

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

SDS #: 30520 FINAVESTAN A 80 B

Date of the previous version: 2019-03-29 Revision Date: 2020-01-28 Version 4.07

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE

COMPANY/UNDERTAKING

## 1.1. Product identifier

Product name FINAVESTAN A 80 B REACH Registration Number 01-2119487078-27

Number J95
Substance/mixture Substance

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

Identified uses White mineral oil.

1.3. Details of the supplier of the safety data sheet

Supplier A - TOTAL UK LIMITED

183 Eversholt St, Kings Cross

London, NW1 1BU UNITED KINGDOM Tel: +44 (0)20 7339 8000 Fax: +44 (0)20 7339 8033

B - TOTAL LUBRIFIANTS 562 Avenue du Parc de L'ile 92029 Nanterre Cedex

**FRANCE** 

Tél: +33 (0)1 41 35 40 00 Fax: +33 (0)1 41 35 84 71

#### For further information, please contact:

Contact Point A - HSE

B - HSE

E-mail Address A - rm.gb-msds@total.co.uk

B - rm.msds-lubs@total.com

## 1.4. Emergency telephone number

Emergency telephone: +44 1235 239670

UK: National Poisons Information Service (NPIS): NHS on 111 or a doctor

Ireland: National poisons information Centre (NPIC): +353 1 8379964 or +353 1 809 2566. The service is available from 8.00am until 10.00pm at night, seven (7) days a week, 365 days a year.

Section 2: HAZARDS IDENTIFICATION



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# 2.1. Classification of the substance or mixture

## **REGULATION (EC) No 1272/2008**

For the full text of the H-Statements mentioned in this Section, see Section 2.2.

#### Classification

The product is classified as dangerous in accordance with Regulation (EC) No. 1272/2008 Aspiration toxicity - Category 1 - (H304)

## 2.2. Label elements

Labelled according to REGULATION (EC) No 1272/2008

Contains White mineral oil (petroleum)

**EC-No** 232-455-8



#### Signal word DANGER

#### **Hazard Statements**

H304 - May be fatal if swallowed and enters airways

#### **Precautionary statements**

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor

P331 - Do NOT induce vomiting

P405 - Store locked up

P501 - Dispose of contents/ container to an approved waste disposal plant

#### 2.3. Other hazards

**Physical-Chemical Properties** Contaminated surfaces will be extremely slippery.

**Environmental properties**The product may form an oil film on the water surface that may stop the oxygen exchange.

# Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

## 3.1. Substance

Chemical nature White mineral oil.



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Hazardous components

Chemical Name	EC-No	REACH Registration Number	CAS-No	Weight %	Classification (Reg. 1272/2008)
White mineral oil (petroleum)***	232-455-8	01-2119487078-27	8042-47-5	100	Asp. Tox. 1 (H304)

**Additional information** Product containing mineral oil with less than 3% DMSO extract as measured by IP 346.

For the full text of the H-Statements mentioned in this Section, see Section 16.

# Section 4: FIRST AID MEASURES

## 4.1. Description of first aid measures

General advice IN CASE OF SERIOUS OR PERSISTENT CONDITIONS, CALL A DOCTOR OR

EMERGENCY MEDICAL CARE.

Eye contact Immediately flush with plenty of water. After initial flushing, remove any contact lenses and

continue flushing for at least 15 minutes. Keep eye wide open while rinsing.

**Skin contact** Wash off immediately with soap and plenty of water while removing all contaminated

clothes and shoes. Wash contaminated clothing before reuse.

**Inhalation** Remove casualty to fresh air and keep at rest in a position comfortable for breathing. If not

breathing, give artificial respiration.

Ingestion Clean mouth with water. Do NOT induce vomiting. Never give anything by mouth to an

unconscious person. Call a physician or poison control centre immediately.

Protection of first-aiders First aider needs to protect himself. See Section 8 for more detail. Do not use

mouth-to-mouth method if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper

respiratory medical device.

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

Eye contact Not classified based on available data.

**Skin contact**Not classified based on available data. High pressure injection of the products under the

skin may have very serious consequences even though no symptom or injury may be

apparent.

