

SAFETY DATA SHEET

COLUMBUS MARINE 20W/50 SJ

this (M)SDS meets the regulations of italian and european legislation (CE n° 453/2010) in force.

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

1.1 PRODUCT IDENTIFICATION

Product Name COLUMBUS MARINE 20W/50 SJ

Product description.: Multigrade oil, synthetic technology, employed for 4t marine engines.

1.2 RELEVANT IDENTIFIED USES FOR THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Pertinent use: Engine oil.

1.3 COMPANY IDENTIFICATION:

Supplier:

COLUMBIA SRL

Via Burba 7e 8

16163 GENOVA (IT)

Tel. 010 710033 – FAX. 010 710308

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

sicurezza@columbiamotoroil.com

1.4 HEALTH EMERGENCY TELEPHONE:

010 710033

SECTION 2 HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

This mixture does not present a health hazard.

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2 LABEL ELEMENTS

Physical hazard: None

Health hazard: None

Environmental hazard: No environmental hazard in compliance with directives 67/548/EEC, 1999/45/EC and their amendments.

SECTION 3 COMPOSITION/INFORMATION IN INGREDIENTS

3.1 SUBSTANCES

No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006 // CE n° 453/2010

3.2 MIXTURE

Dangerous components in compliance with CLP Regulation and related classification:

None.

Mixture of paraffin oil whose extrat of DMSO < 3% p/p (as IP method 346/92) respects the Note L from Directive 97/56/CE Annexe I,

therefore the r45 classification is not relevant.

SECTION 4 FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

Inhalation:

Remove from further exposure. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation.

Skin Contact:

Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse. If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury.

Eye contact:

Flush thoroughly with water. If irritation occurs, get medical assistance.

Ingestion:

Do not provoke vomit in order to avoid the inhalation risk through breath ways. Seek promptly medical attention.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Not relevant.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED.

TREATMENT:

Not data available.

SECTION 5 FIREFIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

Appropriate extinguishing media:

Use extinguishing media of type B: Appropriate Extinguishing Media: Use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish flames.

Inappropriate extinguishing media: Avoid streams of water. Use streams of water only to cool down the tanks.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed:

- carbon monoxide (CO)
- carbon dioxide (CO₂)

5.3 ADVICE FOR FIREFIGHTERS

Fire Fighting Instructions: Evacuate area. Prevent run-off from fire control or dilution from entering streams, sewers or drinking water supply. Fire-fighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.

Hazardous Combustion Products: Smoke, Fume, Aldehydes, Sulphur Oxides, Incomplete combustion products, Oxides of carbon

SECTION 6 ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Avoid skin and eye contact, wearing personal protective equipment.

6.2 ENVIRONMENTAL PRECAUTIONS

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Land Spill: Stop leak, if you can do so without risk. Recover by pumping or with suitable absorbent.

Water Spill: Stop leak, if you can do so without risk. Confine the spill immediately with booms. Warn other shipping. Remove from the surface by skimming or with suitable absorbents. Seek the advice of a specialist before using dispersants.

Water spill and land spill recommendations are based on the most likely spill scenario for this material; however, geographic conditions, wind, temperature, (and in the case of a water spill) wave and current direction and speed may greatly influence the appropriate action to be taken. For this reason, local experts should be consulted. Note: Local regulations may prescribe or limit action to be taken.

6.4 REFERENCE TO OTHER SECTIONS

See also sections 8 e 13

SECTION 7

HANDLING AND STORAGE

7.1 PRECAUTION FOR SAFE HANDLING

Avoid contact with used product. Avoid contact with skin. Prevent small spills and leakage to avoid slip hazard.

Static Accumulator: This material is a static accumulator.

7.2 CONDITION FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Do not store in open or unlabelled containers. Keep away from incompatible materials.

7.3 SPECIFICS AND USES

No data available

SECTION 8

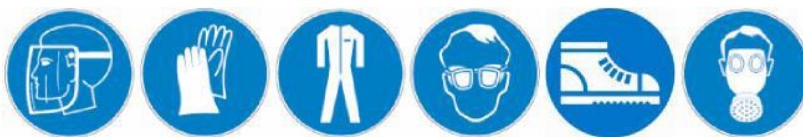
EXPOSURE CONTROL/PERSONAL PROTECTION

8.1 Control parameters

No special requirements under ordinary conditions of use and with adequate ventilation.

