

SECTION 1 - IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

- Product name: **ACCOR BOOSTR 2T**

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

- Commercial use: 2 Stroke motor oil (for more details, please report back to the technical manual)

1.3. Details of the supplier of the Safety Data Sheet

- Fournisseur **ACCOR LUBRIFIANTS SA**

Adresse : 8 Rue du Mans - BP 30406 - 49304 CHOLET CEDEX

Téléphone : 02.41.75.26.70

Télécopie : 02.41.62.67.02

Contact e-mail : emilie.auribault@accor-lubrifiants.com

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1.4. Emergency telephone number

In France, the valid emergency number is the ORFILA (INRS) number: + 33 (0)1 45 42 59 59. This telephone number gives contacts of all French poison centers ("centres anti-poison et de toxicovigilance"). These information centers provide you with free medical advice (except the cost of call), 24 hours a day, 7 days a week. For the information related to other countries, see the web page dedicated to national helpdesks of the ECHA website (European Chemicals Agency) that lists all the information by country:

<http://echa.europa.eu/web/guest/support/helpdesks/national-helpdesks/list-of-national-helpdesks>

SECTION 2 - HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification CE 1272/2008 (CLP)

This product does not meet these classification requirements.

2.2. Label elements

Label Conforms to Norm (CE) N° 1272/2008 (CLP) :

Hazard pictogram(s):

None

Signal word(s): None

Hazard statement(s):

None

Supplemental Hazard information:

EUH066 – Repeated exposure may cause skin dryness or cracking

Precautionary statement(s) – Prevention

P102 – Keep out of reach of children

Precautionary statement(s) - Intervention

None

Precautionary advice- Storage

None

Precautionary advice - Elimination

P501 - Dispose of contents/container to a hazardous waste collection center, as per national regulation

2.3. Other hazards

Flammable and combustible product if heated.

The oil mist may irritate eyes and breathing apparatus.

Prolonged and frequent contact may dry and irritate the skin and cause a rash.

The used oil can contain dangerous impurities.

Possibility of soil and groundwater contamination.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

3.2. Mixtures

- Chemical nature: Product formulated from base oils and additives

- Dangerous components:

COMPONENTS	Percentage (in weight)	CLP Classification (EC) No 1272/2008	NUMBERS
			INDEX CE CAS Registration
Petroleum base oil	< 90 %	Not classified	Mixture (*)
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclical, <2% aromatic	< 30 %	Asp. Tox. 1 (H304) EUH066	- 926-141-6 - 01-2119456620-43
Mineral oil	< 30 %	Asp. Tox. 1; H304	Mixture (**)
Phenol, dodecyl-, branched	< 0.25 %	Aquatic Acute 1; H400 Aquatic Chronic 1; H410 Eye Irrit. 2; H319 Repr. 2; H361 Skin Irrit. 2; H315	- 310-154-3 - 01-2119513207-49

(*)Mixture: Contains one or several EINECS numbers as follows: 265-090-8, 265-091-3, 265-096-0, 265-097-6, 265-098-1, 265-101-6, 265-155-0, 265-156-6, 265-157-1, 265-158-7, 265-159-2, 265-160-8, 265-161-3, 265-166-0, 265-169-7, 265-176-5, 276-735-8, 276-736-3, 276-737-9, 276-738-4, 278-012-2, 309-878-2.

(**) Mixture: Contains one or several numbers as follows: N°CE 276-738-4 (registration: 01-2119474889-13), 265-157-1 (registration: 01-2119484627-25), N° CE 265-169-7 (registration 01-2119471299-27), N° CE 265-158-7 (registration 01-2119487077-29), N° CE 265-159-2 (registration 01-2119480132-48)

(***)Not available or the registration of this substance is not currently required under REACH

Other information

This product is a petroleum product. DMSO extract < 3 % in weight (IP 346)

The whole of the text of risk phrases and hazard statements of this section 3 appears in Section 16.

SECTION 4 - FIRST AID MEASURES

4.1. Description of first aid measures

If feeling unwell seriously or persistently, immediately seek medical attention

Inhalation:

Move the subject away from the polluted area.

Take affected person into fresh air and keep quiet.

In case of unconsciousness place patient stably in side position for transportation.

In the event of faintness, consult a doctor.

Skin contact:

Wash the skin with soap and water.