Inhalation Not classified based on available data. Inhalation of vapours in high concentration may

cause irritation of respiratory system.

Ingestion If swallowed accidentally, the product may enter the lungs due to its low viscosity and lead

to the rapid development of very serious pulmonary lesions (medical survey during 48 hours). May be fatal if swallowed and enters airways. Ingestion may cause gastrointestinal

irritation, nausea, vomiting and diarrhoea.

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



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Notes to physician Treat symptomatically.

Section 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media Carbon dioxide (CO<sub>2</sub>). Foam. Water spray or fog. Dry powder.

Unsuitable Extinguishing Media Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

Special hazard Incomplete combustion and thermolysis may produce gases of varying toxicity such as

carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot. These may

be highly dangerous if inhaled in confined spaces or at high concentration.

5.3. Precautions for fire-fighters

Special protective equipment for

fire-fighters

Wear self-contained breathing apparatus and protective suit.

Other information Cool containers / tanks with water spray. Fire residues and contaminated fire extinguishing

water must be disposed of in accordance with local regulations.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

General Information Do not touch or walk through spilled material. Contaminated surfaces will be extremely

slippery. Use personal protective equipment. Ensure adequate ventilation. Remove all

sources of ignition.

6.2. Environmental precautions

**General Information** Do not allow material to contaminate ground water system. Prevent entry into waterways,

sewers, basements or confined areas. Local authorities should be advised if significant

spillages cannot be contained.

6.3. Methods and material for containment and cleaning up

Methods for containment Dike to collect large liquid spills. If necessary dike the product with dry earth, sand or similar

non-combustible materials.

Methods for cleaning up

Dispose of contents/container in accordance with local regulation. In case of soil

contamination, remove contaminated soil for remediation or disposal, in accordance with

local regulations.

6.4. Reference to other sections

Personal protective equipment See Section 8 for more detail.



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Waste treatment See section 13.

Section 7: HANDLING AND STORAGE

# 7.1. Precautions for safe handling

Advice on safe handling For personal protection see section 8. Use only in well-ventilated areas. Do not breathe

vapours or spray mist. Avoid contact with skin, eyes and clothing.

**Prevention of fire and explosion** Take precautionary measures against static discharges.

Hygiene measures Ensure the application of strict rules of hygiene by the personnel exposed to the risk of

contact with the product. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product. Regular cleaning of equipment, work area and clothing is recommended. Do not use abrasives, solvents or fuels. Do not dry hands with rags that have been contaminated with product. Do not put product

contaminated rags into workwear pockets.

# 7.2. Conditions for safe storage, including any incompatibilities

**Technical measures/Storage** 

conditions

Keep away from food, drink and animal feedingstuffs. Keep in a bunded area. Keep container tightly closed. Preferably keep in the original container. Otherwise, reproduce all the statutory information from the labels onto the new container. Do not remove the hazard labels of the containers (even if they are empty). Design the installations in order to avoid accidental emissions of product (due to seal breakage, for example) onto hot casings or electrical contacts. Store at room temperature. Protect from moisture.

Materials to avoid Strong oxidising agents.

7.3. Specific use(s)

Specific use(s) Please refer to Technical Data Sheet for further information.

# Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

## 8.1. Control parametres

**Exposure limits** Mineral oil mist:

USA: OSHA (PEL) TWA 5 mg/m3, NIOSH (REL) TWA 5 mg/m3, STEL 10 mg/m3, ACGIH

(TLV) TWA 5 mg/m³ (highly refined)

**Legend** See section 16

# **Derived No Effect Level (DNEL)**

DNEL Worker (Industrial/Professional)

Chemical Name	Short term, systemic	Short term, local effects	Long term, systemic	Long term, local effects
	effects		effects	



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White mineral oil	220 mg/kg/8h (dermal)
(petroleum)***	160 mg/m³/8h (aerosol -
8042-47-5	inhalation)

#### **DNEL Consumer**

Chemical Name	Short term, systemic effects	Short term, local effects	Long term, systemic effects	Long term, local effects
White mineral oil (petroleum)*** 8042-47-5			92 mg/kg/8h (dermal) 35 mg/m³/8h (aerosol - inhalation) 40 mg/kg/24h (oral)	

## 8.2. Exposure controls

#### **Occupational Exposure Controls**

Engineering measures

Apply technical measures to comply with the occupational exposure limits. Ensure adequate ventilation, especially in confined areas. When working in confined spaces (tanks, containers, etc.), ensure that there is a supply of air suitable for breathing and wear the recommended equipment.

