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

1.1. Product identifier

Trade name	scan´dry plus
Product code	-
SDS Number	163
Product use	Professional use

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

Relevant identified uses

Use of the substance/mixture	Matting agent for the optical impression in dental CAD / CAM process For medical use
Uses advised against	No additional information available.

1.3. Details of the supplier of the safety data sheet

Supplier

Dentaco GmbH & Co.KG
Max-Keith-Str. 46
45136 Essen
Deutschland
Tel.: + 49 (0) 201/ 8098290
Fax: + 49 (0) 201/ 80982999
Internet: www.dentaco.de ; info@dentaco.de
E-Mail: HSE@rle.de

1.4. Emergency telephone number

+ 49 (0) 201/ 8098290 (Mo. - Fr. 09:00 - 17:00)

2. SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008

Physical hazards	Aerosol, Category 3	H229	Pressurised container: May burst if heated.
Health hazards	Specific target organ toxicity — Single exposure, Category 3, Narcosis	H336	May cause drowsiness or dizziness.
Environmental hazards	Hazardous to the aquatic environment — Chronic Hazard, Category 3	H412	Harmful to aquatic life with long lasting effects.

2.2. Label elements

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

Hazard pictograms

Signal word	Warning
Contains	pentane

Hazard statements

H229	Pressurised container: May burst if heated.
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.
Precautionary statements	
Prevention	
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P251	Do not pierce or burn, even after use.
P273	Avoid release to the environment.
Response	
P312	Call a POISON CENTRE or doctor if you feel unwell.
Storage	
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C.
Supplemental hazard information	
Extra phrases	For professional users only.

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII.

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII.

3. SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical name	CAS- No EC- No Index No RRN	%	Classification according to Regulation (EC) No. 1272/2008	Notes
(1E)-1,3,3,3-tetrafluoroprop-1-ene	- 471-480-0 01-0000019758-54-XXXX	70 – < 100	Press. Gas (Liq.), H280	
pentane	109-66-0 203-692-4 601-006-00-1 01-2119459286-30-XXXX	5 – < 10	Flam. Liq. 1, H224 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411	# (Note C)

Note 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.

#: substance with a Community workplace exposure limit

Full text of H-statements: see section 16

4. SECTION 4: First aid measures

4.1. Description of first aid measures

General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Call a poison center or a doctor if you feel unwell.
Inhalation	Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
Skin contact:	Wash skin with plenty of water. If skin irritation or rash occurs: Get medical advice/attention.
Eyes contact	Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Rinse eyes with water as a precaution.

Ingestion	Immediately call a POISON CENTER/doctor. Do not induce vomiting. Rinse mouth. Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects:	Direct contact with eyes may cause temporary irritation. May cause drowsiness or dizziness.

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

Provide general supportive measures and treat symptomatically. Symptoms may be delayed.

5. SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Adapt extinguishing media to the environment. The product irself does not burn. Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Explosion hazard	Pressurised container: May burst if heated.
Reactivity in case of fire	In the event of fire hazardous gases may occur.
Hazardous combustion products	Carbon dioxide. Carbon monoxide. Nitrogen oxides.

5.3. Advice for firefighters

Firefighting instructions	Move container from fire area if it can be done without risk. Use water spray or fog for cooling exposed containers.
Protection during firefighting	Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Wear fire/flame resistant/retardant clothing. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
Other information	Use standard firefighting procedures and consider the hazards of other involved materials.

6. SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	Do not handle until all safety precautions have been read and understood.
For non-emergency personnel	
Protective equipment	Use personal protective equipment as required. Wear appropriate protective equipment and clothing during clean-up.
Emergency procedures	Ventilate spillage area. Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS. No open flames, no sparks, and no smoking. Avoid breathing dust/fume/gas/mist/vapours/spray.
For emergency responders	
Protective equipment	Do not attempt to take action without suitable protective equipment. Wear recommended personal protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the MSDS.

6.2. Environmental precautions

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

For containment Stop leak without risks if possible.

Methods for cleaning up Remove all sources of ignition. Stop the leak. Following product recovery, flush area with water. Mechanically recover the product.

Other information Prevent entry into waterways, sewer, basements or confined areas. Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

7. SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling Wear personal protective equipment. Keep away from sources of ignition - No smoking. Do not pierce or burn, even after use. Ground/bond container and receiving equipment. Avoid prolonged exposure. Avoid contact with eyes. Observe good industrial hygiene practices. Do not eat, drink or smoke when using this product. Wear appropriate personal protective equipment. Keep only in original container. Avoid release to the environment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapours/spray.

Hygiene measures Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.

