according to Regulation (EC) No. 1907/2006 (REACH)



Version number: GHS 1.0 Date of compilation: 2025-01-14

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

1.1 Product identifier

Trade name TECWERK VIELZWECKSPRAY - 400 ml

Unique formula identifier (UFI) 5T10-T08D-500K-QXYV

Article number 2000 354 005

2000 354 005 2000 354 009 (DUO-SPRAY)

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

Relevant identified uses General use Lubricant

Lubricant Rust remover

1.3 Details of the supplier of the safety data sheet

NORDWEST Handel AG Robert-Schuman-Str. 17 44263 Dortmund Germany

Telephone: +49 231 2222-3001 Telefax: +49 231 2222-3099 Website: www.nordwest.com

e-mail (competent person) sdb@nordwest.com

1.4 Emergency telephone number

Poison centre	Poison centre						
Country	Name	Postal code/city	Telephone				
Austria	Vergiftungsinformationszentrale (VIZ)		+43 (0)1 406 43 43				
Germany	Gemeinsamen Giftinformationszentrum (GGIZ) der Laender Mecklenburg-Vor- pommern, Sachsen, Sachsen-Anhalt und Thueringen c/o HELIOS Klinikum Erfurt	99089 Erfurt	+49-361-730730				
Luxembourg	Poison Centre Luxemburg		(+352) 8002 5500				
Switzerland	Tox Info Suisse		+145, 24h oder +41 44 251 51 51				

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008 (CLP)

Section	Hazard class	Category	Hazard class and category	Hazard state- ment
2.3	aerosols	1	Aerosol 1	H222,H229
3.8D	specific target organ toxicity - single exposure (narcotic effects, drowsiness)	3	STOT SE 3	H336
3.10	aspiration hazard	1	Asp. Tox. 1	H304

For full text of abbreviations: see SECTION 16.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP)

<u>Signal word</u> danger

Pictograms

GHS02, GHS07

Hazard statements H222 H229

H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated. H336 May cause drowsiness or dizziness.

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<u>Precautionary statements</u> P101 P102 If medical advice is needed, have product container or label at hand. Keep out of reach of children.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. P210 P211

P271 P301+P310 P331

P410+P412

Use only outdoors or in a well-ventilated area.

IF SWALLOWED: Immediately call a POISON CENTER/doctor.

Do NOT induce vomiting.

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Dispose of contents/container in accordance with local/regional/national/international regulations. P501

Child-resistant fastening Tactile warning of danger yes

Hazardous ingredients for labelling Naphtha (petroleum), hydrotreated light

2.3 Other hazards

Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance at a concentration of \geq 0,1%.

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of \geq 0,1%.

SECTION 3: Composition/information on ingredients

Substances

Not relevant (mixture)

3.2 **Mixtures**

Description of the mixture

Identifier	Name of substance	Wt%	Classification acc. to GHS	Pictograms	Notes	Specific Conc. Limits
CAS No 106-97-8	butane	25 - < 50	Flam. Gas 1B / H221 Press. Gas C / H280		C GHS-HC U(b)	
EC No 203-448-7				* *	(0)	
Index No 601-004-00-0						
REACH Reg. No 01- 2119474691- 32-xxxx						
CAS No 74-98-6	propane	25 - < 50	Flam. Gas 1A / H220 Press. Gas L / H280		GHS-HC U(c)	
EC No 200-827-9						
Index No 601-003-00-5						
REACH Reg. No 01- 2119486944- 21						
CAS No 64742-49-0	Naphtha (petro- leum), hydro- treated light	10 - < 25	Flam. Liq. 3 / H226 STOT SE 3 / H336 Asp. Tox. 1 / H304	(b) (!)	P(b)	
EC No 927-241-2	ti eateu light		Aquatic Chronic 3 / H412			
Index No 649-327-00-6						
REACH Reg. No 01- 2119471843- 32						
CAS No 75-28-5	isobutane	1-<5	Flam. Gas 1A / H220 Press. Gas C / H280		C GHS-HC U(b)	
EC No 200-857-2					J(b)	

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Identifier	Name of substance	Wt%	Classification acc. to GHS	Pictograms	Notes	Specific Conc. Limits
Index No 601-004-00-0 REACH Reg. No 01- 2119485395- 27						

<u>Notes</u>

C: Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.

