



1. Chemical product and company identification

Product name	100 CUTTING OIL
MSDS #	05112-AW
Code	05112-AW
Manufacturer	Castrol Industrial North America, Inc. 150 W. Warrenville Road Naperville, IL 60563
Supplier	Castrol Industrial North America, Inc. 150 W. Warrenville Road Naperville, IL 60563 Product Information: 1-800-621-2661
EMERGENCY SPILL INFORMATION:	1 (800) 424-9300 CHEMTREC (USA)

2. Composition/information on ingredients

Ingredient name	CAS #	% by weight
Distillates (petroleum), hydrotreated heavy naphthenic (Highly refined mineral oil)	64742-52-5	45 - 50
Distillates (petroleum), hydrotreated light naphthenic (Highly refined mineral oil)	64742-53-6	35 - 40
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (Highly refined mineral oil)	72623-86-0	10 - 15

3. Hazards identification

Physical state	Liquid.
Color	Clear. Amber.
Emergency overview	CAUTION! MAY CAUSE EYE IRRITATION. MAY CAUSE SKIN IRRITATION. MAY CAUSE RESPIRATORY TRACT IRRITATION. Do not ingest. Do not get in eyes, on skin or clothing. In accordance with good industrial hygiene and safety work practices, airborne exposures should be controlled to the lowest extent practicable. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.
Routes of entry	Dermal contact. Eye contact. Inhalation.
Potential health effects	
Eyes	May cause eye irritation.
Skin	May cause skin irritation.
Inhalation	May cause respiratory tract irritation.
Ingestion	No significant health hazards identified.
Medical conditions aggravated by over-exposure	None identified.

Product name 100 CUTTING OIL	MSDS # 05112-AW	Page: 1/6
Version 1	Date of issue 07/21/2005.	Format US
		Language ENGLISH. (ENGLISH)
	Build 4.2.4	

4. First aid measures

Eye contact	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops.
Skin contact	Immediately wash exposed skin with soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if irritation develops.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if irritation develops.
Ingestion	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately.

5. Fire-fighting measures

Flammability of the product	May be combustible at high temperature.
Flash point	>96.1 °C (Open cup) Cleveland.
Products of combustion	These products are carbon oxides (CO, CO ₂).
Unusual fire/explosion hazards	This material is not explosive as defined by established regulatory criteria.
Fire-fighting media and instructions	In case of fire, use water fog, foam, dry chemicals, or carbon dioxide.
Protective clothing (fire)	Fire-fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

6. Accidental release measures

Personal precautions	Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment (See Section: "Exposure controls/personal protection"). Follow all fire fighting procedures (See Section: "Fire-fighting measures").
Environmental precautions and clean-up methods	If emergency personnel are unavailable, contain spilled material. For small spills add absorbent (soil may be used in the absence of other suitable materials) scoop up material and place in a sealed, liquid-proof container for disposal. For large spills dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal. Avoid contact of spilled material with soil and prevent runoff entering surface waterways. See Section 13 for Waste Disposal Information.
Personal protection in case of a large spill	Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

7. Handling and storage

Handling	Do not ingest. Do not get in eyes, on skin or on clothing. Avoid contact with skin and clothing. In accordance with good industrial hygiene and safety work practices, airborne exposures should be controlled to the lowest extent practicable. Use only with adequate ventilation. Wash thoroughly after handling.
Storage	Keep container tightly closed. Keep container in a cool, well-ventilated area. Empty containers may contain harmful, flammable/combustible or explosive residue or vapors. Do not cut, grind, drill, weld, reuse or dispose of containers unless adequate precautions are taken against these hazards.

Product name 100 CUTTING OIL	MSDS # 05112-AW	Page: 2/6
Version 1	Date of issue 07/21/2005.	Format US
		Language ENGLISH.
	Build 4.2.4	(ENGLISH)

8. Exposure controls/personal protection

Occupational exposure limits

Ingredient name

Distillates (petroleum), hydrotreated heavy naphthenic (Highly refined mineral oil)

Occupational exposure limits

ACGIH (United States).