## Personal protective equipment

**General Information** 

Protective engineering solutions should be implemented and in use before personal protective equipment is considered. The personal protective equipment (PPE) recommendations apply to the product AS DELIVERED. In case of mixtures or formulations, it is suggested that you contact the relevant PPE suppliers.

Respiratory protection

None under normal use conditions. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Respirator with combination filter for vapour/particulate (EN 14387). Type A/P2. Warning! filters have a limited use duration. The use of breathing apparatus must comply strictly with the manufacturer's instructions and the regulations governing their choices and uses.

Eye protection

If splashes are likely to occur, wear:. Safety glasses with side-shields. EN 166.

Skin and body protection

Wear suitable protective clothing. Protective shoes or boots. Long sleeved clothing. Type

Hand protection

Hydrocarbon-proof gloves. Fluorinated rubber. Nitrile rubber. In case of prolonged contact with the product, it is recommended to wear gloves complying with EN 420 and EN 374 standards, protecting at least for 480 minutes and having a thickness of 0,38 mm at least. These values are indicative only. The level of protection is provided by the material of the glove, its technical characteristics, its resistance to the chemicals to be handled, the appropriateness of its use and its replacement frequency. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

#### **Environmental exposure controls**

**General Information** 

The product should not be allowed to enter drains, water courses or the soil.



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Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance Clear
Colour colourless
Physical state @20°C liquid
Odour odourless

Odour Threshold No information available

<u>Property</u> <u>Values</u> <u>Remarks</u> <u>Method</u>

**pH Melting point/range**Not applicable
Not applicable

Boiling point/boiling range No information available

Flash point > 182 °C ASTM D 92

> 360 °F ASTM D 92

**Evapouration rate**No information available

Flammability Limits in Air

**Upper** 7.0 % **Lower** 0.9 %

Vapour pressure < 0.013 kPa @ 20 °C

Solubility in other solvents Soluble in many common

organic solvents

logPowNo information availableAutoignition temperatureNo information availableDecomposition temperatureNo information available

Decomposition temperatureNo information availableViscosity, kinematic14.5 - 17.5 mm2/s@ 40 °C

3.7 mm2/s @ 100 °C

Explosive properties Not explosive

Oxidising properties Not applicable

Possibility of hazardous reactions No information available

9.2. Other information

Freezing point No information available

Pour point -6 °C

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

**General Information** None under normal processing.

ASTM D 445

ASTM D 445



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10.2. Chemical stability

**Stability** Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoid

Conditions to avoid Keep away from open flames, hot surfaces and sources of ignition. Keep away from heat

and sparks.

10.5. Incompatible materials

Materials to avoid Strong oxidising agents.

10.6. Hazardous Decomposition Products

Hazardous Decomposition Products None under normal use. Incomplete combustion and thermolysis may produce gases of

varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes

and soot.

# Section 11: TOXICOLOGICAL INFORMATION

## 11.1. Information on toxicological effects

## Acute toxicity Local effects Product Information

**Skin contact** . Not classified based on available data. High pressure injection of the products under the

skin may have very serious consequences even though no symptom or injury may be

apparent.

**Eye contact** . Not classified based on available data.

**Inhalation** . Not classified based on available data. Inhalation of vapours in high concentration may

cause irritation of respiratory system.

**Ingestion** . If swallowed accidentally, the product may enter the lungs due to its low viscosity and

lead to the rapid development of very serious pulmonary lesions (medical survey during 48 hours). May be fatal if swallowed and enters airways. Ingestion may cause gastrointestinal

irritation, nausea, vomiting and diarrhoea.