Note: Exposure limits/standards for materials that can be formed when handling this product: When mists / aerosols can occur, the following are recommended: 5 mg/m³ - TLV ACGIH, 10 mg/m³ STEL ACGIH.

8.2 INDIVIDUAL PROTECTION



8.2.1 Eye protection

Not required in normal use conditions. If contact is likely, safety glasses with side shields are recommended.

8.2.3 Hand protection

Any specific glove information provided is based on published literature and glove manufacturer data. Glove suitability and breakthrough time will differ depending on the specific use conditions. Contact the glove manufacturer for specific advice on glove selection and breakthrough times for your use conditions. Inspect and replace worn or damaged gloves. The types of gloves to be considered for this material include:

8.2.4 Skin protection

Any specific clothing information provided is based on published literature or manufacturer data. The types of clothing to be considered for this material include:

Chemical/oil resistant clothing is recommended.

8.2.5 Respiratory protection

Not required in normal use condition. If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirements, if applicable.

8.2.6 Hygenical measures

No data available.

8.2.7 Thermal hazards

No data available.

8.2.8 Enviromental exposure control

No data available.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

9.1.1 General Information

SAE: 20W/50

Physical state and colour: Clear, amber color liquid

Odour: Characteristic

Odour Threshold: N.D.

Relative Density (at 15 C°): 0,870

Flash Point [Method]: >230 C° [ASTM D-92]

Boiling Point / Range: > 200 C°

Solubility in Water: Negligible

Viscosity: 166 Cst. at 40 C° 19.5 Cst. at 100 C°

Oxidising properties: See Hazard sections.

Autoignition Temperature: N.D.

Vapour Density (Air = 1): N.D.

pH: N.A.

Velocità di evaporazione (n-butil acetato = 1): N.D.

9.1.2 Other Information

Freezing Point: N.D.

Melting Point: N.A.

Pour Point: -25 °C.

SECTION 10 STABILITY AND REACTIVITY INFORMATION

10.1 REACTIVITY

Material is stable under normal condition.

10.2 CHEMICAL STABILITY

Material is stable under normal condition.

10.3 POSSIBILITY OF HAZARDOUS REACTION

No data available.

10.4 CONDITION TO AVOID

Excessive heat..

10.5 INCOMPATIBLE MATERIALS

No data available.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

No data available.

SECTION 11 TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

11.1.1 Information on toxicological effects:

May cause a lightly irritation.

Repeated or prolonged contact with the mixture may cause removal of natural oil from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Inhalation: Minimally Toxic. Based on test data for structurally similar materials. Toxicity (Rat): LC 50 > 5000 mg/m3. Respiratory Negligible hazard at ambient/normal handling temperatures. Based on assessment of the components.

Ingestion: Minimally Toxic. Based on test data for structurally similar materials. Toxicity (Rat): LD 50 > 5000 mg/kg.

Skin contact: Minimally Toxic. Based on test data for structurally similar materials. Toxicity (Rabbit): LD 50 > 5000 mg/kg. Irritazione (Coniglio): available data.

Eye: May cause mild, short-lasting discomfort to eyes. Based on test. Data available.

If not differently specified, data are referred to legislation n° 453/2010 CE here after should not considered available:

High toxicity.

Skin corrosion.

Eye irritation.

Possibile respiratory irritation.

Cause mutation in vitro.

Carcinogenicity.

Toxic for reproduction.

Toxic for specific target organ (STOT) – single exposition.

Toxic for specific target organ (STOT) – repeated exposition.

SECTION 12 ECOLOGICAL INFORMATION

12.1 TOXICITY

Use as the common work uses only. Do not disperse in environment.

12.2 PERSISTENCE AND DEGRADABILITY

No data available.

12.3 BIOACCUMULATIVE POTENTIAL

No data available.

12.4 MOBILITY IN SOIL

No data available.

12.5 RESULTS OF PBT AND vPvB ASSESSMENT

No substances PBT– No ubstances vPvB.

12.6 OTHER ADVERSE EFFECTS

No data available

SECTION 13 DISPOSAL CONSIDERATION

13.1 WASTE TREATMENT METHODS

Do not pour into drains or waterways. Proper waste management of the misture and/or its container must be in accordance with

COLUMBIA S.R.L.

