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according to 1907/2006/EC, Article 31

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

· **1.1 Product identifier**

· **Trade name:** **NL-76000 RELEASING OIL**

· **Article number:** NL-76000

· **1.2 Relevant identified uses of the substance or mixture and uses advised against** No further relevant information available.

· **Application of the substance / the mixture**
Cleaning agent/ Cleaner
Lubricant
Penetrating oil
Tar remover
Release agent
Bright
Penetrating fluid
Restricted to professional users.

· **1.3 Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**
VAR SA
19 Avenue Gustave Eiffel
Lot D6, Espace Eiffel
28630 Gellainville
France
Tél : +33 (0)2.37.33.37.10
Mail : contact@vartools.com
http://www.vatools.com

· **1.4 Emergency telephone number:** Poison Control Centre : 0845 4647

SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008**

Aerosol 2 H223-H229 Flammable aerosol. Pressurised container: May burst if heated.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

· **2.2 Label elements**

· **Labelling according to Regulation (EC) No 1272/2008** The product is classified and labelled according to the CLP regulation.

· **Hazard pictograms**

GHS02

· **Signal word** Warning

· **Hazard-determining components of labelling:** Hydrocarbons, C13-C16, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics

· **Hazard statements** H223-H229 Flammable aerosol. Pressurised container: May burst if heated.

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· ***Precautionary statements***

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501	Dispose of contents/container in accordance with local/ regional/national/international regulations.

· ***2.3 Other hazards***
· ***Results of PBT and vPvB assessment***
· ***PBT:*** Not applicable.
· ***vPvB:*** Not applicable.

SECTION 3: Composition/information on ingredients

· ***3.2 Mixtures***
· ***Description:*** Mixture of substances listed below with nonhazardous additions.

· ***Dangerous components:***

EC number: 934-954-2 Reg.nr.: 01-2119826592-36	Hydrocarbons, C13-C16, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics Asp. Tox. 1, H304	20-25%
CAS: 124-38-9 EINECS: 204-696-9 Reg.nr.: Note 1	carbon dioxide Press. Gas (Liq.), H280	2.5-5%

· ***Additional information:*** Note 1: Listed in Annex IV / V REACH, exempted from registration
For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· ***4.1 Description of first aid measures***
· ***General information:*** Seek immediate medical advice.
Immediately remove any clothing soiled by the product.
· ***After inhalation:*** Supply fresh air; consult doctor in case of complaints.
· ***After skin contact:*** Wash with water and soap and rinse thoroughly.
· ***After eye contact:*** Rinse opened eye for several minutes under running water.
· ***After swallowing:*** Do not induce vomiting; call for medical help immediately.
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
· ***4.2 Most important symptoms and effects, both acute and delayed*** No further relevant information available.
· ***4.3 Indication of any immediate medical attention and special treatment needed*** No further relevant information available.

SECTION 5: Firefighting measures

· ***5.1 Extinguishing media***
· ***Suitable extinguishing agents:*** Use fire extinguishing methods suitable to surrounding conditions.
Foam
Fire-extinguishing powder
Carbon dioxide

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· ***For safety reasons unsuitable extinguishing agents:*** Water

· ***5.2 Special hazards arising from the substance or mixture*** Heat (or fire) will increase pressure and may lead to the receptacle bursting.
Formation of toxic gases is possible during heating or in case of fire.
Carbon monoxide and carbon dioxide
Hydrocarbons

· ***5.3 Advice for firefighters***

· ***Protective equipment:*** Wear self-contained respiratory protective device.
Wear fully protective suit.

· ***Additional information*** Cool endangered receptacles with water spray.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

· ***6.1 Personal precautions, protective equipment and emergency procedures*** Ensure adequate ventilation
Wear protective equipment. Keep unprotected persons away.
Particular danger of slipping on leaked/spilled product.
Keep away from ignition sources.

· ***6.2 Environmental precautions:*** Do not allow to enter sewers/ surface or ground water.
Inform respective authorities in case of seepage into water course or sewage system.

· ***6.3 Methods and material for containment and cleaning up:*** Send for recovery or disposal in suitable receptacles.

· ***6.4 Reference to other sections*** See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

· ***7.1 Precautions for safe handling*** Ensure good ventilation/exhaustion at the workplace.
Use only in well ventilated areas. Do not breathe vapors or spray mist.
Avoid contact with skin, eyes and clothing.

· ***Information about fire - and explosion protection:*** Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.
Keep ignition sources away - Do not smoke.
Do not spray onto a naked flame or any incandescent material.

· ***7.2 Conditions for safe storage, including any incompatibilities***

· ***Storage:***

· ***Requirements to be met by storerooms and receptacles:*** Observe official regulations on storing packagings with pressurised containers.

· ***Information about storage in one common storage facility:*** Do not store together with oxidising and acidic materials.

