

RUSTOL-OWATROL / OWATROL OIL - RO001HCS

SAFETY DATA SHEET

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

1.1. Product identifier

Product name : RUSTOL-OWATROL / OWATROL OIL

Product code : RO001HCS.

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

Penetrating anti-rust primer - Paint Additive

1.3. Details of the supplier of the safety data sheet

Registered company name : DURIEU S.A..

Address : Z.I. "La Marinière" 2 bis, rue Charles de Gaulle.91070.BONDOUFLE.FRANCE.

Telephone : + 33 (0)1.60.86.48.70. Fax : + 33 (0)1.60.86.84.84.

info@durieu.com

www.durieu.com

1.4. Emergency telephone number : + 33 (0)1.45.42.59.59.

Association/Organisation : INRS / ORFILA <http://www.centres-antipoison.net>.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

2.2. Label elements

HCS compliant.

Precautionary statements - General :

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

Precautionary statements - Prevention :

P260 Do not breathe dust vapours.

P262 Do not get in eyes, on skin, or on clothing.

Precautionary statements - Response :

P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

2.3. Other hazards

No data available.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Composition :

Identification	HCS	Nota	%
INDEX: PCP186 EC: 918-481-9 REACH: 01-2119457273-39 HYDROCARBONS, C10-C13, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS	GHS08 Dgr Flam. Liq. 4, H227 Asp. Tox. 1, H304		25 <= x % < 50
INDEX: 298 EC: 918-811-1 REACH: 01-2119463583-34 HYDROCARBONS, C10, AROMATICS, <1% NAPHTALENE	GHS07, GHS08 Dgr Flam. Liq. 4, H227 Asp. Tox. 1, H304 Acute Tox. 5, H313 Acute Tox. 5, H333 STOT SE 3, H336		2.5 <= x % < 10

SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

RUSTOL-OWATROL / OWATROL OIL - R0001HCS

4.1. Description of first aid measures

In the event of splashes or contact with eyes :

Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open.

In the event of swallowing :

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

Keep the person exposed at rest. Do not force vomiting.

Seek medical attention, showing the label.

If swallowed accidentally, call a doctor to ascertain whether observation and hospital care will be necessary. Show the label.

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

No data available.

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

No data available.

SECTION 5 : FIREFIGHTING MEASURES

This product is not classed as flammable.

5.1. Extinguishing media

In the event of fire, use specifically suitable extinguishing agents. Never use water.

Suitable methods of extinction

In the event of a fire, use :

- sprayed water or water mist
- foam
- multipurpose ABC powder
- BC powder
- carbon dioxide (CO₂)

Unsuitable methods of extinction

Direct water jet.

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

No data available.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

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

Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections

No data available.

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling

Always wash hands after handling.

Ensure that there is adequate ventilation, especially in confined areas.

RUSTOL-OWATROL / OWATROL OIL - RO001HCS

Fire prevention :

- Handle in well-ventilated areas.
- Prevent access by unauthorised personnel.

Recommended equipment and procedures :

- For personal protection, see section 8.
- Observe precautions stated on label and also industrial safety regulations.
- Never pour water into this mixture.
- Packages which have been opened must be reclosed carefully and stored in an upright position.

Prohibited equipment and procedures :

- No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

- Do not keep in plastic containers - may soften plastic.
- Stock between +5°C and +30°C in a dry, well ventilated place.

Storage

- Keep out of reach of children.
- Keep the container tightly closed in a dry, well-ventilated place.
- The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.

Packaging

- Always keep in packaging made of an identical material to the original.
- Recommended types of packaging :
 - Vats
 - Drums
 - Buckets

7.3. Specific end use(s)

- No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

- No data available.

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

- Use personal protective equipment that is clean and has been properly maintained.
- Store personal protective equipment in a clean place, away from the work area.
- Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

- Avoid contact with eyes.
- Use eye protectors designed to protect against liquid splashes
- Before handling, wear safety goggles in accordance with standard EN166.

- Hand protection

- Wear suitable protective gloves in the event of prolonged or repeated skin contact.
- Type of gloves recommended :
 - Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))
 - PVA (Polyvinyl alcohol)
- Recommended properties :
 - Impervious gloves in accordance with standard EN374
- Permeability time : >480 min for a thickness >0.45 mm
- CEN recommendations : EN 420 and EN 374/3

- Body protection

- Suitable type of protective clothing :
 - In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.
 - In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.