**ATEmix (oral)** > 5,000.00 mg/kg

**ATEmix (dermal)** > 5,000.00 mg/kg

ATEmix (inhalation-gas) > 20,000.00 ppm ATEmix (inhalation-dust/mist) 5.10 mg/l ATEmix (inhalation-vapour) > 20.00 mg/l



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## Acute toxicity - Component Information

	Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Wh	nite mineral oil (petroleum)***	LD50 > 5000 mg/kg bw (rat)	LD50 > 2000 mg/kg bw (rabbit)	LC50 (4h) > 5000 mg/m <sup>3</sup> air
				(aerosol) (rat)

Sensitisation

Not classified based on available data. Sensitisation

Specific effects

Carcinogenicity Not classified based on available data. Not classified based on available data. Germ cell mutagenicity

Not classified based on available data. Reproductive toxicity

Repeated dose toxicity

Target Organ Effects (STOT)

Specific target organ systemic toxicity (single exposure)

Not classified based on available data.

Specific target organ toxicity -

repeated exposure

Not classified based on available data.

**Aspiration toxicity** The fluid can enter the lungs and cause damage (chemical pneumonitis, potentially fatal).

May be fatal if swallowed and enters airways.

Other information

Characteristic skin lesions (oil blisters) may develop following prolonged and repeated Other adverse effects

exposures (contact with contaminated clothing).

# Section 12: ECOLOGICAL INFORMATION

## 12.1. Toxicity

Not classified based on available data.

#### Acute aquatic toxicity - Product Information

No information available.

# Acute aquatic toxicity - Component Information

Chemical Name	Toxicity to algae	Toxicity to daphnia and other aquatic invertebrates.	Toxicity to fish	Toxicity to microorganisms
White mineral oil	EL50 (48h) > 100 mg	EL50 (48h) > 100 mg/l	LL50 (96h) > 100 mg/l	
(petroleum)***	(Pseudokirchnerella	(Daphnia magna - OECD	(Oncorhynchus mykiss -	
8042-47-5	subcapitata - OECD 201)	202)	OECD 203)	



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Chronic aquatic toxicity - Product Information

No information available.

## Chronic aquatic toxicity - Component Information

Chemical Name	Toxicity to algae	Toxicity to daphnia and other aquatic invertebrates.	Toxicity to fish	Toxicity to microorganisms
White mineral oil	Vhite mineral oil		NOEL (14/21d) > 1000 mg/l	
(petroleum)***	eum)*** (Daj		(Oncorhynchus mykiss -	
8042-47-5		211)	QSAR Petrotox)	

## Effects on terrestrial organisms

No information available.

# 12.2. Persistence and Degradability

#### **General Information**

No information available.

# 12.3. Bioaccumulative potential

**Product Information** No information available.

logPowNo information availableComponent InformationNo information available.\*\*\*

Component information	TTO IIIIOIIII ATAIIADIO.		
Chemical Name		log Pow	
White mineral oil (petroleur	n)*** - 8042-47-5	-	

# 12.4. Mobility in soil

Soil Given its physical and chemical characteristics, the product generally shows low soil

mobility.

Air Loss by evaporation is limited.

Water The product is insoluble and floats on water.

# 12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment No information available.

## 12.6. Other adverse effects

**General Information** No information available.

# Section 13: DISPOSAL CONSIDERATIONS



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# 13.1. Waste treatment methods

Waste from residues / unused

products

Should not be released into the environment. Do not empty into drains. Dispose of in accordance with the European Directives on waste and hazardous waste. Where possible recycling is preferred to disposal or incineration. After use, this oil must be sent to a licensed waste oil facility. Incorrect disposal of used oil poses a risk to the environment. Mixture with other waste types such as solvents, brake- and cooling liquids is forbidden.

Contaminated packageing Empty containers should be taken to an approved waste handling site for recycling or

disposal.

EWC Waste Disposal No According to the European Waste Catalogue, Waste Codes are not product specific, but

application specific. Waste codes should be assigned by the user based on the application for which the product was used. The following Waste Codes are only suggestions:. 13 02

05.

Other information Refer to section 8 for safety and protective measures for disposal personnel.

