



# TRANSYL®

## RELEASE OIL - LUBRICANT

TRANSYL is a lubricating, deep penetrating, self spreading liquid. It is superb for the dismantling and maintenance of metal assemblies (screws, axles, hinges, various tools,...), and for lubricating tough to reach metal spaces, such as joints.



### TRANSYL : 4 MAJOR FUNCTIONS!

**RELEASER** - TRANSYL is extremely efficient because it "goes everywhere". When metal joints, bolts, screws, gates, etc. are seized up because of rust, an application of TRANSYL is the answer. TRANSYL penetrates and spreads between the seized surfaces and leaves a lubricating film that allows the metal pieces to be released. When joints are "soldered" together by rust, an application of TRANSYL will penetrate into difficult to reach places and deposit a lubricating film that allows the pieces to be disengaged.



**LUBRICANT** - Because of its outstanding fluidity and unique chemical composition, TRANSYL is able to lubricate inaccessible parts of complicated mechanisms. TRANSYL penetrates where classical lubricants can not. If a low penetrating lubricant is needed, use TRANSYL before the application of the higher viscous lubricant. TRANSYL will serve as the "vehicle" in allowing the lubricant to better penetrate.



**EVERYDAY MAINTAINANCE** - Because of its unique chemical composition, TRANSYL works as a very good cleaning agent. It dissolves grease, dirty oil, and gum. After cleaning, TRANSYL leaves a thin protective film on the metal surface that protects the surface from rapid oxidation. Using TRANSYL will help avoid periodic machinery disassemblies. It can be used on the most diverse of machines, from the heaviest to the most mechanically complex.



**METAL TOOLING** - Experience has proven that excellent results are obtained when TRANSYL is used for machining (drilling, cutting, counter-sinking, etc.). TRANSYL is especially good when working with aluminium and its alloys and stainless steel. TRANSYL gives better results than soluble oils. It helps prevent glazing and gives a more regular finish to the metal. TRANSYL replaces the usual metal stamping lubricants, and because of its neutrality, is also good for cutting plastic.



# TRANSYL®

## CHARACTERISTICS

TRANSYL is a compound liquid composed of selected mineral oils, solvents, and chemical additives. Very fluid, TRANSYL can be used between - 30°C to + 50°C. It does not contain caustic or acid substances. TRANSYL can be applied by injection, spraying, or dipping. It will not attack and harm metal or painted surfaces. TRANSYL will not freeze, and works well when it is cold, maintaining its excellent spreading benefits. TRANSYL can be kept indefinitely - it evaporates very slowly.

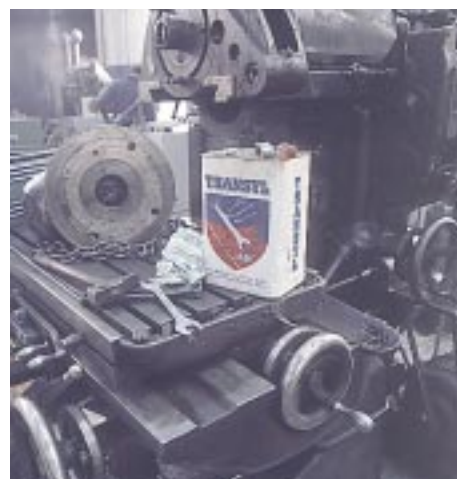
**SELF SPREADING** : Having excellent “wetting” abilities, TRANSYL spreads quickly and penetrates deeply. Hours after application, TRANSYL will continue to spread. TRANSYL’s great spreading ability enables it to penetrate into tough to reach places.

**CLIMBING POWER** : TRANSYL’s very low surface tension and great wetting powers, coupled with capillary attraction, enable TRANSYL to “climb” along the vertical sides of metal parts. This efficiency is a great advantage.