RUSTOL-OWATROL / OWATROL OIL - R0001HCS

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

- Respiratory protection

Type of FFP mask :

Wear a disposable half-mask aerosol filter in accordance with standard EN149.

Category :

- FFP2

Anti-gas and vapour filter(s) (Combined filters) in accordance with standard EN14387 :

- A2 (Brown)

- B2 (Grey)

Particle filter according to standard EN143 :

- P2 (White)

CEN recommendations : EN 136, EN 140, EN 405 for masks and EN 143, EN 149 for filters.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information :

Physical state : Fluid liquid.

Colour : Amber

Important health, safety and environmental information

pH : Not relevant.

Boiling point/boiling range : Not relevant.

Intervalle de point d'éclair : 60°C (140 °F) < PE <= 93°C (199,4 °F)

Flash Point : 63.00 °C.

Vapour pressure (50°C) : Not relevant.

Vapour density : >1

Density : < 1

Water solubility : Insoluble.

Viscosity : ISO 3: 100s +/- 5 (20°C)

Method for determining the viscosity :

ISO 3104 (Petroleum products - Transparent and opaque liquids -

Determination of kinematic viscosity and calculation of dynamic viscosity).

>20,5 mm²/s (40°C)

Melting point/melting range : Not specified.

Self-ignition temperature : Not relevant.

Decomposition point/decomposition range : Not relevant.

% VOC : <52%

9.2. Other information

VOC (g/l) : 460

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide and dioxide, fumes and nitrogen oxide.

10.4. Conditions to avoid

Avoid :

- humidity

Protect from moisture. Reaction with water can cause an exothermic reaction.

Always stock in its original packaging. Do not transfer in another package.

RUSTOL-OWATROL / OWATROL OIL - R0001HCS

10.5. Incompatible materials

Keep away from :

- water

10.6. Hazardous decomposition products

The thermal decomposition may release/form :

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

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Splashes in the eyes may cause irritation and reversible damage

11.1.1. Substances

Acute toxicity :

HYDROCARBONS, C10, AROMATICS, <1% NAPHTALENE

- | | |
|--------------------------|--------------------------------------------------------------------------------------|
| Oral route : | LD50 > 5000 mg/kg
Species : Rat
OECD Guideline 401 (Acute Oral Toxicity) |
| Dermal route : | LD50 > 2000 mg/kg
Species : Rabbit
OECD Guideline 402 (Acute Dermal Toxicity) |
| Inhalation route (n/a) : | LC50 = 4.688 mg/l
Species : Rat
OECD Guideline 403 (Acute Inhalation Toxicity) |

HYDROCARBONS, C10-C13, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS

- | | |
|--------------------------|--------------------------------------------------------------------------------------|
| Oral route : | LD50 > 5000 mg/kg
Species : Rat
OECD Guideline 401 (Acute Oral Toxicity) |
| Dermal route : | LD50 > 5000 mg/kg
Species : Rabbit
OECD Guideline 402 (Acute Dermal Toxicity) |
| Inhalation route (n/a) : | LC50 = 4.951 mg/l
Species : Rat
OECD Guideline 403 (Acute Inhalation Toxicity) |

Germ cell mutagenicity :

HYDROCARBONS, C10, AROMATICS, <1% NAPHTALENE
No mutagenic effect.

HYDROCARBONS, C10-C13, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS
No mutagenic effect.

Carcinogenicity :

HYDROCARBONS, C10, AROMATICS, <1% NAPHTALENE
Carcinogenicity Test : Negative.
No carcinogenic effect.

HYDROCARBONS, C10-C13, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS
Carcinogenicity Test : Negative.
No carcinogenic effect.

RUSTOL-OWATROL / OWATROL OIL - R0001HCS

Reproductive toxicant :

HYDROCARBONS, C10, AROMATICS, <1% NAPHTALENE

No toxic effect for reproduction

OECD Guideline 414 (Prenatal Developmental Toxicity Study)

HYDROCARBONS, C10-C13, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS

No toxic effect for reproduction

OECD Guideline 414 (Prenatal Developmental Toxicity Study)

11.1.2. Mixture

Other information

Formula sent to the I.N.R.S.

SECTION 12 : ECOLOGICAL INFORMATION

The product must not be allowed to run into drains or waterways.