· ***Further information about storage conditions:*** Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.
Store in cool, dry conditions.

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· ***7.3 Specific end use(s)*** Do not use the product for a different application, for which it is intended.
Read the data sheet before use.

SECTION 8: Exposure controls/personal protection

· ***8.1 Control parameters***

· ***Ingredients with limit values that require monitoring at the workplace:***	
124-38-9 carbon dioxide	
WEL	Short-term value: 27400 mg/m³, 15000 ppm Long-term value: 9150 mg/m³, 5000 ppm

· ***Additional information:*** The lists valid during the making were used as basis.

· ***8.2 Exposure controls***

· ***Appropriate engineering controls*** No further data; see item 7.

· ***Individual protection measures, such as personal protective equipment***

· ***General protective and hygienic measures:*** The usual precautionary measures are to be adhered to when handling chemicals.
Immediately remove all soiled and contaminated clothing
Wash hands before drinking, eating or smoking.
Wearing of Personal Protective Equipment (PPE) required for all persons with allergies.

· ***Respiratory protection:*** Use suitable respiratory protective device in case of insufficient ventilation.

· ***Hand protection***

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· ***Material of gloves*** Nitrile rubber, NBR
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· ***Penetration time of glove material*** The exact breakthrough time of the glove material has to be found out by the manufacturer of the protective gloves and has to be observed.

· ***Eye/face protection***

Safety glasses

· ***Body protection:*** Use protective suit.

SECTION 9: Physical and chemical properties

· ***9.1 Information on basic physical and chemical properties***

· ***General Information***

· ***Physical state***	Aerosol
· ***Colour:***	Yellow
· ***Odour:***	Light
· ***Odour threshold:***	Not determined.

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· ***Melting point/freezing point:***	Undetermined.
· ***Boiling point or initial boiling point and boiling range***	234-263 °C (Hydrocarbons, C13-C16, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics)
· ***Flammability***	Not determined.
· ***Lower and upper explosion limit***	
· ***Lower:***	1 Vol % (Hydrocarbons, C13-C16, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics)
· ***Upper:***	6 Vol % (Hydrocarbons, C13-C16, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics)
· ***Flash point:***	Not applicable, as aerosol.
· ***Ignition temperature:***	>230 °C (Hydrocarbons, C13-C16, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics)
· ***Decomposition temperature:***	Not determined.
· ***pH***	Not determined.
· ***Viscosity:***	
· ***Kinematic viscosity at 20 °C***	0.38 cSt (NF EN ISO 3104)
· ***Dynamic:***	Not determined.
· ***Solubility***	
· ***water:***	Insoluble.
· ***Partition coefficient n-octanol/water (log value)***	Not determined.
· ***Vapour pressure:***	Not determined.
· ***Density and/or relative density***	
· ***Density at 20 °C:***	0.861 g/cm³ (NF EN ISO 12185)
· ***Relative density***	Not determined.
· ***Vapour density***	Not determined.

· ***9.2 Other information***	
· ***Appearance:***	
· ***Form:***	Aerosol
· ***Important information on protection of health and environment, and on safety.***	
· ***Auto-ignition temperature:***	Not determined.
· ***Explosive properties:***	Heating may cause an explosion.
· ***Solvent content:***	
· ***VOC (EC)***	0 %
· ***Refractive index***	1.4540
· ***Change in condition***	
· ***Evaporation rate***	Not applicable.

· ***Information with regard to physical hazard classes***	
· ***Explosives***	Void
· ***Flammable gases***	Void
· ***Aerosols***	Flammable aerosol. Pressurised container: May burst if heated.
· ***Oxidising gases***	Void
· ***Gases under pressure***	Void
· ***Flammable liquids***	Void
· ***Flammable solids***	Void
· ***Self-reactive substances and mixtures***	Void
· ***Pyrophoric liquids***	Void
· ***Pyrophoric solids***	Void
· ***Self-heating substances and mixtures***	Void
· ***Substances and mixtures, which emit flammable gases in contact with water***	Void
· ***Oxidising liquids***	Void
· ***Oxidising solids***	Void
· ***Organic peroxides***	Void

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· ***Corrosive to metals***	Void
· ***Desensitised explosives***	Void

SECTION 10: Stability and reactivity

· ***10.1 Reactivity*** No further relevant information available.
· ***10.2 Chemical stability***
· ***Thermal decomposition / conditions to be avoided:*** No decomposition if used and stored according to specifications.
· ***10.3 Possibility of hazardous reactions*** None when normally used.
· ***10.4 Conditions to avoid*** Temperature > 50°C.
· ***10.5 Incompatible materials:*** Materials to avoid: strong acids. oxidizing
· ***10.6 Hazardous decomposition products:*** No decomposition if used and stored according to specifications.

