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SAFETY DATA SHEET

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

1.1 Product identifier

- Product Name: Miracut C 15
- Product Part Number: NEAT061
- UFI: JYT6-E0T6-100R-WNW1

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

- Use of the substance/mixture: Neat metalworking oil
- Use advised against: Do not use in any other application.

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Aztec Oils Europe BV
- Address of Supplier: Centraleweg 11-E
4931 NA
Geertruidenberg
THE NETHERLANDS
- Telephone: +31 (0)162-51 93 95
Mon - Fri 08:30 - 17:00
- Email: Info@aztecoilseurope.nl
- Name of Manufacturer: Aztec Oils Ltd
- Address of Manufacturer: Intake Road,
Bolsover Business Park,
Bolsover,
Derbyshire,
S44 6BB,
UK
- Telephone: +44 (0)1246 823007
Mon-Thurs 08:00 - 17:00
Fri 08:00 - 16:00, GMT/BST
- Email: Technical@aztecoils.co.uk

1.4 Emergency telephone number

- Emergency Telephone: For UK and Northern Ireland Tel: 999 or 101., For ROI dial 999 or 112
- Official body: National Poisons Information Service
- Country: United Kingdom & Northern Ireland
- Emergency number: (0344 892 0111) HEALTHCARE PROFESSIONALS ONLY
- Official body: National Poisons Information Centre
- Country: Republic of Ireland
- Emergency number: +353 (1) 809 2566 HEALTHCARE PROFESSIONALS ONLY

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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

- CLP: Asp. Tox. 1

2.2 Label elements



- Signal Word: Danger

2.2.1 Hazard statements

May be fatal if swallowed and enters airways (H304).
Repeated exposure may cause skin dryness or cracking (EUH066).

2.2.2 Precautionary statements

IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce vomiting.
IF ON SKIN: Wash with plenty of water/ soap and water, if irritation occurs, get medical advice/ attention.
If medical advice is needed, have product container or label at hand (P101).
Keep out of reach of children (P102).
Store locked up (P405).
Dispose of contents and/or container in accordance with local/ national regulations.

2.3 Other hazards

- Contains: Distillates (petroleum), heavy hydrocracked
- This product is not identified as a PBT/vPvB according to current criteria.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

3.2.1 Highly refined mineral oil

CAS Number: Various see below
EC Number: Various see below
REACH Registration Number: Various see below
Index No.: Various see below
Specific Concentration Limits: Not applicable
M factor: Not applicable
Concentration: 60 - 80%
H Statements: H304
Categories: Asp. Tox. 1

Contains a mixture of petroleum derived mineral oils that contain <3% DMSO according to IP346

Base oil may contain one or more of the following: 101316-70-5, 309-875-6, 101316-71-6, 309-876-1 101316-72-7, 309-877-7 RRN 01-2119489969-06/ 64741-88-4, 265-090-8, RRN 01-2119488706-23/, 64741-89-5, 265-091-3, RRN 01-2119487067-

SECTION 3: Composition/information on ingredients (....)

30/ 64741-95-3, 265-096-0, RRN 01-2119487081-40/ 64741-96-4, 265-097-6, RRN 01-2119483621-38/ 64742-01-4, 265-101-6, RRN 01-2119488707-21/ 64742-45-6, 265-147-7/ 64742-52-5, 265-155-0, RRN 01-2119467170-45, 649-465-00-7/ 64742-53-6, 265-156-6, RRN 01-2119480375-34, 649-466-00-2/ 64742-54-7, 265-157-1, RRN 01-2119484627-25, 649-461-00-8/ 64742-56-9, 265-159-2, RRN 01-2119480132-48, 649-469-00-9/ 64742-57-0, 265-160-8/ 01-2119489287-22/, 64741-88-4, 265-090-8, RNN 01-2119488706-23 / 64742-62-7, 265-166-0 / RRN 01-2119480472-38/ 64742-65-0, 265-169-7, RRN 01-2119471299-27, 649-474-00-6/ 64742-70-7, 265-174-4, RRN 01-2119487080-42 / 68037-01-4, 500-183-1, RNN 01-2119486452-34 / , 111-66-0, 203-893-7, RNN 01-2119486877-14, 01-2119409094-47 / 72623-85-9, 276-736-3, RRN 01-2119555262-43/ 72623-86-0, 276-737-9, RRN 01-2119474878-16, 649-482-00-x/ 72623-87-1, 276-738-4, RRN 01-2119474889-13, 649-483-00-5/ 74869-22-0 , 278-012-2, RRN 01-2119495601-36, 649-484-00-0.

3.2.2 Distillates (petroleum), heavy hydrocracked

CAS Number: 64741-76-0
EC Number: 265-077-7
REACH Registration Number: 01-2119486951-26
Index No.: 649-453-00-1
Specific Concentration Limits: Not applicable
M factor: Not applicable
Concentration: 16 - 22%
H Statements: H304
Categories: Asp. Tox. 1

SECTION 4: First aid measures

4.1 Description of first aid measures

4.1.1 Inhalation

If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.

