

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

### 1.1. Product identifier

- Product name: **ACCOR SOLUBLE K2**

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

- Commercial use: Metal working oils (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)**

H317- Skin. Sens. 1

H412- Aquatic Chronic 3

**2.2. Label elements****Label Conforms to Norm (CE) N° 1272/2008 (CLP) :****Hazard pictogram(s):****Signal word(s):** WARNING**Hazard statement(s):**

H317: May cause an allergic skin reaction.

H412 -Harmful to aquatic life with long lasting effects.

**Supplemental Hazard information:**

CONTAINS: Fatty acids, tall-oil, reaction products with boric acid (H3BO3) and diethanolamine (n°CE : 294-785-9)

**Precautionary statement(s) – Prevention**

P280: Wear protective gloves/protective clothing/eye protection/face protection

P261: Avoid breathing dust/fume/gas/mist/vapors/spray.

P273 - Avoid release to the environment.

**Precautionary statement(s) - Intervention**

P302 + P352 – IF ON SKIN: wash with plenty of soap and water.

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

P363 – Wash contaminated clothing before reuse.

**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**

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.



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### 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 <b>1272/2008</b>	NUMBERS
			INDEX CE CAS Registration
Petroleum base oil	< 90 %	Asp. Tox. 1; H304	Mixture (*)
Tall oil, compound with ethanolamine	< 6%	Aquatic Chronic 2; H411	268-069-1 - -
Fatty acids, tall-oil, reaction products with boric acid (H3BO3) and diethanolamine	< 3%	Skin Sens. 1; H317	294-785-9 - 01-2119961359-26
Alcohols, C11-14-iso-, C13-rich	< 2%	Aquatic Chronic 2; H411 Aquatic Acute 1; H400	271-235-6 - 01-2119454259-32

(\*) Mixture : Contains one or several numbers as follows: N°CE 276-738-4 (enregistrement : 01-2119474889-13), 265-157-1 (enregistrement : 01-2119484627-25), N° CE 265-169-7 (enregistrement 01-2119471299-27), N° CE 265-158-7 (enregistrement 01-2119487077-29), N° CE 265-159-2 (enregistrement 01-2119480132-48), N° CE 265-091-3 (enregistrement 01-2119487067-30), N°CE 276-737-9 (enregistrement 01-2119474878-16)

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.



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### **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**

See section 11.

## **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.

### **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.



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## 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**

Ambient

#### **Maximal handling temperature**

75 °C, 158 °F

#### **Maximal loading temperature**

Not defined

### **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.



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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.

### **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.

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**



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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.

### 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/cm<sup>3</sup>): 0,93

Coulour: Blond clear

Viscosity at 40°C (mm<sup>2</sup>/s): 40

Smell: oil feature

Flash point (closed beaker) (°C): >150

Flow point (°C) : Not determined

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, aldehydes, 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).

**Irritation and corrosion:** Not classified

**Germ cell mutagenicity:** Not mutagenic.

**Carcinogenicity:** Products with IP 346 <3% are not carcinogenic in the dermal application studies. The classification of the product is the comparison of results of toxicological studies and criteria set out in Regulation (EC) No 1272/2008 for CMR, categories 1A and 1B.

**Reproductive toxicity:** No effect on reproduction or development were observed in Sprague-Dawley rats. NOAEL: 1000 mg / kg body weight / day

**Specific toxicity for some target organs - unique exposure:** The acute studies show no evidence of systemic toxicity.

**Specific toxicity for some target organs - repeated exposure:** With IP 346 <3 %, not classified.



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**Hazard by aspiration:** Contains base oil where aspiration into the lungs can cause chemical pneumonitis that can be fatal

**SECTION 12 - ECOLOGICAL INFORMATION****12.1. Toxicity**Petroleum base oil

All acute aquatic toxicity studies on fish, invertebrates and algae on samples of other lubricant base stocks provide acute toxicity values greater than 100 mg / l.

