

Completed 01-09-2022
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SDS version 1.4

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product Identifier

Trade Name: SUVO Non Nafta Yellow
Product- no.: -
UFI: MYNA-3VGG-E20V-FXGA

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

Undercarriage treatment agent.

Uses advised against:

This product must not be used for purposes other than those recommended without first seeking the advice of the supplier.

1.3. Details of the supplier of the safety data sheet**Company and address:**

LHG Group A/S
Nybodalen 1-3
7500 Holstebro
Tlf.: +45 9741-2077

Contact person and E-mail:

Michael Frost, michael@lhg-group.dk

The Safety data sheet is completed and validated by:

Mediator ApS, Centervej 2, DK-6000 Kolding. Consultant: DH

1.4. Emergency telephone number

Use your national or local emergency number - For "First aid measures" see section 4.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLP (1272/2008):
Skin Sens. 1B;H317

See full text of H-phrases in section 16.

2.2. Label elements**Signal word:**

Warning

May cause an allergic skin reaction. (H317)

Wear protective gloves. (P280)

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

Dispose of contents/container in accordance with local regulation. (P501)

2.3. Other hazards

-

Additional labelling:

-

Additional warnings

The product does not meet the criteria for PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.1./3.2. Substances/Mixtures

Substance	EU-Index no. / REACH-Reg. no.	CAS-no.	EINECS-no.	CLP-classification	Wt/Wt %	Note
Distillates (petroleum), solvent-refined heavy paraffinic (<3% DMSO)	649-454-00-7 / -	64741-88-4	265-090-8	-	40 - 50	-
Distillates (petroleum), solvent-dewaxed heavy paraffinic (<3% DMSO)	649-474-00-6 / 01-2119471299-27-xxxx	64742-65-0	265-169-7	Asp. Tox. 1;H304	15 - 25	-
Calcium sulfonate	- / -	61789-86-4	263-093-9	Skin Sens. 1B;H317	10 - 20	1

1) Specific concentration limits.

See full text of H-phrases in section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:

Seek fresh air.
 Keep victim under observation.
 Seek medical advice in case of persistent discomfort.

Ingestion:

Wash out mouth thoroughly and drink 1-2 glasses of water in small sips.
 Seek medical advice in case of discomfort.

Skin contact:

Immediately remove contaminated clothing.
 Wash the skin thoroughly with water and continue washing for a long time.
 If skin irritation or rash occurs: Get medical advice/attention.

Eye contact:

Flush with water (preferably using eye wash equipment) until irritation subsides. Seek medical advice if symptoms persist.

Additional information:

When obtaining medical advice, show the safety data sheet or label.

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

Sensitivity effects: This product contains substances which can give an allergic reaction on contact with skin. The allergic reaction will typically set in 12-72 hours after exposure as the substance penetrates the skin and reacts with proteins in the outer skin. The body's immune system sees the chemically changed protein as a foreign body and will try to destroy it.

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

Show this safety data sheet to the doctor in attendance.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Extinguish with powder, foam, carbon dioxide or water mist.
 Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

The product is not directly flammable. Avoid inhalation of vapour and fumes – seek fresh air.
 Hazardous fumes are formed in fire conditions.
 Fire will produce dense black smoke.
 Exposure to decomposition products may cause a health hazard.

5.3. Advice for firefighters

If there is a risk of exposure to vapour and flue gases, a self-contained breathing apparatus must be worn.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

See section 8 for type of protective equipment.
Avoid static electricity.
Avoid breathing and contact with skin and eyes.

6.2. Environmental precautions

Do not discharge large quantities of concentrated spills and residue into drains.

6.3. Methods and material for containment and cleaning up

Contain and absorb spill with sand or other absorbent material and transfer to suitable waste containers.
Wipe up minor spills with a cloth.

6.4. Reference to other sections

See section 8 for type of protective equipment.
See section 13 for instructions on disposal.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

See section 8 for information about precautions for use and personal protective equipment.
Use the product under well-ventilated conditions.
Running water and eye wash equipment must be available.

7.2. Conditions for safe storage, including any incompatibilities

The product must be stored safely and away from food, animal feeding stuffs, medicines, etc.
Keep in tightly closed original packaging.
Store in a dry, cool, well-ventilated area.
Storage temperature: 6 - 40 °C
Shelf life: 24 months.

