

Material Safety Data Sheet

Completed 01-09-2022
Revision: (date) 23-10-2023
SDS version 1.1

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

1.1. Product Identifier

Trade Name: Suvo Non Nafta Yellow - Spray
Product- no.: -
UFI: DQJA-VV8D-T202-9YAV

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

Recommended uses:

Rust protectant.

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 A/S, Centervej 2, DK-6000 Kolding. Consultant: JFH

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):
Aerosol 1;H222, H229

See full text of H-phrases in section 16.

2.2. Label elements



Signal word:

Danger

Extremely flammable aerosol. (H222)
Pressurised container: May burst if heated. (H229)

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (P210)
Do not spray on an open flame or other ignition source. (P211)
Do not pierce or burn, even after use. (P251)
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. (P410 + P412)

2.3. Other hazards

The product contains organic solvents. Repeated exposure to organic solvents may cause damage to the central nervous system and internal organs fx. liver and kidney.

Additional labelling:

-

Additional warnings

-

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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 (DMSO- extract <3 %)	649-454-00-7 / -	64741-88-4	265-090-8	-	15-30	1
Butane	601-004-00-0 / 01- 2119474691-32- xxxx	106-97-8	203-448-7	Flam. Gas 1;H220, Press. Gas;H280	15-30	-
Propane	601-003-00-5 / 01- 2119486944-21- xxxx	74-98-6	200-827-9	Flam. Gas 1;H220, Press. Gas;H280	> 5	-

1) The substance is an organic solvent.

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 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:

Remove contaminated clothing.

Wash skin with soap and water.

Seek medical advice in case of discomfort.

Eye contact:

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

Burns:

Flush with water until pain ceases. Remove clothing that is not stuck to the skin – seek medical advice/transport to hospital. If possible, continue flushing until medical attention is obtained.

Additional information:

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

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

Neurotoxic effect: This product contains organic solvents, which can have an effect on the nervous system. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer. The skin will then be more prone to absorb dangerous substances, e.g. allergens.

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

Extremely flammable aerosol.

CAUTION! Aerosol containers may explode.

Avoid inhalation of vapour and fumes – seek fresh air.

Fire will produce dense black smoke.

Exposure to decomposition products may cause a health hazard.

Use water to cool containers exposed to fire.

Do not discharge water from fire protection system into sewerage system, streams, rivers, etc.

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5.3. Advice for firefighters

Fire fighters should wear appropriate protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

See section 8 for type of protective equipment.

Take precautionary measures against static discharges. Use spark-free tools and explosion proof equipment.

Avoid breathing.

6.2. Environmental precautions

Not relevant.

6.3. Methods and material for containment and cleaning up

Wipe up minor spills with a cloth.

Provide adequate ventilation.

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 should be available.

Smoking and naked flames prohibited.

7.2. Conditions for safe storage, including any incompatibilities

The product should be stored safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc.

Pressurized container: Protect from sunlight and do not expose to temperatures exceeding 50 °C.

Store in a dry, cool, well-ventilated area.

Store in accordance with local fire authority regulations.

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)

-

DNEL/PNEC-values:

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

	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

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.

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Personal protective equipment:



Respiratory protection:

Generally not required.

In case of insufficient ventilation, wear respiratory protective equipment with filter A2.

Hand protection:

Recommended:

Wear protective gloves made of nitrile rubber (> 0,11 mm).

Penetration time: > 480 min.

Eye/face protection:

Wear safety goggles if there is a risk of eye splash.

Skin protection:

Special work clothing should be used.

Environmental exposure controls:

Ensure compliance with local regulations for emissions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Aerosol
Colour:	Yellowish
Odour:	Sharp/pungent
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):	-
Decomposition temperature (°C):	-
pH:	-
Kinematic viscosity (mm ² /s):	-
Solubility:	Not soluble in water
Partition coefficient n-octanol/water (log value)	-
Vapour pressure:	-
Density and/or relative density:	0.930 (±0.030)
Relative vapour density:	-
Particle characteristics:	-

9.2. Other information

None.

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.

Combustible at temperatures above the flash point.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Avoid heating and contact with ignition sources.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

Product decomposes in fire conditions or when heated to high temperatures, and toxic gases such as CO_x may be released.

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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
Butane	Inhalation	Rat	LC50/ 0,25 Hours	1443 mg/L air

Skin corrosion/irritation:

May irritate the skin – may cause reddening.

Serious eye damage/irritation:

May cause eye irritation.

Respiratory or skin sensitisation:

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

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:

The product releases organic solvent vapours which may cause lethargy and dizziness. At high concentrations, the vapours may cause headache and intoxication.

STOT-repeated exposure:

Prolonged or repeated inhalation of vapours may cause damage to the central nervous system.

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
No data.	-	-	-	-

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
Butane	Yes	Gas exchange-biodegradation	385.5 Hours 100%

12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow
Butane	No	2.8

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.

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

The product is covered by the regulations on dangerous waste.

Do not dispose of aerosol sprays in refuse collection, even when empty. The sprays must be sent to the municipal chemical waste collection facility with the specifications set out below.

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

Specific labelling:

-

Contaminated packaging:

Empty packaging and residues must be disposed of through the municipal waste collection service for hazardous waste.

SECTION 14: Transport information

The product is covered by the rules for transport of dangerous goods.

14.1 -14.4.

ADR

14.1. UN number or ID number	14.2. UN proper shipping name	14.3. Transport hazard class(es)	14.4. Packing group
1950	AEROSOLS	2.1	-

IMDG/IATA

14.1. UN number or ID number	14.2. UN proper shipping name	14.3. Transport hazard class(es)	14.4. Packing group
1950	AEROSOLS	2.1	-

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:

Maximum content of VOC: 270 g/l, VOC limit values (B/e (Sb)) 840 g/l

Restrictions for application:

Special care should be applied for employees under the age of 18. Young people under the age of 18 may not carry out any work causing harmful exposure to this product. Young people above 15 years are exempted this rule, if the product is a part of an education/training. Special care should be applied for pregnant and lactating women.

Demands for specific education:

-

15.2. Chemical safety assessment

None.

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SECTION 16: Other information

According to EU regulation 1907/2006 (REACH)

Other information:

Sources:

EC regulation 1907/2006 (REACH), with amendments.
EC Regulation 1272/2008 (CLP), with amendments.
EU regulation no. 276/2010
Directive 2008/98/EC
ECHA - The European Chemicals Agency

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

H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H226	Flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H280	Contains gas under pressure; may explode if heated.

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

Aerosol 1;H222, H229 On basis of test data

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:

General update.

This material safety data sheet replaces version:

1.0