SECTION 11: Toxicological information

· ***11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008***
· ***Acute toxicity***

· ***LD/LC50 values relevant for classification:***

Hydrocarbons, C13-C16, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics

Oral	LD50.	>5,000 mg/kg (Rat) (OCDE 401)
Dermal	LD50.	>3,160 mg/kg (rabbit) (OCDE 402)
Inhalative	LC50/4h.	>5,266 mg/m³ (Rat) (OCDE 403)

· ***Aspiration hazard*** May be fatal if swallowed and enters airways.
· ***11.2 Information on other hazards***

· ***Endocrine disrupting properties***
None of the ingredients is listed.

SECTION 12: Ecological information

· ***12.1 Toxicity***

· ***Aquatic toxicity:***

Hydrocarbons, C13-C16, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics

NOELR	>1,000 mg/l (Daphnia) (21d)
	>1,000 mg/l (Oncorhynchus mykiss) (28d)
LL50	>3,193 mg/l (Acartia tonsa) (ISO 14669 - 48h)
LL50 (96h)	>1,028 mg/l (Scophthalmus maximus) (OECD 203)
ErL50 (72h)	>10,000 mg/l (Skeletonema costatum) (ISO 10253)

· ***12.2 Persistence and degradability*** No further relevant information available.
· ***12.3 Bioaccumulative potential*** No further relevant information available.
· ***12.4 Mobility in soil*** No further relevant information available.
· ***12.5 Results of PBT and vPvB assessment***
· ***PBT:*** Not applicable.
· ***vPvB:*** Not applicable.

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· ***12.6 Endocrine disrupting properties*** The product does not contain substances with endocrine disrupting properties.

· ***12.7 Other adverse effects***

· ***Additional ecological information:***

· ***General notes:*** Do not allow product to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

· ***13.1 Waste treatment methods***

· ***Recommendation*** Send to an approved waste facility.
Do not allow product to reach sewage system or any water course.

· ***Uncleaned packaging:***

· ***Recommendation:*** Send to an approved waste facility.
Disposal must be made according to official regulations.
Do not pierce or burn, even after use.

SECTION 14: Transport information

· ***14.1 UN number or ID number***

· ***ADR, IMDG, IATA*** UN1950

· ***14.2 UN proper shipping name***

· ***ADR*** UN1950 AEROSOLS

· ***IMDG, IATA*** AEROSOLS

· ***14.3 Transport hazard class(es)***

· ***ADR***

· ***Class*** 2 5F Gases.

· ***Label*** 2.1

· ***IMDG, IATA***

· ***Class*** 2 Gases.

· ***Label*** 2.1

· ***14.4 Packing group***

· ***ADR, IMDG, IATA*** Void

· ***14.5 Environmental hazards:*** Not applicable.

· ***14.6 Special precautions for user*** Warning: Gases.

· ***Hazard identification number (Kemler code):*** -

· ***EMS Number:*** F-D,S-U

· ***Stowage Code*** SW1 Protected from sources of heat.
SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C,

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·	Clear of living quarters.
· ***Segregation Code***	SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
· ***14.7 Maritime transport in bulk according to IMO instruments***	Not applicable.
· ***Transport/Additional information:***	
· ***ADR***	
· ***Limited quantities (LQ)***	1L
· ***Excepted quantities (EQ)***	Code: E0 Not permitted as Excepted Quantity
· ***Transport category***	3
· ***Tunnel restriction code***	E
· ***IMDG***	
· ***Limited quantities (LQ)***	1L
· ***Excepted quantities (EQ)***	Code: E0 Not permitted as Excepted Quantity
· ***UN "Model Regulation":***	UN 1950 AEROSOLS, 2.1

SECTION 15: Regulatory information

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

· ***Directive 2012/18/EU***	
· ***Named dangerous substances - ANNEX I***	None of the ingredients is listed.
· ***Seveso category***	P3b FLAMMABLE AEROSOLS
· ***Qualifying quantity (tonnes) for the application of lower-tier requirements***	5000 tons 5,000 t
· ***Qualifying quantity (tonnes) for the application of upper-tier requirements***	50 000 tons 50,000 t

· ***National regulations:***

· ***Other regulations, limitations and prohibitive regulations***

· ***Substances of very high concern (SVHC) according to REACH, Article 57***

None of the ingredients is listed.

· ***15.2 Chemical safety assessment:*** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
Shelf-life : 24 months from the date it was manufactured.

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· ***Relevant phrases***

H280 Contains gas under pressure; may explode if heated.
H304 May be fatal if swallowed and enters airways.

· ***Abbreviations and acronyms:***

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
Aerosol 2: Aerosols – Category 2
Press. Gas (Liq.): Gases under pressure – Liquefied gas
Asp. Tox. 1: Aspiration hazard – Category 1