In case of persistent irritation of the skin, consult a doctor.

Wash contaminated clothing before reuse.

Eye contact:

Rinse out with plenty of water for at least 30 minutes with the eyelid held wide open. Consult an ophthalmologist if the irritation persists.

Ingestion:

DO NOT INDUCE VOMITING: seek medical or poison center advice immediately.

Move the person who is vomiting from his back onto his side.

Self-protection of the first aider:

When providing first aid, protect yourself against the exposure to chemicals or blood-borne diseases wearing gloves, masks as well as eye protection equipment. After performing first aid, wash the exposed skin with soap and water.

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

Eye contact: Eye contact may cause irritation.
Skin contact: Prolonged or repeated contact may dry and irritate the skin.
Inhalation: Inhalation of vapours or aerosols may cause irritation for the respiratory tracts and the mucous membranes.

Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

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

Note to physician: treat symptomatically.

SECTION 5 - FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: CO₂, dry powder, resistant foam; the water can be used to cool and protect product containers exposed.

Unsuitable extinguishing media for safety reason: full water jet.

5.2. Special hazards arising from the substance or mixture

For more information, see section 10.

Special risk: Incomplete combustion and thermolysis produce gas more or less toxic such as CO, CO₂, various hydrocarbons, aldehydes and soot. In case of high concentration or confined atmosphere, its inhalation is very dangerous.

5.3. Advice for firefighters

It is recommended to wear self-contained breathing apparatus. Water can splash close elements. Use water to cool exposed containers.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal protective equipment must be worn. Avoid all contact with skin. If the spill occurs in a closed environment or other area with poor ventilation, ventilate before entering the area.

6.2. Environmental precautions

Do not allow product to reach sewage system or any water course.
Inform respective authorities in case product reaches water or sewage system.
Do not discharge into the drains/surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

Soak up to recycle and/or dispose of. The remaining liquid can be absorbed with inert material.

6.4. Reference to other sections

To obtain information about safe handling, please see chapter 7.

To obtain information about personal protective equipment, please see chapter 8.

To obtain information about elimination, please see chapter 13.

SECTION 7 - HANDLING AND STORAGE

7.1. Precautions for safe handling

Do not eat, drink or smoke when using this product.

Keep containers closed when unused. Do not discharge into drains or the environment, dispose of this product to an officially approved waste collection center. Use appropriate containment to avoid environmental contamination. Avoid skin contact. Wash thoroughly after handling. Wash contaminated clothing before reuse. Empty containers retain product residue that may present product hazards. Dispose of packaging and containers according to local, regional, national and international regulations.

Pumping temperature

Not defined

Maximal handling temperature

75 °C, 167 °F

Maximal loading temperature

75 °C, 167 °F

7.2. Conditions for safe storage, including any incompatibilities

Take precautions to avoid all release in the environment. To know incompatible materials, see section 10.

Maximal preservation temperature

45 °C, 113 °F

7.3. Specific end use(s)

No other important information available.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limit values:

Where conditions are created for the formation of mists, check the PEL of 5 mg by cubic meter of OSHA and TWA of 5mg by cubic meter of ACGIH to control possible oil mists.

Recommended control procedures: this product contains ingredients presenting exposure limits, the working atmosphere or living organisms can be necessary to determine the efficiency of ventilation or other control measures and/or the necessity to use breathing apparatus. It is worth to mention to the European EN 689 norm referring to methods to evaluate the exposure by inhalation to chemical agents and to documents of general national policy referring to methods to determine hazardous substances.

Information on components

Chemical name	European Union	France
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclical, <2% aromatic		vapours C6-C12 : VME=1000mg/m ³ VLE=1500mg/m ³

Recommended exposure limit value CEFIC-HSPA: 1200 mg/m³

No Observed Effect Level (DNEL) In accordance with our experience and the information provided, the product has no harmful effect if used and handled according to indications given.

8.2. Exposure controls

The appropriate control measures for a particular workplace depend on the way the product is used and on potential exposure.

Personal protective equipment:

The product must be handled in closed containers and equipment, in which case mechanical local ventilation should be sufficient. Local exhaust ventilation should be used in places where dusts, mists, steam or gas may leak in the local atmosphere.

Eye/face protection

Safety glasses with lateral protection

Skin protection

Nitrile.

Long sleeve shirts, gloves, overalls, aprons are recommended to reduce contact.