12.1. Toxicity

Insufficient data.

12.1.1. Substances

HYDROCARBONS, C10, AROMATICS, <1% NAPHTALENE

Fish toxicity :

Species : *Perca fluviatilis*

Crustacean toxicity :

EC50 ≤ 10 mg/l

Species : *Daphnia magna*

Duration of exposure : 48 h

Algae toxicity :

ECr50 = 11 mg/l

Species : *Pseudokirchnerella subcapitata*

Duration of exposure : 72 h

HYDROCARBONS, C10-C13, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS

Fish toxicity :

LC50 = 1000 mg/l

Species : *Oncorhynchus mykiss*

Duration of exposure : 96 h

Crustacean toxicity :

EC50 = 1000 mg/l

Species : *Daphnia magna*

Duration of exposure : 48 h

Algae toxicity :

ECr50 = 1000 mg/l

Species : *Pseudokirchnerella subcapitata*

Duration of exposure : 72 h

12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability

12.2.1. Substances

HYDROCARBONS, C10, AROMATICS, <1% NAPHTALENE

Biodegradability :

no degradability data is available, the substance is considered as not degrading quickly.

HYDROCARBONS, C10-C13, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS

Biodegradability :

Rapidly degradable.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

Contains volatile products that will disperse in air.

RUSTOL-OWATROL / OWATROL OIL - R0001HCS

Contains a solid phase.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS

The appropriate waste management of the mixture and/or its container must be determined in accordance with local regulations.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION

Exempt from transport classification and labelling.

14.1. UN number

-

14.2. UN proper shipping name

-

14.3. Transport hazard class(es)

-

14.4. Packing group

-

14.5. Environmental hazards

-

14.6. Special precautions for user

-

SECTION 15 : REGULATORY INFORMATION

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

The following regulations have been used:

- OSHA Hazard Communication Standard 29 CFR 1910.1200

- Container information:

No data available.

- Labelling for VOCs present in varnishes, paints and in vehicle refinishing products (2004/42/EC) :

The permitted European level of VOC in this ready-to-use product is limited to 460 g/l.

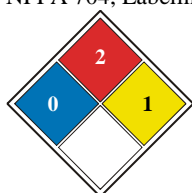
The permitted European level of VOC in the ready-to-use product (category II Ah) is 750 g/l maximum (2007/2010).

- Particular provisions :

No data available.

- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704) :

NFPA 704, Labelling: Health=0 Inflammability=2 Instability/Reactivity=1 Specific Risk=none



RUSTOL-OWATROL / OWATROL OIL - R0001HCS

- **Clean Water Act : Toxic Pollutants (CWA 307A)**
Unlisted.
- **Clean Water Act : Hazardous Substances (CWA 311)**
Unlisted.
- **Clean Water Act : Hazardous Substances (CWA 304b)**
Unlisted.
- **Clean Water Act : Priority Pollutants (CWA Priority)**
Unlisted.
- **Clean Air Act : Hazardous Air Pollutants (CAA 112(b) HAP (188))**
Unlisted.
- **Clean Air Act : Organic Hazardous Air Pollutants National Emission Standards (CAA 112(b) HON (387))**
Unlisted.
- **Clean Air Act : Protection of Stratospheric Ozone (CAA 602)**
Unlisted.
- **SARA 110**
Unlisted.
- **SARA 302/304**
Unlisted.
- **SARA 313**
Unlisted.
- **California proposition 65 : Chemicals known to the state to cause cancer or reproductive toxicity**
Unlisted.
- **Massachusetts : Right to Know**
Unlisted.
- **New Jersey : Right to Know**
Unlisted.
- **Pennsylvania : Hazardous Substance**
Unlisted.
- **Rhode Island : Hazardous substance list**
Unlisted.
- **TSCA (Toxic Substances Control Act) - USA**
Unlisted.

15.2. Chemical safety assessment

No data available.

SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Wording of the phrases mentioned in section 3 :

H227	Combustible liquid.
H304	May be fatal if swallowed and enters airways.
H313	May be harmful in contact with skin.
H313 + H333	May be harmful in contact with skin or if inhaled.
H333	May be harmful if inhaled.
H336	May cause drowsiness or dizziness.

Abbreviations :

ADR : European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.

RUSTOL-OWATROL / OWATROL OIL - R0001HCS

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

HCS : Hazard Communication standard (OSHA).