**PENETRATING POWER** : The spreading and climbing powers of TRANSYL contribute to its tremendous penetrating power. These attributes enable TRANSYL to saturate three dimensional TRANSYL penetrates through rusty and dirty barriers and infiltrates between joined rusty surfaces. assemblies. For moderately rusty assemblies, TRANSYL will work in minutes. For more severely damaged parts, several hours may be needed for TRANSYL to penetrate and allow for the assemblies to be disassembled.

### TECHNICAL SPECIFICATIONS :

- Appearance.....limpid liquid
- Color.....blue
- Density at 18°C..... 0,847 kg/l
- Viscosity
  - at - 10°C.....13,2 cps
  - at + 0°C..... 8,6 cps
  - at + 20°C..... 4,2 cps
  - at + 50°C..... 2,1 cps
- Flashpoint.....+ 70°C. (closed cup - NF T 60 103)
- Evaporation speed.....slow
- Self inflammation temperature.....> 300°C.
- Neutral - Does not contain acid or base.
- Not subject to labelling according to EU regulations.



*OVER 60 YEARS OF INNOVATION AND SUCCESS*



TRANSYL manufactured in France by :  
Produits DURIEU S.A.  
BP 75 - 91072 BONDOUFLE CEDEX FRANCE  
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## SAFETY DATA SHEET

### 1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

#### Identification of the substance or preparation:

Name: TRANSYL.

Product code: TR01.

#### Company/undertaking identification:

Registered company name: Produits DURIEU S.A..

Address: Z.A.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. Telex:.

#### Emergency telephone: + 33 (0)1.45.42.59.59.

Association/Organisation: O.R.F.I.L.A.

#### Use of the substance/preparation:

Release oil - Lubricant

### 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Full text of risk phrases appearing in section 2: see section 16.

#### Hazardous substances present on their own:

(present in the preparation at a sufficient concentration to give it the toxicological characteristics it would have in a 100% pure state)

This preparation contains no hazardous substance in this category.

#### Other substances representing a hazard:

INDEX	CAS	EC	Name	Symb.	R:	%
010	25265-78-5	246-772-4	DODECYLBENZENE	Xn	36 65	2.5 <= x % < 10
649-330-00-2	64742-82-1	265-185-4	NAPHTHA (PETROLEUM), HYDRODESULFURIZED HEAVY	Xn	65	25 <= x % < 50
649-423-00-8	64742-81-0	265-184-9	KEROSINE (PETROLEUM), HYDRODESULFURIZED	Xn	65	2.5 <= x % < 10

#### Substances present at a concentration below the minimum danger threshold:

INDEX	CAS	EC	Name	Symb.	R:	%
011	94266-48-5	304-455-9	HUILE DE PIN 70 LG	Xi	38	2.5 <= x % < 10
601-052-00-2	91-20-3	202-049-5	NAPHTHALENE	Xn N	40.C3 50/53 22	0 <= x % < 2.5
603-009-00-3	108-93-0	203-630-6	CYCLOHEXANOL	Xn	20/22 37/38	2.5 <= x % < 10

#### Other substances with occupational exposure limits:

No known substance in this category present.

#### Other components:

INDEX	CAS	EC	Name	Symb.	R:	%
649-466-00-2	64742-53-6	265-156-6	DISTILLATES (PETROLEUM), HYDROTREATED LIGHT NAPHTHENIC			25 <= x % < 50

### 3 - IDENTIFICATION OF HAZARDS

This product is not classed as flammable. Refer to the recommendations regarding the other products present on the site

This preparation presents an aspiration hazard because of their low viscosity associated with a petroleum by-product.

### 4 - FIRST AID MEASURES

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

NEVER induce swallowing in an unconscious person.

#### In the event of exposure by inhalation:

If a large quantity is inhaled, move the patient into the fresh air and keep him/her warm and still.

#### In the event of splashes or contact with eyes:

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

Refer the patient to an ophthalmologist, in particular if there is any redness, pain or visual impairment.

#### In the event of splashes or contact with skin:

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.