Do not breathe dust or vapour.

4.1.2 Contact with eyes

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Check for and remove any contact lenses (if easy to do so). Get medical attention.

4.1.3 Contact with skin

Wash skin thoroughly with soap and water or use recognised skin cleanser. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if symptoms occur.

4.1.4 Ingestion

Aspiration hazard

DO NOT induce vomiting. Get medical attention immediately. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical attention immediately!

4.2 Most important symptoms and effects, both acute and delayed

4.2.1 Ingestion

Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

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SECTION 4: First aid measures (....)

May cause nausea and diarrhoea.

4.2.2 Contact with eyes

May cause slight irritation. The following symptoms may occur: erythema (redness), Pain.

4.2.3 Contact with skin

May cause defatting of the skin. May cause skin dryness and irritation.

4.2.4 Inhalation

May cause respiratory irritation. The following symptoms may occur: Cough, Dizziness, Headache.

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment should be symptomatic and directed to relieving any effects.
- If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Extinguishing media: Extinguish with foam, carbon dioxide, dry powder or water fog.
- Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

5.2 Special hazards arising from the substance or mixture

- If heated or in cases of fire, pressure in a vessel will increase and container may burst.
- Combustion products may include Carbon dioxide (CO₂), Carbon monoxide (CO)
- Any spillage needs to be contained and not allowed to enter water courses.

5.3 Advice for firefighters

- Promptly isolate and secure the scene, remove all unnecessary and untrained persons from the vicinity if there is a fire. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European Standard EN 469 will provide a basic level of protection for chemical incidents.
- Do not use water Jet

SECTION 6: Accidental release measures

Spillage causes slippery surface

6.1 Personal precautions, protective equipment and emergency procedures

- Stop any leak if it is safe to do so.
- Absorb with sand or other inert absorbent. Collect in containers and seal securely.
- Adopt best manual handling considerations when handling, carrying and dispensing.
- Appropriate protective equipment must be worn when handling a spill of this material. See SECTION 8, Exposure Controls/Personal Protection, for recommendations. If exposed to material during clean-up operations, see SECTION 4, First Aid Measures, for actions to follow.

6.2 Environmental precautions

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SECTION 6: Accidental release measures (....)

- Do not allow product to enter drains. Prevent further spillage if safe. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods and material for containment and cleaning up

- Stop any leak if it is safe to do so.
- Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.
- Dispose of in compliance with all local and national regulations.

6.4 Reference to other sections

- See Section 1 for emergency contact information.
- See Section 5 for firefighting measures.
- See Section 8 for information on appropriate personal protective equipment.
- See Section 12 for environmental precautions.
- See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Use appropriate personal protective equipment.
- Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Wash thoroughly after handling. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
- Ventilate well, avoid breathing breathing odours,
- Keep container tightly closed.

7.2 Conditions for safe storage, including any incompatibilities

- Store in accordance with local regulations.
- Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.
- Store locked up.

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

- If this product contains ingredients with exposure limits, personal and/or workplace atmosphere monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

Substances

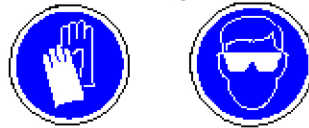
Chemical Name	WEL (short term)	WEL (long term)	STEL	WEL

SECTION 8: Exposure controls/personal protection (....)

Highly refined mineral oil	5mg/m ³	5 mg/m ³ (IE)
Distillates (petroleum), heavy hydrocracked	5mg/m ³	5 mg/m ³ (IE)

8.2 Exposure controls

- A full risk assessment should be undertaken before handling this material.



- Engineering Controls
- Appropriate Engineering Control:
All activities involving chemicals should be assessed for their risks to health, to ensure exposures are adequately controlled. Personal protective equipment should conform to appropriate standards, be suitable for use, be kept in good condition and properly maintained.
No special requirements under ordinary conditions of use and with adequate ventilation.
- Eye Protection:
If contact is likely, safety glasses are recommended.
- Hand Protection
- As specific work environments and material handling practices vary, safety procedures should be developed for each intended application. The correct choice of protective gloves depends upon the chemicals being handled and the conditions of work and use. Recommended: Nitrile or other suitable glove. Breakthrough time represents how long a glove can be expected to provide effective permeation resistance. Always consult with your glove supplier for up-to-date technical information on breakthrough.
- Skin and Body Protection
Wear appropriate clothing as protection against splashing.
In accordance with good industrial hygiene practices, precautions should be taken to avoid skin contact.
- Hygiene Measures
Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking and/or smoking.
Routinely wash work clothing and protective equipment to remove contaminants.
- Respiratory Protection
No Special requirements under ordinary conditions of use and with adequate ventilation.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance: Straw
- Physical state: Liquid
- Odour: Characteristic.
- Density: 0.86 at 15°C
- Viscosity: 15 cSt @ 40 °C

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SECTION 9: Physical and chemical properties (....)