**Fish**Tall oil, compound with ethanolamine

LC 50 (Cyprinus carpio, 4 DY): 349 mg/l

Fatty acids, tall-oil, reaction products with boric acid (H3BO3) and diethanolamine

LC 50 (Rainbow Trout, 4 d): > 1,000 mg/l

NOEC (Rainbow Trout, 4 d): > 1,000 mg/l

Alcohols, C11-14-iso-, C13-rich

LC 50 (Rainbow Trout, 96 h): 0.42 mg/l

NOEC (Fish, 30 DY): 0,047 mg/l

**Aquatic Invertebrates**Tall oil, compound with ethanolamine

CE50 (Puce d'eau (Daphnia magna), 2 DY): 4,5 mg/l

NOEC (Puce d'eau (Daphnia magna), 2 DY): 3,2 mg/l

Fatty acids, tall-oil, reaction products with boric acid (H3BO3) and diethanolamine

EC 50 (Water flea (Daphnia magna), 2 d): 150 mg/l

NOEC (Water flea (Daphnia magna), 2 d): 100 mg/l

EC 50 (Water flea (Daphnia magna), 21 d): > 48 mg/l

NOEC (Water flea (Daphnia magna), 21 d): 15 mg/l

Alcohols, C11-14-iso-, C13-rich

EC 50 (Water flea (Daphnia magna), 48 h): 0.71 mg/l

NOEC (Puce d'eau (Daphnia magna), 16 DY): 0,058 mg/l

**Toxicity to Aquatic Plants**Fatty acids, tall-oil, reaction products with boric acid (H3BO3) and diethanolamine

EC 50 (Green algae (Scenedesmus quadricauda), 3 d): 16 mg/l

Alcohols, C11-14-iso-, C13-rich

EC 50 (Alga, 3 d): 3.2 mg/l

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NOEC (Alga, 3 d): 2.2 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**Fatty acids, tall-oil, reaction products with boric acid (H3BO3) and diethanolamine

EC 50 (Sludge, 0.1 d): &gt; 10,000 mg/l

Alcohols, C11-14-iso-, C13-rich

EC 50 (Sludge, 0.2 d): &gt; 105.3 mg/l

**12.2. Persistence and Degradability**Petroleum base oil

According to information available on the composition and the measured or predicted data, it is not expected that the essential components meet the criteria for rapid degradability but they are inherently biodegradable.

Fatty acids, tall-oil, reaction products with boric acid (H3BO3) and diethanolamine

Carbon dioxide generation 67.3 % (28 d, OECD TG 310)

Alcohols, C11-14-iso-, C13-rich

Oxygen depletion 60.6 % (28 d, OECD TG 301 F)

**12.3. Bioaccumulative Potential**Petroleum base oil

The other constituents of lubricating base oils have predicted values of log Kow ranging from 2 to 6 and over are considered potentially bioaccumulative

**Bioconcentration Factor (BCF)**Alcohols, C11-14-iso-, C13-rich

Rainbow Trout, Bioconcentration Factor (BCF): 45 (calculated)

**Partition Coefficient n-octanol / water (log Kow)**Tall oil, compound with ethanolamine

Log Kow: &gt; 6,56 (Non rapporté)

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Fatty acids, tall-oil, reaction products with boric acid (H3BO3) and diethanolamine

Log Kow: 11,7 (Measured)

Alcohols, C11-14-iso-, C13-rich

Log Kow: 5,4 (Measured)

**12.4. Mobilité dans le sol**

No data available

**12.5. Results of PBT and vPvB assessment**Huiles de base pétrolière

The substance does not meet all the specific criteria detailed in Annex XIII or does not allow direct comparison with all these criteria, but nevertheless indicates that the substance would present none of these properties and the substance is considered non PBT / vPvB. Le rate anthracene in this substance is not greater than 0.1%. No other representative hydrocarbon structure does not meet the PBT / vPvB criteria.

**12.6. Other Adverse Effects:**

No data available

**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 - 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.



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- 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

### Modifications

Section 2/3/12: 11/12/2017

#### **Wording of the H-statements in section 2 and 3:**

H304 - May be fatal if swallowed and enters airways.

H317 - May cause an allergic skin reaction

H400 - Very toxic to aquatic life

H411 - Toxic to aquatic life with long lasting effects

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