DO NOT use solvents or thinners.

**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.  
If swallowed accidentally, call a doctor to assess the need for monitoring and subsequent treatment in hospital. Show him the label.

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**5 - FIRE-FIGHTING MEASURES**

Not relevant.

**Suitable extinguishing media:**

Foam, CO2, Dry chemical.

**Extinguishing media which must not be used for safety reasons:**

Water may be ineffective as extinguishing medium but may be used to cool closed containers exposed to heat.

**Special protective equipment for fire-fighters:**

Due to the toxicity of the gas emitted on thermal decomposition of the products, fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

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**6 - ACCIDENTAL RELEASE MEASURES**

**Personal precautions:**

Consult the safety measures listed under headings 7 and 8.

**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.

Use drums to dispose of waste recovered in accordance with applicable regulations (see heading 13).

If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures

**Methods for cleaning up:**

Clean preferably with a detergent, do not use solvents.

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**7 - HANDLING AND STORAGE**

The regulations relating to storage premises apply to workshops where the product is handled.

**Handling:**

Handle in well-ventilated areas.

Never suck up this product.

Large storage tanks should be earthed.

**Fire prevention:**

Prevent access by unauthorised personnel.

N/A

**Recommended equipment and procedures:**

For personal safety, see §8.

Observe precautions stated on label and also industrial safety regulations

Packages which have been opened must be reclosed carefully and stored in an upright position

**Prohibited equipment and procedures:**

Smoking, eating and drinking are prohibited in premises where the preparation is used

Never open the packages under pressure

**Storage:**

Keep the container tightly closed in a dry 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.

Do not keep in plastic containers - may soften plastic.

Keep away from corrosive agents such as strong acids or alkalines to avoid possible leakage or self combustion.

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**8 - EXPOSURE CONTROLS/PERSONAL PROTECTION**

Use personal protection equipment as per Directive 89/686/EEC.

**Technical measures:**

Ensure adequate ventilation, if possible with extractor fans at work posts and appropriate general extraction.

If this ventilation is insufficient to maintain the concentration of solvent vapors below the exposure limits, wear breathing apparatus

**Exposure limit values per INRS ND 2098-174-99 and ND 2114-176-99:**

France	VME-ppm:	VME-mg/m3:	VLE-ppm:	VLE-mg/m3:	Notes:	TMP N°:
108-93-0	50	200	75	300	-	84
91-20-3	10	50	-	-	-	-

**Exposure limit values (2003-2006):**

Germany/AGW	AGW:	AGW:	Faktor:	Bemerkungen:		
108-93-0	50 ml/m3	210 mg/m3	1(I)	DFG, H		
UK/WELs	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
108-93-0	50 ppm	-	-	-	-	-
UK/OES	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
108-93-0	50 ppm	-	-	-	-	-
91-20-3	10 ppm	15 ppm	-	-	-	-
ACGIH/TLV	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
64742-81-0	200 mg/m3	-	-	-	-	-
108-93-0	50 ppm	-	-	-	-	-
91-20-3	10 ppm	15 ppm	-	-	-	-

**Respiratory protection:**

Where workers encounter concentrations higher than the exposure limits, they must wear suitable, approved masks.

**Hand protection:**

Protective creams may be used for exposed skin, but they should not be applied after contact with the product.

In the event of prolonged or repeated contact with the hands, use appropriate gloves.

**Eye and face protection:**

Use eye protectors designed to protect against liquid splashes

**Skin protection:**

For further information, see § 11 of S.D.S. - Toxicological information.

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## 9 - PHYSICAL AND CHEMICAL PROPERTIES

**General information:**

Physical state: fluid liquid

**Important health, safety and environmental information:**

pH of the substance or preparation: neutral.  
When a pH measure is possible, it has a value of: not stated.  
Boiling point/boiling range: not relevant.  
Flash point interval: Flash point: > 61°C  
vapour pressure: not specified.  
Density: < 1  
water solubility: Insoluble.