GHS- Harmonised classification (the classification of the substance corresponds to the entry in the list according to

HC: 1272/2008/EC, Annex VI)

P(b): The classification as a carcinogen or mutagen is not required. The substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7). When the substance is not classified as a carcinogen at least the precautionary statements (P102-)P260-P262- P301 + P310-P331 shall apply

U(b): The allocation to the group 'compressed gas' is based on the physical state in which the gas is packaged U(c): The allocation to the group 'liquefied gas' is based on the physical state in which the gas is packaged

Remarks

For full text of abbreviations: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

Following skin contact

Wash with plenty of soap and water.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Narcotic effects

4.3 Indication of any immediate medical attention and special treatment needed

none

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water spray, BC-powder

Unsuitable extinguishing media

Water iet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Carbon monoxide (CO), Carbon dioxide (CO2)

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

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6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Use only in well-ventilated areas.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

Flammability hazards

Do not spray on an open flame or other ignition source. Protect from sunlight.

Packaging compatibilities

Keep only in original container.

Storage class (LGK) TRGS 510

LGK 2 B (aerosol dispensers or lighters)

7.3 Specific end use(s)

See section 16 for a general overview.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occup	Occupational exposure limit values (Workplace Exposure Limits)										
Coun- try	Name of agent	CAS No	Iden- tifier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Ceiling- C [ppm]	Ceiling- C [mg/m³]	Nota- tion	Source
DE	butane	106-97-8	AGW	1,000	2,400	4,000	9,600				TRGS 900
DE	propane	74-98-6	AGW	1,000	1,800	4,000	7,200				TRGS 900
DE	isobutane	75-28-5	AGW	1,000	2,400	4,000	9,600				TRGS 900

Notation

Ceiling-C ceiling value is a limit value above which exposure should not occur

STEL short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-

minute period (unless otherwise specified)

TWA time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8

hours time-weighted average (unless otherwise specified)

Relevant DNELs of co	Relevant DNELs of components							
Name of substance	CAS No	Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time		
Naphtha (petro- leum), hydrotreated light	64742-49-0	DNEL	300 mg/kg	human, dermal	worker (industry)	chronic - systemic effects		
Naphtha (petro- leum), hydrotreated light	64742-49-0	DNEL	1,500 mg/m³	human, inhalat- ory	worker (industry)	chronic - systemic effects		

8.2 Exposure controls

Appropriate engineering controls

General ventilation.

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Individual protection measures (personal protective equipment)







Personal protective equipment shall be used when the risks cannot be avoided or sufficiently limited by technical means of collective protection or by measures, methods or procedures of work organization.

Eye/face protection

Use protective eyewear to guard against splash of liquids.

Skin protection

Hand protection

Wear protective gloves. (Splash protection)

Type of material

NR: natural rubber, latex, FKM: fluoro-elastomer

Breakthrough times of the glove material

>480 minutes (permeation: level 6)

Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Full face mask/half mask/quarter mask (EN 136/140). Type: AX-P2 (gas filters and combined filters against low-boiling point organic compounds and particles, colour code: Brown/White)

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state aerosol (spray aerosol)

Colour light yellow Odour characteristic Melting point/freezing point not determined Boiling point or initial boiling point and boiling range

-161.5 °C at 1,013 hPa

Flammability flammable aerosol in accordance with GHS criteria

Lower and upper explosion limit 0.6 vol% - 15 vol% -88.6 °C at 1.013 hPa Flash point

Auto-ignition temperature 287 °C (auto-ignition temperature (liquids and gases))

Decomposition temperature not relevant pH (value) not determined Kinematic viscosity not relevant Solubility(ies) not determined

Partition coefficient

Partition coefficient n-octanol/water this information is not available

(log value)

Vapour pressure 4,200 hPa at 20 °C

Density and/or relative density

Density 0.6415 ^g/_{ml} (calculated value)

Relative vapour density information on this property is not available

9.2 Other information

Information with regard to physical there is no additional information

hazard classes

Other safety characteristics

Temperature class (EU, acc. to ATEX) T3 (maximum permissible surface temperature on the equipment: 200°C)

SECTION 10: Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". The mixture contains reactive substance(s). Risk of ignition.

