

**SAFETY DATA SHEET**

(REACH regulation (EC) n° 1907/2006 - n° 2015/830)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1. Product identifier**Product name : DEXTRON 2R
Product code : dextron-2r**1.2. Relevant identified uses of the substance or mixture and uses advised against**

Transmission oil

1.3. Details of the supplier of the safety data sheetRegistered company name : IPONE
Address : La Meunière . 13480 CABRIES FR
Telephone : +33 (0)4 42 94 05 65. Fax: +33 (0)4 42 94 05 66. Telex: .
info@ipone.fr**1.4. Emergency telephone number : www.centres-antipoison.net/index.**

Association/Organisation : Centre Anti Poison de NANCY.

Other emergency numbersUNITED STATES: 001 866 928 0789 / CANADA: 001 800 579 7421 / MEXICO : +52 55 5004 8763
BRAZIL : +55 11 3197 5891 / COLOMBIA : +57 1 508 7337 / ARGENTINA : +54 11 5984 3690 / CHILE : +562 2582 9336**SECTION 2 : HAZARDS IDENTIFICATION****2.1. Classification of the substance or mixture****In compliance with EC regulation No. 1272/2008 and its amendments.**

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 with the exception of possible occupational exposure thresholds (see paragraphs 3 and 8).
This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements**In compliance with EC regulation No. 1272/2008 and its amendments.**

No labelling requirements for this mixture.

2.3. Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) $\geq 0.1\%$ published by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>
The mixture fulfils neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS**3.2. Mixtures****Composition :**

| Identification | (EC) 1272/2008 | Note | % |
|--|-----------------------------------|------|--------------------|
| CAS: 64742-54-7 EC: 265-157-1 REACH: 01-2119484627-25 DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC | | L | 25 \leq x % < 50 |
| CAS: 64742-56-9 EC: 265-159-2 REACH: 01-2119480132-48 DISTILLATES (PETROLEUM), SOLVENT-DEWAXED LIGHT PARAFFINIC | GHS08 Dgr Asp. Tox. 1, H304 | | 25 \leq x % < 50 |
| CAS: 36878-20-3 EC: 253-249-4 REACH: 01-2119488911-28 BIS(NONYLPHENYL)AMINE | Aquatic Chronic 4, H413 | | 1 \leq x % < 2.5 |

| | | |
|---|--|--------------|
| CAS: 93882-40-7 EC: 299-434-3 4,4'-THIODIETHYLENE HYDROGEN -2-OCTADECENYLSUCCINATE | GHS07, GHS09 Wng Skin Sens. 1, H317 Eye Irrit. 2, H319 Aquatic Chronic 2, H411 | 0 <= x % < 1 |
|---|--|--------------|

(Full text of H-phrases: see section 16)

Information on ingredients :

Note L: The carcinogen classification does not apply because the substance contains less than 3 % w/w of dimethyl sulphoxide (DMSO) measured using the IP 346 method.

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.

4.1. Description of first aid measures**In the event of exposure by inhalation :**

Remove the victim to fresh air. If the symptoms persist, call a physician.

In the event of splashes or contact with eyes :

Wash immediately and abundantly with water, including under the eyelids.

In the event of splashes or contact with skin :

Immediately remove all soiled clothing.

Wash immediately and abundantly with soap and water.

In the event of swallowing :

Seek medical attention, showing 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

Non-flammable.

5.1. Extinguishing media**Suitable methods of extinction**

In the event of a fire, use :

- foam
- powder
- carbon dioxide (CO₂)

Unsuitable methods of extinction

In the event of a fire, do not use :

- 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.

Spilled product may make surfaces slippery.

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.

Avoid contact with eyes.

No special precaution apart from the observance of hygiene rules

Use only in well-ventilated areas.

Fire prevention :

Prevent access by unauthorised personnel.

Take precautionary measures against static discharges by bonding and grounding equipment.

No smoking.

Recommended equipment and procedures :

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Ensure good ventilation at the workplace

Prohibited equipment and procedures :

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

Do not breathe fumes, vapour, spray.

7.2. Conditions for safe storage, including any incompatibilities

Store between 5°C and 40°C in a dry, well ventilated place.

Only use hydrocarbon-resistant containers, joints and pipes.

Keep container tightly closed.

Storage

Keep out of reach of children.

Packaging

Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)

No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No data available.

Derived no effect level (DNEL) or derived minimum effect level (DMEL):

BIS(NONYLPHENYL)AMINE (CAS: 36878-20-3)

Final use:

Exposure method:

Potential health effects:

DNEL :

Workers.