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Use a chemical protection apron if contact with this product can happen. When working with the product heated, use an insulated apron or an insulated chemical protection garment. Wash the contaminated clothing before reuse.

Breathing protection

Use an air mean or a self-contained breathing apparatus (ARA) in positive pressure method when there is possibility to go over the recommended exposure limit. Use an insulated breathing apparatus to penetrate in confined space and other spaces poorly ventilated and for decontamination zones where big quantities have been spread. Consult an industrial hygienist to determine the breathing protection suitable to the particular use of this product. A breathing protection program conforms to all applicable regulations must be followed each time working conditions may require a respirator.

Gloves protection

Waterproof and aliphatic solvents resistant gloves.

If there is a possibility of cutaneous repeated exposure and/or prolonged to the substance, wear appropriate gloves conform to norm EN374 and offer to employees skin care programs.

Gloves material	Glove thickness	Penetration time
Nitrile rubber	> 0.45 mm	> 480 min

Hygiene measures

Wash yourself thoroughly after handling this product.

Environmental exposure controls

For more details, see section 6

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**9.1. Appearance**

Aspect: Liquid

Density at 20°C (g/cm³): 0,87

Coulour: Amber

Viscosity at 40°C (mm²/s): 70

Smell: oil feature

Flash point (closed beaker) (°C): 120

Flow point (°C) :

Ignition temperature: Not identified.

Steam pressure at 20°C: Not identified.

Partition coefficient (n-octanol/water): Not identified.

Explosive properties: This product is not known to be explosive.

Oxidizing properties: This product is a non-oxidizing substance.

9.2. Other information

No other important information available.

SECTION 10 - STABILITY AND REACTIVITY

10.1. Reactivity

Carefully consider all information provided in sections 10.2 to 10.6.

10.2. Chemical stability

This product is normally stable with low temperatures and is not decomposed by water.

10.3. Possibility of hazardous reactions

None when used normally.

10.4. Conditions to avoid

High temperature. Excessive heat.

10.5. Incompatible materials

Strong acids. Oxidizing agents.

10.6. Hazardous decomposition products

Smoke, carbon monoxide, carbon dioxide, hydrogen sulphide, aldehydes, Alkylmercaptans and other products with incomplete combustion.

SECTION 11 - TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxicological information referred to ingredients.

Petroleum base oil:

Acute toxicity

Contains base oil where acute toxicity is:

DL50/oral/rat = > 5000 mg/kg (OECD 401).

DL50/cutaneous/rabbit = > 2000 mg/kg (OECD 402).

CL50/inhalation/4h/rat = > 5.53 mg/L (OECD 403).

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclical, <2% aromatic

Acute toxicity

Contains base oil where acute toxicity is:

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DL50/oral/rat = > 5000 mg/kg (OECD 401).
DL50/cutaneous/24h/rabbit = > 5000 mg/kg (OECD 402).
CL50/inhalation/8h/rat = > 5000 mg/m³ (OECD 403).

Irritation and corrosion

The oil mist may irritate eyes and breathing apparatus.
A prolonged or repeated skin contact may irritate and cause dermatitis.

Sensitization

Not classified

Subacute, subchronic and long-term toxicity

Is not classified as carcinogenic for man. (OECD 451, 453)

Toxicity for reproduction (OECD 421)

This product contains para-dodecylphenol. Adverse effects have been registered on male reproductive organs having absorbed strongly daily doses of by oral intubation. The relevance of these findings as to human is uncertain. This product contains para-dodecylphenol. Female rats during gestation that have been given repeated daily doses of para-dodecylphenol have given birth to pups with cleft palate and skeleton malformation. The relevance of these findings as to human is uncertain.

Fetal injury not classified (OECD 414).

Genotoxicity tests (in vitro and in vivo) have been negative. (OECD 471, 473, 474, 476)

Specific toxicity for some target organs - unique exposure

No known effect

Specific toxicity for some target organs - repeated exposure

This product contains para-dodecylphenol. The administration of high repeated daily doses of para-dodecylphenol to rats by oral intubation affects a number of organs, amongst them adrenal glands, thyroid, liver, ovaries, testicles, bone marrow and formation of blood cells. The relevance of these findings as to human is uncertain.

Hazard by aspiration

Contains base oil where aspiration into the lungs can cause chemical pneumonitis that can be fatal.