Product name: COLUMBUS MARINE 20W/50 SJ

Revision date: 01/07/2022

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Directive DPR n° 23/04/2002 (C.O.O.U) and part IV " Codice Ambientale" (D.Lgs. n° 152 del 03 Aprile 2006) and similars. **For more information on subject go to: "CONSORZIO OBBLIGATORIO DEGLI OLI USATI" – Toll-free number: 800 863048**

13.2 REGULATION ON WASTE: 13 02 06 (Dir. 09/04/2002)

(ITALIAN)Il codice indicato è solo una indicazione generale, assegnata in base alla sua composizione ed all'uso previsto. L'utilizzatore ha la responsabilità finale di assegnare il codice più appropriato, sulla base dell'impiego effettivo del prodotto, valutando eventuali contaminazioni o alterazioni subite durante il processo di generazione del rifiuto.

13.3 EUROPEAN WASTE AND METAL PACKAGING REGULATION (CODICE CATALOGO EUROPEO DEI RIFIUTI DI IMBALLAGGI METALLICI): 15 01 04 (Dir. 09/04/2002)

13.4 EUROPEAN WASTE AND PLASTIC PACKAGING REGULATION (CODICE CATALOGO EUROPEO DEI RIFIUTI DI IMBALLAGGI DI PLASTICA): 15 01 02 (Dir. 09/04/2002)

SECTION 14 TRANSPORT INFORMATION

14.1 NUMBER ONU

No hazard good in accordance with the transport regulation in force.

14.2 ONU'S SHIPPING NAME.

N.A

14.3 HAZARD GROUP REFERRED TO THE TRANSPORT

N.A.

14.4 PACKAGING GROUP

N.A

14.5 ENVIRONMENTAL HAZARD

N.A.

14.6 SPECIAL CAUTION FOR USERS

N.A.

14.7 TRANSPORT OF BULK HANDLING IN COMPLIANCE WITH ANNEXE II OF MARPOL 73/78 AND IBC

N.A.

SECTION 15 REGULATORY INFORMATION

15.1 REGULATORY INFORMATION REFERENCES: SEE ITALIAN REGULATIONS HEREUNDER

D. Lgs. N. 81 del 09/04/2008: Attuazione dell'articolo 1 della Legge 3 agosto 2007, n. 123, in materia di tutela della salute e della sicurezza dei luoghi di lavoro.

D. Lgs. 25/2002: Protezione dei lavoratori contro i rischi da agenti chimici sul lavoro.

D. Lgs. N. 65 del 14 Marzo 2003: Recepimento della direttiva 1999/45/CE del Parlamento europeo e del Consiglio del 31 maggio 1999 e della direttiva 2001/60/CE della Commissione del 7 agosto 2001 concernente la classificazione, imballaggio ed etichettatura dei preparati pericolosi.

Direttiva 2006 /8/CE del 23 gennaio 2006 che modifica, per adeguarli al progresso tecnico, gli allegati II, III e V della Direttiva 1999/45/CE del Parlamento europeo e del Consiglio concernente il ravvicinamento delle disposizioni legislative, regolamentari ed amministrative degli Stati Membri relative alla classificazione, all'imballaggio e all'etichettatura dei preparati pericolosi.

(CE) n° 1907/2006 Regolamento REACH.

(CE) n° 453/2010 Allegato II

SECTION 16 OTHER INFORMATION

N.D = Not determinated, N.A. = not applicable

This safety data sheet has been revisited in all its section in compliance with European Regulation 453/2010/CE.

16.1 COMPLIANCE

Data and information above are in compliance with Regulation in force. It is anyway suggested for the user to verify and comply the specific national, regional and local regulation in force of any hazard activity and environmental preservation, wich are not metioned in this sheet.

16.2 FINALITY

Information on this sheet are supplied for job security. All the information above are specifically referred to the product mentioned on title and can not be applicated in correspondence of other products matched together.

16.3 REVISION/COMPILATION DATE

Product name: _____

Date of compilation: 2010

Date of revision: 01/07/2022

16.4 REMARK

Do not use the product for different uses than the previously mentioned on section 1.2, otherwise **This safety data sheet call off and replaces any previous one.**