Dermal contact.

Long term systemic effects.

0.62 mg/kg de poids corporel/jour

Exposure method:

Potential health effects:

DNEL :

Inhalation.

Long term systemic effects.

4.37 mg de substance/m3

Final use:

Exposure method:

Potential health effects:

DNEL :

Consumers.

Ingestion.

Long term systemic effects.

0.31 mg/kg de poids corporel/jour

Exposure method:

Potential health effects:

DNEL :

Dermal contact.

Long term systemic effects.

0.31 mg/kg de poids corporel/jour

Exposure method: Inhalation.
Potential health effects: Long term systemic effects.
DNEL : 1.09 mg de substance/m3

DISTILLATES (PETROLEUM), SOLVENT-DEWAXED LIGHT PARAFFINIC (CAS: 64742-56-9)

Final use: **Workers.**

Exposure method: Inhalation.
Potential health effects: Long term systemic effects.
DNEL : 5.4 mg de substance/m3

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC (CAS: 64742-54-7)

Final use: **Workers.**

Exposure method: Inhalation.
Potential health effects: Long term local effects.
DNEL : 5.4 mg de substance/m3

Final use: **Consumers.**

Exposure method: Inhalation.
Potential health effects: Long term local effects.
DNEL : 1.2 mg de substance/m3

Predicted no effect concentration (PNEC):

4,4'-THIODIETHYLENE HYDROGEN -2-OCTADECENYLSUCCINATE (CAS: 93882-40-7)

Environmental compartment: Fresh water.
PNEC : 0.000062 mg/l

BIS(NONYLPHENYL)AMINE (CAS: 36878-20-3)

Environmental compartment: Soil.
PNEC : 263000 mg/kg

Environmental compartment: Fresh water.
PNEC : 0.1 mg/l

Environmental compartment: Sea water.
PNEC : 0.01 mg/l

Environmental compartment: Fresh water sediment.
PNEC : 132000 mg/kg

Environmental compartment: Marine sediment.
PNEC : 13200 mg/kg

8.2. Exposure controls

Appropriate engineering controls

Ensure adequate ventilation, if possible with extractor fans at work posts and appropriate general extraction.
Personnel shall wear regularly laundered overalls.

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))

- Body protection

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

Breathing apparatus only when aerosol or spray are formed.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties****General information :**

| | |
|------------------|---------------|
| Physical state : | Fluid liquid. |
| Color: | red |

Important health, safety and environmental information

| | |
|--------------------------|--------------------------------|
| pH : | Not relevant. |
| Flash Point Interval : | FP > 100°C. |
| Vapour pressure (50°C) : | Not relevant. |
| Density : | < 1 |
| Water solubility : | Insoluble. |
| Viscosity : | 38.9 mm ² /s à 40°C |

9.2. Other information

No data available.

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

No data available.

10.4. Conditions to avoid

Avoid :

- heat
- flames and hot surfaces

10.5. Incompatible materials

Keep away from :

- strong oxidising agents

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**

No data available.

11.1.1. Substances**Acute toxicity :**

4,4'-THIODIETHYLENE HYDROGEN -2-OCTADECENYLSUCCINATE (CAS: 93882-40-7)

Oral route : LD50 > 10000 mg/kg
Species : Rat

BIS(NONYLPHENYL)AMINE (CAS: 36878-20-3)

Oral route : LD50 > 5000 mg/kg
Species : Rat
OCDE Ligne directrice 401 (Toxicité aiguë par voie orale)Dermal route : LD50 > 2000 mg/kg
Species : Rat
OCDE Ligne directrice 402 (Toxicité aiguë par voie cutanée)

DISTILLATES (PETROLEUM), SOLVENT-DEWAXED LIGHT PARAFFINIC (CAS: 64742-56-9)

Oral route : LD50 > 5000 mg/kg

Species : Rat

Dermal route : LD50 > 2000 mg/kg
Species : RabbitInhalation route (n/a) : LC50 > 5.53 mg/l
Species : Rat

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC (CAS: 64742-54-7)

Oral route : LD50 > 5000 mg/kg
Species : Rat
OCDE Ligne directrice 420 (Toxicité orale aiguë - Méthode de la dose prédéterminée)Dermal route : LD50 > 5000 mg/kg
Species : Rabbit
OCDE Ligne directrice 402 (Toxicité aiguë par voie cutanée)Inhalation route (n/a) : LC50 > 5 mg/l
Species : Rat
OCDE Ligne directrice 403 (Toxicité aiguë par inhalation)**Skin corrosion/skin irritation :**