STEL: 10 mg/m³ 15 minute(s). Form: Oil mist, mineral

TWA: 5 mg/m³ 8 hour(s). Form: Oil mist, mineral

OSHA (United States).

TWA: 5 mg/m³ 8 hour(s). Form: Oil mist, mineral

Distillates (petroleum), hydrotreated light naphthenic (Highly refined mineral oil)

ACGIH (United States).

STEL: 10 mg/m³ 15 minute(s). Form: Oil mist, mineral

TWA: 5 mg/m³ 8 hour(s). Form: Oil mist, mineral

OSHA (United States).

TWA: 5 mg/m³ 8 hour(s). Form: Oil mist, mineral

Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (Highly refined mineral oil)

ACGIH (United States).

STEL: 10 mg/m³ 15 minute(s). Form: Oil mist, mineral

TWA: 5 mg/m³ 8 hour(s). Form: Oil mist, mineral

OSHA (United States).

TWA: 5 mg/m³ 8 hour(s). Form: Oil mist, mineral

Control Measures

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits.

Hygiene measures

Wash hands after handling compounds and before eating, smoking, using lavatory, and at the end of day.

Personal protection

Eyes

Avoid contact with eyes. Safety glasses with side shields.

Skin and body

Avoid contact with skin and clothing. Wear suitable protective clothing.

Respiratory

Use only with adequate ventilation. In accordance with good industrial hygiene and safety work practices, airborne exposures should be controlled to the lowest extent practicable.

Hands

Wear suitable gloves.

Not available.



Consult local authorities for acceptable exposure limits.

9. Physical and chemical properties

Physical state

Liquid.

Odor

Mild. Oily

Color

Clear. Amber.

Boiling point / Range

>259.97 °C

Specific gravity

0.88 to 0.9

VOC

255 g/l

Solubility

Insoluble in cold water.

Viscosity

SUS: 67 to 78 SUS at 37.778°C

Product name 100 CUTTING OIL

MSDS #

05112-AW

Page: 3/6

Version 1

Date of issue 07/21/2005.

Format US

Language ENGLISH.

Build 4.2.4

(ENGLISH)

10. Stability and reactivity

Stability and reactivity	The product is stable.
Conditions to avoid	None known.
Incompatibility with various substances	Reactive or incompatible with the following materials: oxidizing materials.
Hazardous decomposition products	Not available.
Hazardous polymerization	Will not occur.

11. Toxicological information

Chronic toxicity

Carcinogenic effects	No component of this product at levels greater than 0.1% is identified as a carcinogen by ACGIH or the International Agency for Research on Cancer (IARC). No component of this product present at levels greater than 0.1% is identified as a carcinogen by the U.S. National Toxicology Program (NTP) or the U.S. Occupational Safety and Health Act (OSHA).
Mutagenic effects	No component of this product at levels greater than 0.1% is classified by established regulatory criteria as a mutagen.
Reproductive effects	No component of this product at levels greater than 0.1% is classified by established regulatory criteria as a reproductive toxin.
Teratogenic effects	No component of this product at levels greater than 0.1% is classified by established regulatory criteria as a reproductive toxin.

12. Ecological information

Ecotoxicity	No testing has been performed by the manufacturer.
--------------------	----------------------------------------------------

13. Disposal considerations

Waste information	Avoid contact of spilled material and runoff with soil and surface waterways. Consult an environmental professional to determine if local, regional or national regulations would classify spilled or contaminated materials as hazardous waste. Use only approved transporters, recyclers, treatment, storage or disposal facilities.
RCRA Waste Code(s)	USED OIL
Remarks	No additional remark.

Consult your local or regional authorities.

14. Transport information

International transport regulations

Regulatory information	UN number	Proper shipping name	Class	Packing group	Label	Additional information
DOT Classification	Not determined.	Not determined.	Not determined.	Not determined.	----	Special provisions Petroleum oil, not regulated in containers less than 3500 gallons.