10.2 **Chemical stability**

See below "Conditions to avoid".

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Possibility of hazardous reactions 10.3

No known hazardous reactions.

10.4 Conditions to avoid

Do not spray on an open flame or other ignition source. Keep away from heat.

Hints to prevent fire or explosion

Protect from sunlight.

Incompatible materials 10.5

Oxidisers

10.6 **Hazardous decomposition products**

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

Information on hazard classes as defined in Regulation (EC) No 1272/2008

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification according to GHS (1272/2008/EC, CLP)

Acute toxicity

Shall not be classified as acutely toxic.

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

May cause drowsiness or dizziness.

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

May be fatal if swallowed and enters airways.

11.2 Information on other hazards

There is no additional information

SECTION 12: Ecological information

12.1 **Toxicity**

Acc. to 1272/2008/EC: Shall not be classified as hazardous to the aquatic environment. Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (Ordinance on facilities for handling substances hazardous to water) (AwSV): WGK 2, obviously hazardous to water (Germany)

12.2 Persistence and degradability

Data are not available.

12.3 **Bioaccumulative potential**

Data are not available.

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB. Does not contain a PBT-/vPvB-substance at a concentration of ≥ 0,1%.

12.6 **Endocrine disrupting properties**

Does not contain an endocrine disruptor (ED) at a concentration of \geq 0,1%.

12.7 Other adverse effects

Data are not available

SECTION 13: Disposal considerations

Waste treatment methods

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packagings

It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

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Relevant provisions relating to waste

List of wastes, (Recommendations)

07 06 04* Other organic solvents, washing liquids and mother liquors 07 07 04* Other organic solvents, washing liquids and mother liquors

Product residues

16 05 04* Gases in pressure containers (including halons) containing hazardous substances 07 06 04* Other organic solvents, washing liquids and mother liquors 07 07 04* Other organic solvents, washing liquids and mother liquors

Packagings

15 01 04 Metallic packaging

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14: Transport information

UN number or ID number

ADR/RID/ADN UN 1950 UN 1950 **IMDG-Code** ICAO-TI UN 1950

14.2 **UN proper shipping name**

> ADR/RID/ADN **AEROSOLS IMDG-Code AEROSOLS**

ICAO-TI Aerosols, flammable

14.3 Transport hazard class(es)

> ADR/RID/ADN 2(2.1)IMDG-Code 2 1 ICAO-TI 2.1

14.4 **Packing group** not assigned

14.5 **Environmental hazards** non-environmentally hazardous acc. to the dangerous goods regulations

14.6 Special precautions for user

Provisions for dangerous goods (ADR) should be complied within the premises.

14.7 Maritime transport in bulk according to IMO instruments

The cargo is not intended to be carried in bulk.

<u>Information for each of the UN Model Regulations</u>

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN) Additional information

Classification code 5F 2.1 Danger label(s)



Special provisions (SP) 190, 327, 344, 625

Excepted quantities (EQ) F0 Limited quantities (LQ) 1 L Transport category (TC) 2 Tunnel restriction code (TRC) D

International Maritime Dangerous Goods Code (IMDG) Additional information

Marine pollutant Danger label(s) 2.1



Special provisions (SP) 63, 190, 277, 327, 344, 381, 959

Excepted quantities (EQ) F0 Limited quantities (LQ) 1 I FmS F-D, S-U Stowage category

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International Civil Aviation Organization (ICAO-IATA/DGR) Additional information

Danger label(s) 2.