7.3. Specific end use(s)

See application section 1.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

Indicative occupational exposure limit value (IOELV), not country-specific legislation:
-

DNEL/PNEC-values:**DNEL Distillates (petroleum), solvent-refined heavy paraffinic (<3% DMSO)**

	Workers	Consumers
Inhalation - Chronic Systemic	2,73 mg/m ³	-
Inhalation - Chronic Local	5,58 mg/m ³	-
Dermal - Chronic Systemic	0,97 mg/kg bw/day	-
Oral - Chronic Systemic	-	0,74 mg/kg bw/day

DNEL Distillates (petroleum), solvent-dewaxed heavy paraffinic (<3% DMSO)

	Workers	Consumers
Inhalation - Chronic Systemic	2,73 mg/m ³	-
Inhalation - Chronic Local	5,58 mg/m ³	-
Dermal - Chronic Systemic	0,97 mg/kg bw/day	-
Oral - Chronic Systemic	-	0,74 mg/kg bw/day

DNEL Calcium sulfonate

	Workers	Consumers
Inhalation - Chronic Systemic	11,75mg/m ³	2,9 mg/m ³
Dermal - Chronic Systemic	3,33 mg/kg bw/day	1,667 mg/kg bw/day
Dermal - Chronic Local	1,03 mg/cm ²	0,513 mg/cm ²
Oral - Chronic Systemic	-	0,833 mg/kg bw/day

PNEC Calcium sulfonate

Fresh water	1 mg/L
Intermittent releases (Fresh water)	10 mg/L
Marine water	1 mg/L

8.2. Exposure controls

There are no exposure scenarios for this product.

Appropriate engineering controls:

Wear the personal protective equipment specified below.
Wash hands before breaks, before using restroom facilities, and at the end of work.

Personal protective equipment:**Respiratory protection:**

Generally not required.
When spraying the product or aerosol formation, wear respiratory protection with filter A2 / P2.
Respiratory protective equipment shall comply with one of the following standards: EN 136/140/145.

Hand protection:

Wear protective gloves made of nitrile rubber (> 0,11 mm). Protective gloves conforming to EN 374.
Penetration time: > 8 h

Eye/face protection:

Generally not required.
Wear safety goggles if there is a risk of eye splash.
Eye protection conforming to EN 166.

Skin protection:

Special work clothing should be used.

Environmental exposure controls:

Make sure that when using the product damming material is available in immediate vicinity. If possible use spillage tray during work.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state:	Viscous
Colour:	Yellow
Odour:	Weak
Melting point/ Freezing Point (°C):	-
Boiling point or initial boiling point and boiling range (°C):	> 200
Flammability:	-
Lower and upper explosion limit (vol-%):	-
Flash point (°C):	> 130
Auto-ignition temperature (°C):	> 200
Decomposition temperature (°C):	-
pH:	-
Kinematic viscosity (mm ² /s):	75 - 110 (40 °C)
Solubility:	Not soluble in water
Partition coefficient n-octanol/water (log value)	-
Vapour pressure:	<0,1 hPa (20 °C)
Density and/or relative density:	0,93 - 0,95 (20 °C)
Relative vapour density:	-
Particle characteristics:	-

9.2. Other information

VOC (Volatile organic compounds):	6,5 g/l (<1% w/w)
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SECTION 10: Stability and reactivity**10.1. Reactivity**

No data.

10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Avoid contact with strong oxidising agents.
 Avoid contact with strong reducing agents.
 Avoid contact with strong acids.

10.6. Hazardous decomposition products

No special precautions regarding contact with other materials at the recommended storage conditions.

SECTION 11: Toxicological information**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity:**

Based on the existing data, the classification is not met.

Substance	exposure	Species	Test	Result
Calcium sulfonate	Oral	Rat	LD50	>5000 mg/kg bw
Calcium sulfonate	Inhalation	Rat	LC50/ 4 Hours	>1,9 mg/L air
Calcium sulfonate	Dermal	Rabbit	LD50	> 5000 mg/kg bw

Skin corrosion/irritation:

May irritate the skin – may cause reddening.

Serious eye damage/irritation:

May cause eye irritation.