Other information about acute toxicity

Toxicological data have been taken up from products with similar composition.

Used mineral oil may contain an accumulation of contaminants dangerous for health and the environment.

Other information

Tetrapropenylphenol (TPP), also called dodecylphenol has been subject to a toxicity study for the reproduction on a generation of rats orally force fed (doses from 0, 5, 25 or 125 mg/kg/day) as well as a toxicity study for the reproduction on two generations of rats dietary intaken (doses from 0, 1,5, 15 or 75 mg/kg/day).

The results of the study on one generation have shown a reduction of the ovaries weight and changes on the male sexual accessories organs (reduction of the organs weight, decrease in secretions and decrease of epididymal sperm concentrations) at 25 mg/kg/day; the dose with no adverse effect observed was established to 5 mg/kg/day. The results of this study on two generations have shown a lengthening of the estrous cycle, a reduction of the ovaries weight, an acceleration of the sexual maturation, a reduction of the size of living litter,

a decrease of fertility rate, hypospermia as well as reduction of male sexual accessories organs to 75 mg/kg/day; the DSENO (or NOAEL) was established to 5 mg/kg/day. The evaluation of these two primary studies on TPP (toxicity studies for the reproduction on one or two generations), as well as additional data from in vivo and in vitro studies to TPP and about substances containing TPP or TPP/calcium salts as impurities have led to classify TPP in Category 1B under the Harmonised System of classification (CE) n° 1907/2006 (toxicity for human reproduction assumed). These studies have equally been evaluated to identify a specific concentration limit (SCL) valid and reliable for reproduction effects, below which no toxicity for reproduction is assumed. A 1.5% SCL pond. of TPP and TPP/calcium salts has been deducted from the DSENO base (or NOAEL) identified from a toxicity study on reproduction on two rat generations by dietary intake and confirmed by additional studies about substances containing TPP as impurity.

SECTION 12 - ECOLOGICAL INFORMATION

12.1. Toxicity

The mixture has not been tested, application of the conventional methods from components.

As for the mixture: ~

Acute toxicity (short term) – Fish: not data available

Acute toxicity (short term) – Shellfish: not data available

Acute toxicity (short term) – Seaweed/aquatic plants: not data available

Acute toxicity (short term) – Other organisms: not data available

Chronic toxicity (long term) – Fish: not data available

Chronic toxicity (long term) – Shellfish: not data available

Chronic toxicity (long term) – Seaweed/aquatic plants: not data available

Chronic toxicity (long term) – Other organisms: not data available

Acute toxicity for aquatic environment – Information on components

Chimical name	Toxicity for seaweed	Toxicity for daphnia and other aquatic invertebrates	Toxicity for fish	Toxicity for microorganisms
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclical, <2% aromatic ^	ErL50 (72h) > 1000 mg/l (Pseudokirchneriella subcapitata - OECD 201) EbL50 (72h) > 1000 mg/l (Pseudokirchneriella subcapitata - OECD 201) NOELR (72h) = 1000 mg/l (Pseudokirchneriella subcapitata - biomass - OECD 201) NOELR (72h) = 1000 mg/l (Pseudokirchneriella subcapitata - growth rate - OECD 201)	EL50 (48h) > 1000 mg/l (Daphnia magna - OECD 202)	LL50 (96h) > 1000 mg/l (Oncorhynchus mykiss - OECD 203)	

Chronic toxicity for aquatic environment – Information on components

Chemical name	Toxicity for seaweed	Toxicity for daphnia and other aquatic invertebrates	Toxicity for fish	Toxicity for microorganisms
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclical, <2% aromatic		NOELR (21d) = 1,22 mg/l (Daphnia magna - QSAR)	NOELR (28d) = 0,17 mg/l (Oncorhynchus mykiss - QSAR Petrotox)	

This product contains substances where toxicity has been assessed to:

Soft water fish

The acute LC50 is > 1 000 mg/L according to components data.

Soft water invertebrates

The acute EC50 is > 1000 mg/L according to components data. Chronic effects planned at < 1 mg/L according to components data.

Seaweed

Not defined.

Sea water fish

Not defined.

Sea water invertebrates

Not defined.

Bacteria

The acute EC50 is > 1000 mg/L according to components data.