Special provisions (SP) A145, A167 Excepted quantities (EQ) E0

Limited quantities (LQ) 30 kg

SECTION 15: Regulatory information

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

Relevant provisions of the European Union (EU)

List of substances subject to authorisation (REACH, Annex XIV) / SVHC - candidate list

none of the ingredients are listed

Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)

none of the ingredients are listed

Regulation concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

none of the ingredients are listed

Regulation on the marketing and use of explosives precursors

none of the ingredients are listed

Regulation 648/2004/EC on detergents

Labelling of contents			
	Constituents	Weight % content (or range)	
	aliphatic hydrocarbons	30 % and more	

Regulation on persistent organic pollutants (POP)

none of the ingredients are listed

National regulations (Germany)

Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (Ordinance on facilities for handling substances hazardous to water) (AwSV)

Wassergefährdungsklasse, WGK (water 2 obviously hazardous to water

hazard class)

Technical instructions on air quality control (Germany)

Number	Group of substances	Class	Conc.	Mass flow	Mass concentra- tion	Notation
5.2.5	organic substances		≥ 25 wt%	0.5 ^{kg} / _h	50 ^{mg} / _{m³}	3)

Notation

3) a total mass flow of 0.50 kg/h or a total mass concentration of 50 mg/m³, each of which to be indicated as total carbon, shall not be exceeded (except organic particulate matter)

National inventories

Country	Inventory	Status
EU	REACH Reg.	not all ingredients are listed

<u>Legend</u>

REACH Reg. REACH registered substances

15.2 Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

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SECTION 16: Other information

Abbreviations and acronyms

Abbr.

ADR.

ADR/RID/ADN.

Descriptions of used abbreviations.
Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways).
Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road).
Agreements concerning the International Carriage of Dangerous Goods by Road/Rail/Inland Waterways (ADR/RID/ADN).
Workplace exposure limit.
Hazardous to the aquatic environment - chronic hazard.
Aspiration hazard.
Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances).
Ceiling value. AGW. Aquatic Chronic. Asp. Tox. CAS. CAS. Ceiling-C. CLP. DGR. DNEL. EC No. Criefing Abstracts Service (Service that maintains the most comprehensive list of chemical substances). Ceiling value.
Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.
Dangerous Goods Regulations (see IATA/DGR).
Derived No-Effect Level.
The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union).
Endocrine disruptor.

EINECS. ELINCS.

ELINCS. EMS. Flam. Gas. Flam. Liq. GHS. IATA. IATA/DGR. ICAO-TI. IMDG. IMDG-Code. Index No. LGK. NLP. PBT.

PBT

Ppm. Press. Gas. REACH. RID.

able within the EU (European Union).
Endocrine disruptor.
European Inventory of Existing Commercial Chemical Substances.
European List of Notified Chemical Substances.
Elamable gas.
Flammable gas.
Flammable liquid.

"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations.
International Air Transport Association.
Dangerous Goods Equilations (DGR) for the air transport (IATA).
International Civil Aviation Organization.
Technical instructions for the safe transport of dangerous goods by air.
International Maritime Dangerous Goods Code.
International Maritime Dangerous Goods Code.
The Index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008.
Lagerklasse (storage class according to TRGS 510, Germany).
No-Longer Polymer.
Persistent, Bioaccumulative and Toxic.
Parts per million.
Gas under pressure.
Registration, Evaluation, Authorisation and Restriction of Chemicals.
Règiement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail).
Short-term exposure limit.
Specific target organ toxicity - single exposure.

Snort-term exposure limit.
Specific target organ toxicity - single exposure.
Substance of Very High Concern.
Technische Regeln für Gefahrstoffe (technical rules for hazardous substances, Germany).
Arbeitsplatzgrenzwerte (TRGS 900).
Time-weighted average.
Very Persistent and very Bioaccumulative.

STEL. STOT SE. SVHC. TRGS. TRGS 900. TWA. VPVB.

Key literature references and sources for data

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. Regulation (EC) No.

1907/2006 (REACH), amended by 2020/878/EU.

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture

List of relevant phrases (code and full text as stated in section 2 and 3)

H220. H221. H222. H226. H229. H280.

Extremely flammable gas.
Flammable gas.
Extremely flammable aerosol.
Flammable liquid and vapour.
Pressurised container: May burst if heated.
Contains gas under pressure; may explode if heated.
May be fatal if swallowed and enters airways.
May cause drowsiness or dizziness.
Harmful to aquatic life with long lasting effects.

Disclaimer

This SDS has been compiled and is solely intended for this product. This information is based on the present state of our knowledge and does not constitute an assurance of product properties nor establishes contract legal rights. All data about health and safety are only for information. They should therefore not be construed as specifications.

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