Product name 100 CUTTING OIL	MSDS # 05112-AW	Page: 4/6	
Version 1	Date of issue 07/21/2005.	Format US	Language ENGLISH.
	Build 4.2.4		(ENGLISH)

TDG Classification	Not determined.	Not determined.	Not determined.	Not determined.		Not determined.
IMDG Classification	Not determined.	Not determined.	Not determined.	Not determined.	----	Not determined.
IATA Classification	Not determined.	Not determined.	Not determined.	Not determined.	----	Not determined.

15. Regulatory information

U.S. Federal regulations

US INVENTORY (TSCA): In compliance.

This product is not regulated under Section 302 of SARA and 40 CFR Part 355.

SARA 311/312 MSDS distribution - chemical inventory - hazard identification: 100 CUTTING OIL: Immediate (Acute) Health Hazard

SARA 313

Form R - Reporting requirements

This product does not contain any hazardous ingredients at or above regulated thresholds.

Supplier notification

This product does not contain any hazardous ingredients at or above regulated thresholds.

CERCLA Sections 102a/103 Hazardous Substances (40 CFR Part 302.4):: This material is not regulated under CERCLA Sections 103 and 107.

State regulations

Massachusetts RTK:Distillates (petroleum), hydrotreated light naphthenic (Highly refined mineral oil)

California Prop 65: No products were found

Inventories

AUSTRALIAN INVENTORY (AICS): Not determined.

CANADA INVENTORY (DSL): In compliance.

CHINA INVENTORY (IECS): In compliance.

EC INVENTORY (EINECS/ELINCS): In compliance.

JAPAN INVENTORY (ENCS): Not determined.

KOREA INVENTORY (ECL): In compliance.

PHILIPPINE INVENTORY (PICCS): Not determined.

16. Other information

Label requirements

CAUTION!

MAY CAUSE EYE IRRITATION.
MAY CAUSE SKIN IRRITATION.
MAY CAUSE RESPIRATORY TRACT IRRITATION.

HMIS® Rating :

Health 1 - **National Fire Protection Association (U.S.A.)**
Flammability 1
Physical Hazard 0
Personal protection B



Other special considerations

PETROLEUM OIL: STEL = 10 mg/M3. Using terminology of the International Agency for Research on Cancer (IARC), the petroleum distillates listed in Section II are classified by the supplier as severely processed. Not all those listed in Section II may be present. The supplier has stated that these distillates do not require a carcinogen label as defined by OSHA 29 CFR 1910.1200.

Product name 100 CUTTING OIL	MSDS # 05112-AW	Page: 5/6
Version 1	Date of issue 07/21/2005.	Format US
		Language ENGLISH. (ENGLISH)
	Build 4.2.4	

History

Date of issue 07/21/2005.
Date of previous issue No Previous Validation.
Prepared by Product Stewardship

Notice to reader

All reasonably practicable steps have been taken to ensure this data sheet and the health, safety and environmental information contained in it is accurate as of the date specified below. No warranty or representation, express or implied is made as to the accuracy or completeness of the data and information in this data sheet.

The data and advice given apply when the product is sold for the stated application or applications. You should not use the product other than for the stated application or applications without seeking advice from us.

It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. The BP Group shall not be responsible for any damage or injury resulting from use, other than the stated product use of the material, from any failure to adhere to recommendations, or from any hazards inherent in the nature of the material. Purchasers of the product for supply to a third party for use at work, have a duty to take all necessary steps to ensure that any person handling or using the product is provided with the information in this sheet. Employers have a duty to tell employees and others who may be affected of any hazards described in this sheet and of any precautions that should be taken.

Product name 100 CUTTING OIL

MSDS # 05112-AW

Page: 6/6

Version 1 **Date of issue** 07/21/2005.

Format US

Language ENGLISH.

Build 4.2.4

(ENGLISH)