12.1.2 Toxicity towards other organisms

As for the mixture: has not been a subject of a specific test

As for the components:

Petroleum base oil:

Very low toxicity. Toxicity for microorganisms: NOEL/10min > 1.93 mg/L (DIN 38412, DIN38409)

12.2 Persistence and degradability

As for the mixture: has not been a subject of a specific test

General information on components

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclical, <2% aromatic

Easily biodegradable (69 % after 28 days).

Biodégradation						
Type	Method	Sample time	Specific effects	Values	Unit	Biodegradability



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	OECD 301F	28 days		69	%	Easily biodegradable
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Phenol, dodecyl-, branched

Substance	% (weight)	Test type	Length (jours)	degradation%
Phenol, dodecyl-, branched	From 1 to 4,9 %	Various-Degradation	56	10
Phenol, dodecyl-, branched	From 1 to 4,9 %	Sturm	28	25

Petroleum base oil:

Not easily degradable (OECD301B).

12.3 Bioaccumulative potential

As for the mixture: has not been a subject of a specific test

As for the components:

Petroleum base oil:

It is possible that hydrocarbons (base-oil) accumulate (log Kow > 6).

Phenol, dodecyl-, branched

Substance	% (weight)	Test type	Length (days)	Log Kow or bioaccumulation factor
Phenol, dodecyl-, branched	From 1 to 4,9 %	Bioconcentration factor	27	2.9
Phenol, dodecyl-, branched	From 1 to 4,9 %	Sharing partition water/octanol	0.1	7.1

12.4 Mobility in soil

As for the mixture: has not been a subject of a specific test

As for the components:

Petroleum base oil:

The product is water-insoluble and mainly non-volatile. The product may penetrate soil until reaching groundwater surface. The degradation is going extremely slow in anaerobic conditions. Hydrocarbons (base oil) may be absorbed by soils organic material or sediments (log Kow > 6).

12.5 Results of PBT and vPvB assessment

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As for the mixture: has not been a subject of a specific test

As for the components:

Petroleum base oil:

This substance is not considered as persistent, neither bioaccumulative nor toxic (PBT). This substance is not considered as very persistent or very bioaccumulative (vPvB). (anthracene < 0.1 %)

12.6 Other adverse effects

As for the mixture: has not been a subject of a specific test

SECTION 13 - DISPOSAL CONSIDERATIONS**13.1. Waste treatment methods**

· Recommendation:

Must not be disposed together with household waste.

· Waste disposal:

Do not allow product to reach sewage system.

Dispose of this material and its container at hazardous or special waste collection point. Dispose in a safe manner in accordance with local/national regulations.

SECTION 14 - TRANSPORT INFORMATION**14.1. UN number**

ADR, IMDG, IATA: Not regulated

14.2. UN proper shipping name

· ADR

Not regulated

· IMDG

Not regulated

· IATA

Not regulated

14.3. Transport hazard class(es)

· ADR

Not regulated

· IMDG, IATA

Not regulated

14.4. Packing group

Not regulated

14.5. Environmental hazards

Not applicable

14.6. Special precautions for user

Individual precautions: The driver should not take action in case of cargo fire.

Keep public away from danger area.

IMMEDIATELY CONTACT POLICE AND FIREMEN.

Other information: None.

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

Not identified.

SECTION 15 - INFORMATIONS REGLEMENTAIRES**SECTION 15 - REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Be ensured that all notation or local regulations are observed.

European regulatory guidelines:

- Regulation (CE) n° 1907/2006 of the European Parliament and of the Council of 18 December 2006 for Registration, Evaluation, Authorisation and Restriction of Chemical substances, as well as as restrictions applicable to these substances (REACH), and establishing a European Chemicals Agency modifying directive 1999/45/CE and repealing Commission Regulation (CEE) n° 793/93 of Council Regulation (CE) n° 1488/94 of the Commission as well as directive 76/769/CEE of Council and directives 91/155/CEE, 93/67/CEE, 93/105/CE and 2000/21/CE of the Commission, with modifications.
- Regulation (CE) n° 1272/2008 of the European Parliament and of the Council of 16 December 2008 for classification, labelling and packaging of substances and mixtures, modifying and repealing directives 67/548/CEE and 1999/45/CE and modifying the regulation (CE) n° 1907/2006, with modifications.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16 - OTHER INFORMATION



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Symbols and hazard phrases used in this document section 3:

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H361 May damage fertility or the unborn child.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

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