# Section 14: TRANSPORT INFORMATION

Note

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ADR/RID not regulated

IMDG/IMO not regulated

ICAO/IATA not regulated

ADN not regulated

# Section 15: REGULATORY INFORMATION

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

European Union

International Inventories The substance is listed or exempted from listing in the following inventories:

Philippines (PICCS) China (IECSC) New Zealand (NZIoC) Korea (KECL)

Europe (EINECS/ELINCS/NLP)

Japan (ENCS) Canada (DSL/NDSL) U.S.A. (TSCA)



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Australia (AICS)

Further information

No information available

15.2. Chemical Safety Assessment

Chemical Safety Assessment A Chemical Safety Assessment has been carried out for this substance.\*\*\*

15.3. National regulatory information

#### **The United Kingdom**

• Avoid exceeding occupational exposure limits (see section 8).

#### Ireland

• Avoid exceeding occupational exposure limits (see section 8).

## Section 16: OTHER INFORMATION

#### Full text of H-Statements referred to under sections 2 and 3

H304 - May be fatal if swallowed and enters airways

#### Abbreviations, acronyms

ACGIH = American Conference of Governmental Industrial Hygienists

bw = body weight

bw/day = body weight/day

EC x = Effect Concentration associated with x% response

GLP = Good Laboratory Practice

IARC = International Agency for Research of Cancer

LC50 = 50% Lethal concentration - Concentration of a chemical in air or a chemical in water which causes the death of 50% (one half) of a group of test animals

LD50 = 50% Lethal Dose - Chemical amount, given at once, which causes the death of 50% (one half) of a group of test animals LL = Lethal Loading

NIOSH = National Institute of Occupational Safety and Health

NOAEL = No Observed Adverse Effect Level

NOEC = No Observed Effect Concentration

NOEL = No Observed Effect Level

OECD = Organization for Economic Co-operation and Development

OSHA = Occupational Safety and Health Administration

UVCB = Substance of unknown or Variable composition, Complex reaction products or Biological material

ATE = Acute Toxicity Estimate

QSAR = Quantitative Structure-Activity Relationship

EL50 = median Effective Loading

NOELR = No Observed Effect Loading Rate

PAH = Polycyclic aromatic hydrocarbons

LOEC = Lowest Observed Effect Concentration

PVA = Polyvinyl alcohol



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PVC = Polyvinyl chloride

ECOSAR = Ecological Structure Activity Relationships

CNS = Central nervous system

EPA = Environmental Protection Agency

ErL50 = effective loading on growth rate in algae test, to cause a 50% response

EbL50 = effective loading on growth with the control in algae test, to cause a 50% response

DNEL = Derived No Effect Level

PNEC = Predicted No Effect Concentration

dw = dry weight fw = fresh water mw = marine water or = occasional release

## Legend Section 8

OEL = Occupational Exposure Limit TWA: Time Weight Average STEL: Short Time Exposure Limit PEL: Permissible exposure limit REL: Recommended exposure limit TLV: Threshold Limit Values

+ Sensitiser \* Skin designation

\*\* Hazard Designation C: Carcinogen

M: Mutagen R: Toxic to reproduction

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**Revision Note**\*\*\* Indicates updated section.

**Further information** This product is classified as H304 «May be fatal if swallowed and enters airways». The risk

relates to potential for aspiration. The risk arising from aspiration hazard is solely related to the physico-chemical properties of the substance. The risk can therefore be controlled by implementing risk management measures tailored to this specific hazard. An exposure

scenario is not required.

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

This safety data sheet serves to complete but not to replace the technical product sheets. The information contained herein is given in good faith and is accurate to the best of knowledge at the date indicated above. It is understood by the user that any use of the product for purposes other than those for which it was designed entails potential risk. The information given herein in no way dispenses the user from knowing and applying all provisions regulating his activity. The user bears sole liability for the precautions required when using the product. The regulatory texts indicated herein are intended to aid the user to fulfil his obligations. This list is not to be considered complete and exhaustive. It is the user's responsibility to ensure that he is subject to no other obligations than those mentioned.

**End of Safety Data Sheet**