

Freezing point: No data available.

Boiling Point: No data available.

Flash Point: 210 °C (Cleveland Open Cup)

Evaporation Rate: No data available.

Flammability (solid, gas): No data available.

Upper/lower limit on flammability or explosive limits

Flammability Limit - Upper (%):	No data available.
Flammability Limit - Lower (%):	No data available.
Vapor pressure:	< 0.1 torr (20 °C)
Vapor density (air=1):	No data available.
Relative density:	1.043 (15.6 °C)
Solubility(ies)	
Solubility in Water:	Soluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Autoignition Temperature:	No data available.
Decomposition Temperature:	No data available.
Viscosity:	103.2 mm ² /s (40 °C); 18.5 mm ² /s (100 °C)
Explosive properties:	No data available.
Oxidizing properties:	No data available.
VOC Content:	No data available.
Other information	
Bulk density:	8.7 lb/gal (25 °C)
Pour Point Temperature:	-48 °C

SECTION 10: Stability and reactivity

10.1 Reactivity:	No data available.
10.2 Chemical Stability:	Material is stable under normal conditions.
10.3 Possibility of Hazardous Reactions:	Will not occur.
10.4 Conditions to Avoid:	None known.
10.5 Incompatible Materials:	Strong oxidizing agents.
10.6 Hazardous Decomposition Products:	Thermal decomposition or combustion may generate smoke, carbon monoxide, carbon dioxide, and other products of incomplete combustion.

SECTION 11: Toxicological information

Information on likely routes of exposure

Inhalation:	No data available.
Ingestion:	No data available.
Skin Contact:	Causes mild skin irritation.
Eye contact:	No data available.

11.1 Information on toxicological effects

Acute toxicity

Oral

Product:	Swallowing material may cause irritation of the gastrointestinal lining, nausea, vomiting, diarrhea, and abdominal pain.
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	ATEmix 5000 - 10,000 mg/kg.
Dermal	
Product:	ATEmix > 5000 mg/kg
Inhalation	
Product:	ATEmix (, 4 h): > 20 mg/l. Dusts, mists and fumes
Skin Corrosion/Irritation:	
Product:	Causes mild skin irritation.
Serious Eye Damage/Eye Irritation:	
Product:	Remarks: Not classified as a primary eye irritant.
Respiratory sensitization:	
	No data available
Skin sensitization:	
N-1-naphthylaniline	Classification: Skin sensitizer (Literature)
Specific Target Organ Toxicity - Single Exposure:	
Tripropylamine	Respiratory tract irritation.
Aspiration Hazard:	
	No data available
Chronic Effects	
Carcinogenicity:	
	No data available
Germ Cell Mutagenicity:	
N-1-naphthylaniline	Negative for mutagenicity studies but did induce a slight increase in unscheduled DNA synthesis in human cells and a significant increase in sister chromatid exchange rates after incubation in rat liver S9 fraction.
Reproductive toxicity:	
	No data available
Specific Target Organ Toxicity - Repeated Exposure:	
N-1-naphthylaniline	Oral: Target Organ(s): Blood

SECTION 12: Ecological information

12.1 Ecotoxicity

Fish

Tripropylamine	LC 50 (Fathead Minnow, 4 d): 50.9 mg/l
N-1-naphthylaniline	LC 50 (Rainbow Trout, 4 d): 0.44 mg/l

Aquatic Invertebrates

N-1-naphthylaniline	EC 50 (Water flea (Daphnia magna), 2 d): 0.32 mg/l
	EC 50 (Water flea (Daphnia magna), 21 d): 0.06 mg/l

NOEC (Water flea (Daphnia magna), 21 d): 0.025 mg/l

Toxicity to Aquatic Plants

N-1-naphthylaniline EC 50 (Alga, 3 d): 0.25 mg/l

Toxicity to soil dwelling organisms

No data available

Sediment Toxicity

No data available

Toxicity to Terrestrial Plants

No data available

Toxicity to Above-Ground Organisms

No data available

Toxicity to microorganisms

N-1-naphthylaniline EC 50 (Sludge, 0.1 d): > 10,000 mg/l

12.2 Persistence and Degradability

Biodegradation

N-1-naphthylaniline Oxygen depletion 0 % (28 d, OECD TG 301 C)

BOD/COD Ratio

No data available

12.3 Bioaccumulative Potential

Bioconcentration Factor (BCF)

N-1-naphthylaniline Bioconcentration Factor (BCF): 2,691.53 (Measured)

Partition Coefficient n-octanol / water (log Kow)

N-1-naphthylaniline Log Kow: 4.2 (Read across)

12.4 Mobility:

No data available

12.5 Results of PBT and vPvB assessment

N-1-naphthylaniline No

12.6 Other Adverse Effects:

No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Disposal methods:

Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations. Dispose of packaging or containers in accordance with local, regional, national and international regulations. Empty container contains product residue which may exhibit hazards of product.

Contaminated Packaging:

Container packaging may exhibit hazards.

SECTION 14: Transport information

ADR

Not regulated.

IMDG

Not regulated.

IATA

Not regulated.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: not applicable.

For transportation, steps must be taken to prevent load shifting or materials falling, and all relating legal statutes should be obeyed. Review classification requirements before shipping materials at elevated temperatures.

Shipping descriptions may vary based on mode of transport, quantities, temperature of the material, package size, and/or origin and destination. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material. Review classification requirements before shipping materials at elevated temperatures.

SECTION 15: Regulatory information

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

Inventory Status

Australia (AICS)

All components are in compliance with chemical notification requirements in Australia.

Canada (DSL/NDSL)

This material contains one or more components that are on the Non-Domestic Substances list (NDSL). This material or products containing this material may be exported to Canada in limited quantities.

China (IECSC)

All components of this product are listed on the Inventory of Existing Chemical Substances in China.

European Union (REACH)

To obtain information on the REACH compliance status of this product, please visit Lubrizol.com/REACH, or e-mail us at REACH_MSDS_INQUIRIES@Lubrizol.com

Japan (ENCS)

All components are in compliance with the Chemical Substances Control Law of Japan.

Korea (ECL)

All components are in compliance in Korea.

New Zealand (NZIoC)

All components are in compliance with chemical notification requirements in New Zealand.

Philippines (PICCS)

This product requires notification before sale in the Philippines.

Switzerland (SWISS)

All components are in compliance with the Environmentally Hazardous Substances Ordinance in Switzerland.

Taiwan (TCSCA)

This product requires notification before sale in Taiwan.

United States (TSCA)

All components of this material are on the US TSCA Inventory.

The information that was used to confirm the compliance status of this product may deviate from the chemical information shown in Section 3.

15.2 Chemical safety assessment:

No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

Key literature references and sources for data: Internal company data and other publically available resources.

Wording of the R-phrases and H-statements in section 2 and 3

H226	Flammable liquid and vapor.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
R10	Flammable.
R20/21	Harmful by inhalation and in contact with skin.
R22	Harmful if swallowed.
R25	Toxic if swallowed.
R34	Causes burns.
R37	Irritating to respiratory system.
R41	Risk of serious damage to eyes.
R43	May cause sensitisation by skin contact.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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