DISTILLATES (PETROLEUM), SOLVENT-DEWAXED LIGHT PARAFFINIC (CAS: 64742-56-9)

Irritation : Effect observed : Erythème
No observed effect.
Average score < 1.5
Species : Rabbit
Duration of exposure : 72 h

4,4'-THIODIETHYLENE HYDROGEN -2-OCTADECENYLSUCCINATE (CAS: 93882-40-7)

Méthode REACH B.46 (Irritation cutanée in vitro: Essai sur modèle de peau humaine)

Respiratory or skin sensitisation :

4,4'-THIODIETHYLENE HYDROGEN -2-OCTADECENYLSUCCINATE (CAS: 93882-40-7)

Species : Others
OCDE Ligne directrice 406 (Sensibilisation de la peau)

DISTILLATES (PETROLEUM), SOLVENT-DEWAXED LIGHT PARAFFINIC (CAS: 64742-56-9)

Guinea Pig Maximisation Test (GMPT) : Non-sensitiser.

Germ cell mutagenicity :

DISTILLATES (PETROLEUM), SOLVENT-DEWAXED LIGHT PARAFFINIC (CAS: 64742-56-9)

Mutagenesis (in vivo) : Negative.
OCDE Ligne directrice 474 (Le test de micronoyaux sur les érythrocytes de mammifères)

4,4'-THIODIETHYLENE HYDROGEN -2-OCTADECENYLSUCCINATE (CAS: 93882-40-7)

No mutagenic effect.

OCDE Ligne directrice 471 (Essai de mutation réverse sur des bactéries)

Ames test (in vitro) : Negative.
With or without metabolic activation.**Carcinogenicity :**

DISTILLATES (PETROLEUM), SOLVENT-DEWAXED LIGHT PARAFFINIC (CAS: 64742-56-9)

Carcinogenicity Test : Negative.
No carcinogenic effect.
Species : Mouse

Reproductive toxicant :

DISTILLATES (PETROLEUM), SOLVENT-DEWAXED LIGHT PARAFFINIC (CAS: 64742-56-9)
Study on fertility : Species : Rat

Specific target organ systemic toxicity - single exposure :

DISTILLATES (PETROLEUM), SOLVENT-DEWAXED LIGHT PARAFFINIC (CAS: 64742-56-9)
Oral route : C = 125 mg/kg poids corporel
Species : Rat

Inhalation route : C > 0.98 mg/l/4h

Specific target organ systemic toxicity - repeated exposure :

DISTILLATES (PETROLEUM), SOLVENT-DEWAXED LIGHT PARAFFINIC (CAS: 64742-56-9)
Oral route : C >= 2000 mg/kg poids corporel/jour
Species : Rat

11.1.2. Mixture**Skin corrosion/skin irritation :**

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

Serious damage to eyes/eye irritation :

Mild eye irritation

Aspiration hazard :

"Inhalation of vapours may cause irritation of the respiratory system in very susceptible persons."
May cause lung damage if swallowed

SECTION 12 : ECOLOGICAL INFORMATION**12.1. Toxicity****12.1.1. Substances**

4,4'-THIODIETHYLENE HYDROGEN -2-OCTADECENYLSUCCINATE (CAS: 93882-40-7)

Fish toxicity : LC50 > 1000 mg/l
Species : Cyprinodon variegatus
Duration of exposure : 96 h
OCDE Ligne directrice 203 (Poisson, essai de toxicité aiguë)

Crustacean toxicity : EC50 = 9.5 mg/l
Species : Daphnia magna
Duration of exposure : 48 h
OCDE Ligne directrice 202 (Daphnia sp., essai d'immobilisation immédiate)

Algae toxicity : ECr50 <= 100 mg/l
Species : Pseudokirchnerella subcapitata
Duration of exposure : 72 h
OCDE Ligne directrice 201 (Algues, Essai d'inhibition de la croissance)

DISTILLATES (PETROLEUM), SOLVENT-DEWAXED LIGHT PARAFFINIC (CAS: 64742-56-9)

Fish toxicity : LC50 > 100 mg/l
Species : Pimephales promelas
Duration of exposure : 96 h

Crustacean toxicity : EC50 > 10000 mg/l
Species : Daphnia magna
Duration of exposure : 48 h