**Other information:**

Miscibility: Non miscible avec l'eau  
melting point/melting range: not relevant.  
Self-ignition temperature: 350 °C.  
Decomposition point/decomposition range : not relevant.

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## 10 - STABILITY AND REACTIVITY

When exposed to high temperatures, the preparation may release dangerous decomposition products such as carbon monoxide and dioxide, smoke and nitrogen oxide

**Conditions to avoid:**

Refer to §7.

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## 11 - TOXICOLOGICAL INFORMATION

No data is available regarding the preparation itself.

Exposure to vapors from solvents contained in the preparation beyond the exposure limits stated may produce effects harmful to health, such as:

Irritation of mucous membrane and respiratory system, kidneys, liver and central nervous system.

Symptoms produced will include headaches, numbness, dizziness, fatigue, muscular asthenia and, in extreme cases, loss of consciousness.

Prolonged or repeated contact with the preparation may strip the skin of its natural oil and thus cause non-allergic dermatitis on contact and absorption through the epidermis.

Splashes in the eyes may cause irritation and reversible damage

**In the event of exposure by inhalation:**

Refer to §4 "FIRST AID".

**In the event of swallowing:**

Refer to §4 "FIRST AID".

**In the event of splashes or contact with skin:**

Refer to §4 "FIRST AID".

**In the event of splashes or contact with eyes:**

Refer to §4 "FIRST AID".

**Other data:**

CAS 91-20-3 : IARC Groupe 2B (The agent is possibly carcinogenic to humans).

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## 12 - ECOLOGICAL INFORMATION

No ecological data on the product itself is available.

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

**Mobility:**

Contains volatile products that will disperse in air.

**Persistence and degradability:**

Not easily biodegradable.

**Ecotoxicity:**

Harmful to aquatic organisms, can cause long lasting negative effects on the aquatic environment.

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## 13 - DISPOSAL CONSIDERATIONS

Do not pour into drains or waterways.

**Waste:**

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.

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## 14 - TRANSPORT INFORMATION

Exempt from transport classification and labelling.

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2005 - IMDG 2004 - ICAO/IATA 2005).

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## 15 - STATUTORY INFORMATION

This preparation was classified in compliance with the directive known as <All preparations> 1999/45/EC and its adaptations

In addition directive 2004/73/EC with the 29° adaptation of directive 67/548/EEC (Hazardous substances) have been taken into account.

This product is not classed as flammable.

**Preparation classification:**

Harmful.



**Contains:**

010	DODECYLBENZENE
649-330-00-2	NAPHTHA (PETROLEUM), HYDRODESULFURIZED HEAVY
649-423-00-8	KEROSINE (PETROLEUM), HYDRODESULFURIZED

**Particular hazards associated with the preparation and safety recommendations:**

R 65	Harmful. may cause lung damage if swallowed.
S 2	Keep out of reach of children.
S 62	If swallowed, do not induce vomiting : seek medical advice immediately and show this container or label.

- S 23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).  
S 24 Avoid contact with skin.  
S 41 In case of fire and/or explosion do not breathe fumes.  
Marine Pollutant P.

**Particular provisions:**

- Child-resistant fastenings (Annex IV A2- 1999/45/EC)  
Tactile warning of danger.

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**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 product must not be used for any purposes other than those specified under heading 1 without first obtaining 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 given on this safety data sheet must be regarded as a description of the safety requirements relating to our product and not a guarantee of its properties

**Full text of risk phrases appearing in section 2:**

- R 20/22 Harmful by inhalation and if swallowed.  
R 22 Harmful if swallowed.  
R 36 Irritating to eyes.  
R 37/38 Irritating to respiratory system and skin.  
R 38 Irritating to skin.  
R 40.C3 Limited evidence of a carcinogenic effect.  
R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R 65 Harmful. may cause lung damage if swallowed.