Respiratory or skin sensitisation:

May cause sensitization by skin contact. Symptoms include reddening, swelling, blistering and ulceration – often slowly developing.

Germ cell mutagenicity:

Based on the existing data, the classification is not met.

Carcinogenicity:

Based on the existing data, the classification is not met.

Reproductive toxicity:

Based on the existing data, the classification is not met.

STOT-single exposure:

Based on the existing data, the classification is not met.

STOT-repeated exposure:

Based on the existing data, the classification is not met.

Aspiration hazard:

Based on the existing data, the classification is not met.

11.2. Information on other hazards

Test data are not available.

SECTION 12: Ecological information**12.1. Toxicity**

Substance	Test duration	Species	Test	Result
Calcium sulfonate	48 Hours	Daphnia	LC50	>1000 mg/L
Calcium sulfonate	72 Hours	Algae	EC50	>1000 mg/L

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
Calcium sulfonate	No	OECD Guideline 301 D	28 Days 8%

12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow
Calcium sulfonate	Yes	> 4,46

12.4. Mobility in soil

Test data are not available.

12.5. Results of PBT and vPvB assessment

The product does not meet the criteria for PBT or vPvB.

12.6. Endocrine disrupting properties

Test data are not available.

12.7. Other adverse effects

None.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

The product is not classified as hazardous waste according to Waste Management. Disposal of spillage and waste via the municipal waste collection service with the specifications below is recommended.

EWC-Code	Description
13 02 05	Mineral-based non-chlorinated engine, gear and lubricating oils

Specific labelling:

-

Contaminated packaging:

Uncleansed packaging is to be disposed of via the local waste-removal scheme.

SECTION 14: Transport information

The product is not covered by the rules for transport of dangerous goods by road and sea according to ADR, IMDG and IATA.

14.1 -14.4.**ADR**

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IMDG/IATA

-

14.5. Environmental hazards

-

14.6. Special precautions for user

-

14.7. Maritime transport in bulk according to IMO instruments

Not relevant.

SECTION 15: Regulatory information

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

Commission Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, EU 2017/164 and EU 2019/1831 (the first, second, third, fourth and fifth IOELV Directives).

Additional labelling:**VOC:**

Maximum content of VOC: <28 g/l, VOC limit values (B/e (Sb)) 840 g/l

Restrictions for application:

-

Demands for specific education:

-

15.2. Chemical safety assessment

None.

SECTION 16: Other information

According to EU regulation 1907/2006 (REACH), the SDS must be in an official language of the country where the product is marketed.

Other information:**Sources:**

EC regulation 1907/2006 (REACH), with amendments.

EC Regulation 1272/2008 (CLP), with amendments.

Directive 2008/98/EC

ECHA - The European Chemicals Agency

Full text of H-phrases as mentioned in section 2+3:

H304 May be fatal if swallowed and enters airways.

H317 May cause an allergic skin reaction.

Classification according to Regulation (EC) Nr. 1272/2008:

Skin Sens. 1B;H317 Calculation method

Abbreviations and acronyms used in the safety data sheet:

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals. Regulation (EC) No 1907/2006.

CLP: Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008.

CAS-Number.: Chemical Abstracts Service number.

EC-Number.: EINECS and ELINCS Number (see also EINECS and ELINCS).

DNEL: Derived No Effect Level.

PNEC(s): Predicted No Effect Concentration(s).

STOT: Specific Target Organ Toxicity.

LD50: Lethal Dose to 50% of a test population (Median Lethal Dose).

LC50: Lethal Concentration to 50 % of a test population.

EC50: The effective concentration of substance that causes 50% of the maximum response.

PBT: Persistent, Bioaccumulative and Toxic.

vPvB: Very Persistent and Very Bioaccumulative.

NOEC: The highest tested concentration at which, in a study, no statistically significant effect is observed in the exposed population compared with an appropriate control group.

NOAEL: The highest tested dose or exposure level at which there are no statistically significant increases in the frequency or severity of adverse effects between the exposed population and an appropriate control group; some effects may be produced at this level, but they are not considered adverse or precursors of adverse effects.

Other:

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

Minor changes have been made in following sections:

New supplier information.

This material safety data sheet replaces version:

1.3