NOEC > 10 mg/l
Species : Daphnia magna
Duration of exposure : 21 jours

Algae toxicity : NOEC > 100 mg/l
Species : Pseudokirchnerella subcapitata

Duration of exposure : 72 h

BIS(NONYLPHENYL)AMINE (CAS: 36878-20-3)

Fish toxicity :

LC50 > 100 mg/l
Species : Danio rerio
Duration of exposure : 96 h
OCDE Ligne directrice 203 (Poisson, essai de toxicité aiguë)

Crustacean toxicity :

EC50 > 100 mg/l
Species : Daphnia magna
Duration of exposure : 48 h
OCDE Ligne directrice 202 (Daphnia sp., essai d'immobilisation immédiate)

Algae toxicity :

ECr50 > 100 mg/l
Species : Desmodesmus subspicatus
Duration of exposure : 72 h
OCDE Ligne directrice 201 (Algues, Essai d'inhibition de la croissance)**DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC (CAS: 64742-54-7)**

Fish toxicity :

LC50 > 100 mg/l
Duration of exposure : 96 h
OCDE Ligne directrice 203 (Poisson, essai de toxicité aiguë)Species : Oncorhynchus mykiss
Duration of exposure : 14 jours

Crustacean toxicity :

EC50 > 10000 mg/l
Species : Daphnia magna
Duration of exposure : 48 h
OCDE Ligne directrice 202 (Daphnia sp., essai d'immobilisation immédiate)

Duration of exposure : 14 jours

Algae toxicity :

ECr50 > 100 mg/l
Duration of exposure : 48 h
OCDE Ligne directrice 201 (Algues, Essai d'inhibition de la croissance)**12.1.2. Mixtures**

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability**12.2.1. Substances****4,4'-THIODIETHYLENE HYDROGEN -2-OCTADECENYLSUCCINATE (CAS: 93882-40-7)**Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.
DBO5/DCO >= 0.5**BIS(NONYLPHENYL)AMINE (CAS: 36878-20-3)**

Biodegradability : Non-rapidly degradable.

DISTILLATES (PETROLEUM), SOLVENT-DEWAXED LIGHT PARAFFINIC (CAS: 64742-56-9)

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

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC (CAS: 64742-54-7)

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

12.3. Bioaccumulative potential**12.3.1. Substances****4,4'-THIODIETHYLENE HYDROGEN -2-OCTADECENYLSUCCINATE (CAS: 93882-40-7)**Bioaccumulation : BCF > 140
OCDE Ligne directrice 305 (Bioconcentration: Essai dynamique chez le

poisson)

BIS(NONYLPHENYL)AMINE (CAS: 36878-20-3)

Octanol/water partition coefficient : log K_{ow} > 7.6

DISTILLATES (PETROLEUM), SOLVENT-DEWAXED LIGHT PARAFFINIC (CAS: 64742-56-9)

Octanol/water partition coefficient : log K_{ow} > 3.5

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC (CAS: 64742-54-7)

Octanol/water partition coefficient : log K_{ow} > 6

12.4. Mobility in soil

Not very mobile in soil.

The product is insoluble in water and will spread on the surface

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

Do not dispose of the product in the natural environment, effluents or surface waters.

German regulations concerning the classification of hazards for water (WGK) :

WGK 1 (VwVwS vom 27/07/2005, KBws) : Slightly hazardous for water.

SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

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

- Classification and labelling information included in section 2:

The following regulations have been used:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 487/2013.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 758/2013.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 944/2013.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 605/2014.

- EU Regulation No. 1272/2008 amended by EU Regulation No. 1297/2014.

- Container information:

No data available.

- Particular provisions :

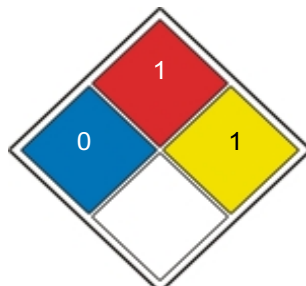
No data available.

- German regulations concerning the classification of hazards for water (WGK) :

WGK 1 (VwVwS vom 27/07/2005, KBws) : Slightly hazardous for water.

- 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=1 Instability/Reactivity=1 Specific Risk=none



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 :

| | |
|------|---|
| H304 | May be fatal if swallowed and enters airways. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H411 | Toxic to aquatic life with long lasting effects. |
| H413 | May cause long lasting harmful effects to aquatic life. |

Abbreviations :

DNEL : Derived No-Effect Level

PNEC : Predicted No-Effect Concentration

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.

WGK : Wassergefährdungsklasse (Water Hazard Class).

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

SVHC : Substances of very high concern.