- Freezing point/Range: No information available
- Boiling Point/Range: 255 - 330°C
- Flashpoint: >100°C
- Autoignition Temperature: 220°C

9.2 Other information

- The figures in this section are for guidance only please always use them in conjunction with the technical data sheet.

SECTION 10: Stability and reactivity

10.1 Reactivity

- No specific test data available for this product. Refer to, conditions to avoid and incompatible material sections for additional information.
- Stable under normal temperature conditions and recommended use.

10.2 Chemical stability

- Considered stable under normal conditions

10.3 Possibility of hazardous reactions

- None under normal processing.
- Hazardous polymerisation does not occur.
- Do not mix with other products.

10.4 Conditions to avoid

- Avoid heat, flames and other sources of ignition.

10.5 Incompatible materials

- Reactive or incompatible with the following materials: oxidizing materials.

10.6 Hazardous decomposition products

- Under normal conditions of storage and use, hazardous decomposition products should not be produced
- Burning produces obnoxious and irritating fumes.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Substances

Chemical Name	LC ₅₀ (inhalation, rat)	LD ₅₀ (dermal, rabbit)	LD ₅₀ (oral, rat)
Highly refined mineral oil	>5.53 mg/m ³	>5000 mg/kg bw	>5000 mg/kg bw

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SECTION 11: Toxicological information (....)

Distillates (petroleum), heavy hydrocracked	>5.53 mg/m ³	>5000 mg/kg bw	>5000 mg/kg bw
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- Aspiration hazard fluid can enter the lungs and cause damage (chemical pneumonitis, possibly fatal).
- Inhalation may cause irritation to the respiratory tract.
- Ingestion: May cause nausea and diarrhoea.
- Skin contact: Defatting to the skin. May cause skin dryness and irritation.
- Eye contact: No known significant effects or critical hazards.

11.2 Information on other hazards

- No information available

SECTION 12: Ecological information

12.1 Toxicity

- No data available.

Substances

Chemical Name	LC ₅₀ (fish)	IC ₅₀ (algae)	EC ₅₀ (daphnia)
Highly refined mineral oil	>100 mg/l (96 hr)	>100 mg/l (72 hr)	>10000 mg/l (48 hr)
Distillates (petroleum), heavy hydrocracked	>100 mg/l (96 hr)	>100 mg/l (72 hr)	>10000 mg/l (48 hr)

12.2 Persistence and degradability

- Expected to be inherently biodegradable.

12.2.1 Highly refined mineral oil
Inherently biodegradable.

12.2.2 Distillates (petroleum), heavy hydrocracked
Inherently biodegradable.

12.3 Bioaccumulative potential

- The product has limited potential for bioaccumulation. The product is not expected to bioaccumulate through food chains in the environment.

12.4 Mobility in soil

- Spillages may penetrate the soil causing ground water contamination.
- Immiscible with water.

12.5 Results of PBT and vPvB assessment

- This product is not identified as a PBT/vPvB substance.

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SECTION 12: Ecological information (....)

12.5.1 Highly refined mineral oil
Not Classified as PBT/vPvB by current EU criteria.

12.5.2 Distillates (petroleum), heavy hydrocracked
Not Classified as PBT/vPvB by current EU criteria.

12.6 Endocrine disrupting properties

- Not applicable

12.7 Other adverse effects

- Spillages may form an oil layer on water surfaces causing physical damage to organisms. Oxygen transfer may also be impaired.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Dispose of in compliance with all local and national regulations.

13.2 Classification

- This material and its containers must be disposed of as controlled waste. Dispose of waste via a licensed waste disposal contractor.
- EWC NUMBER: Allocation of a waste code number in accordance with the European Waste Catalogue, should be carried out in agreement with an EA authorised waste disposal company.

SECTION 14: Transport information

14.1 UN number or ID number

- UN No.: Not classified as hazardous for transport

14.2 UN proper shipping name

- Proper Shipping Name: Not classified as hazardous for transport

14.3 Transport hazard class(es)

- Hazard Class: Not classified.

14.4 Packing group

- Packing Group: Not applicable.

14.5 Environmental hazards

- Presents no hazard to the environment

14.6 Special precautions for user

- Not available.

14.7 Maritime transport in bulk according to IMO instruments

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SECTION 14: Transport information (....)

- Not available.

SECTION 15: Regulatory information

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

- Regulation (EC) No 1907/2006 of the European Parliament and the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
- Regulation (EC) No 1272/2008 of the European Parliament and the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
- Supply regulations: DPD: Dangerous Preparations Directive; GHS: Globally Harmonised System of classification and labelling of chemicals; CLP: Classification, Labelling and Packaging regulations. Transport regulations: CDG: Carriage of Dangerous Goods regulations; ADR/RID/IMDG/ICAO/IATA regulations

15.2 Chemical safety assessment

- A chemical safety assessment (CSA) for this product has not yet been completed

SECTION 16: Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- H304: May be fatal if swallowed and enters airways.

Disclaimer

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. 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 other process

--- end of safety datasheet ---