Storage class (LGK) LGK 2B - Aerosol dispensers and lighters

7.3. Specific end use(s)

For medical use.

8. SECTION 8: Exposure controls/personal protection

8.1. Control parameters

EU

Regulation	Substance	Type	Value
COMMISSION DIRECTIVE 2006/15/EC	**pentane (109-66-0)** Pentane	IOELV TWA	3000 mg/m³
		IOELV TWA	1000 ppm

Germany - TRGS900

Regulation	Substance	Type	Value
TRGS900	**pentane (109-66-0)** Pentan	Occupational exposure limit value	3000 mg/m³
		Occupational exposure limit value	1000 ppm
		Limitation of exposure peaks	6000 mg/m³
		Limitation of exposure peaks	2000 ppm
		Remark	DFG;EU;Y

DNEL: Derived no effect level

No data available

Components	Type	Route	Value	Form
pentane (109-66-0)	Worker	Dermal	432 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	3000 mg/m³	Long-term - systemic effects
	Consumer	Oral	214 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	643 mg/m³	Long-term - systemic effects
		Dermal	214 mg/kg bodyweight/day	Long-term - systemic effects
(1E)-1,3,3,3-tetrafluoroprop-1-ene (-)	Worker	Inhalation	3902 mg/m³	Long-term - systemic effects
	Consumer	Inhalation	830 mg/m³	Long-term - systemic effects

PNEC: Predicted no effect concentration

No data available

Components	Type	Route	Value	Form
pentane (109-66-0)	Not applicable	Freshwater	230 µg/L	
		Seawater	230 µg/L	
		Freshwater	880 µg/L	Intermittent release
		sediment	1.2 mg/kg dwt	Freshwater
		sediment	1.2 mg/kg dwt	Seawater
		Soil	0.55 mg/kg dwt	
		STP	3600 µg/L	
(1E)-1,3,3,3-tetrafluoroprop-1-ene (-)	Not applicable	Freshwater	0.1 mg/l	
		Freshwater	1 mg/l	Intermittent release

8.2. Exposure controls

Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Ensure good ventilation of the work station

Materials for protective clothing

Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment

Condition	Material	Comments
Individual protection measures, such as personal protective equipment (PPE)		
Eye protection	If skin or eye contact with the product is probable, protective glasses with side shield are recommended. Safety glasses	
Skin protection		
Hand protection	Wear appropriate protective gloves for prolonged or repeated skin contact	

Material	Permeation	Thickness (mm)	Comments
Butyl rubber, Viton® II	6 (> 480 minutes)	0,6	

Other protective measures

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Skin and body protection	Wear suitable protective clothing
Thermal hazard protection	Wear appropriate thermal protective clothing, when necessary.
Environmental exposure controls	Inform appropriate managerial or supervisory personnel of all environmental releases. Avoid release to the environment.

9. SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Aerosol.
Colour	light blue.
Odour	Characteristic.
Odour threshold	No data available
pH	No data available
Relative evaporation rate (butylacetate=1)	No data available
Melting point	Not applicable
Freezing point	No data available
Boiling point	No data available
Flash point	-16 °C
Auto-ignition temperature	260 °C
Decomposition temperature	No data available
Flammability (solid, gas)	Not applicable
Vapour pressure	3000 – 4000 hPa
Relative vapour density at 20 °C	No data available
Relative density	No data available
Density	1.295 – 1.315 g/m³
Solubility	No data available
Log Pow	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic	No data available
Explosive properties	Pressurised container: May burst if heated.
Oxidising properties	None.
Lower explosive limit (LEL)	1.4 vol %
Upper explosive limit (UEL)	8 vol %

9.2. Other information

No additional information available.

10. SECTION 10: Stability and reactivity

10.1. Reactivity	Pressurised container: May burst if heated.
10.2. Chemical stability	Stable under normal conditions of use.
10.3. Possibility of hazardous reactions	No dangerous reactions known under normal conditions of use.
10.4. Conditions to avoid	Heat. Contact with incompatible materials. Avoid contact with hot surfaces. No flames, no sparks. Eliminate all sources of ignition.
10.5. Incompatible materials	Strong acids. Bases. Oxidising agents.

10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide. Hydrocarbon fragments.

11. SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	Based on available data, the classification criteria are not met.
Skin corrosion/irritation	Based on available data, the classification criteria are not met.
Additional information	Repeated exposure may cause skin dryness or cracking
Serious eye damage/irritation	Based on available data, the classification criteria are not met.
Respiratory or skin sensitisation	Based on available data, the classification criteria are not met.
Germ cell mutagenicity	Based on available data, the classification criteria are not met
Carcinogenicity	Based on available data, the classification criteria are not met
Reproductive toxicity	Based on available data, the classification criteria are not met
STOT-single exposure	May cause drowsiness or dizziness.
STOT-repeated exposure	Based on available data, the classification criteria are not met
Aspiration hazard	Based on available data, the classification criteria are not met
Potential adverse human health effects and symptoms	Occupational exposure to the substance or mixture may cause adverse effects.

12. SECTION 12: Ecological information

12.1. Toxicity

Ecology - general Harmful to aquatic life with long lasting effects.

Hazardous to the aquatic environment, short-term (acute)

Substance / Product	Trophic level	Species	Type	Value	Duration	Remarks
pentane (109-66-0)	crustacea	Daphnia magna	EC50	< 10 mg/l	48h	

12.2. Persistence and degradability

pentane (109-66-0)

Persistence and degradability	Readily biodegradable. (OECD 301F method).
Biodegradation	87 %

12.3. Bioaccumulative potential

pentane (109-66-0)

Log Pow	3.39
Log Kow	3.45 @ 25 °C

12.4. Mobility in soil

No additional information available.

12.5. Results of PBT and vPvB assessment

scan´dry plus

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII.

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII.

12.6. Other adverse effects

Additional information Contains fluorinated greenhouse gases covered by the Kyoto protocol

13. SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste)	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Waste treatment methods	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.
Additional information	Dispose in accordance with all applicable regulations.

European List of Waste (LoW) code

16 05 04*	gases in pressure containers (including halons) containing dangerous substances

14. SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

UN-No. (ADR)	1950
UN-No. (IMDG)	1950
UN-No. (IATA)	1950
UN-No. (ADN)	1950
UN-No. (RID)	1950

14.2. UN proper shipping name

Proper Shipping Name (ADR)	AEROSOLS
Proper Shipping Name (IMDG)	AEROSOLS
Proper Shipping Name (IATA)	Aerosols, non-flammable
Proper Shipping Name (ADN)	AEROSOLS
Proper Shipping Name (RID)	AEROSOLS

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR)	2.2
Danger labels (ADR)	2.2

IMDG

Transport hazard class(es) (IMDG)	2.2
Danger labels (IMDG)	2.2

IATA

Transport hazard class(es) (IATA)	2.2
Hazard labels (IATA)	2.2

ADN

Transport hazard class(es) (ADN)	2.2
Danger labels (ADN)	2.2

RID

Transport hazard class(es) (RID)	2.2
Danger labels (RID)	2.2

14.4. Packing group

Packing group (ADR)	Not applicable
Packing group (IMDG)	Not applicable
Packing group (IATA)	Not applicable
Packing group (ADN)	Not applicable
Packing group (RID)	Not applicable

14.5. Environmental hazards

Dangerous for the environment	No
Marine pollutant	No
Other information	No supplementary information available.

14.6. Special precautions for user

Overland transport

Classification code (ADR)	5A
Special provisions (ADR)	190, 327, 344, 625
Limited quantities (ADR)	1l
Packing instructions (ADR)	P207, LP02
Tunnel restriction code (ADR)	E

Transport by sea

Special provisions (IMDG)	63, 190, 277, 327, 344, 959
Limited quantities (IMDG)	SP277
Packing instructions (IMDG)	P207, LP02
EmS-No. (Fire)	F-D
EmS-No. (Spillage)	S-U
Stowage category (IMDG)	None

Air transport

PCA Excepted quantities (IATA)	E0
PCA Limited quantities (IATA)	Y203
PCA limited quantity max net quantity (IATA)	30kgG
PCA packing instructions (IATA)	203
PCA max net quantity (IATA)	75kg
CAO packing instructions (IATA)	203
CAO max net quantity (IATA)	150kg
Special provisions (IATA)	A98, A145, A167, A802
ERG code (IATA)	2L

Inland waterway transport

Classification code (ADN)	5A
Special provisions (ADN)	190, 327, 344, 625
Limited quantities (ADN)	1 L

Rail transport

Classification code (RID)	5A
Special provisions (RID)	190, 327, 344, 625
Limited quantities (RID)	1L
Packing instructions (RID)	P207, LP02
Hazard identification number (RID)	20

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

15. SECTION 15: Regulatory information

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

EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006

scan´dry plus ; pentane	3(a) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F
scan´dry plus ; pentane	3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10
scan´dry plus ; pentane	3(c) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1
pentane	40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.
(1E)-1,3,3,3-tetrafluoroprop-1-ene	72. The substances listed in column 1 of the Table in Appendix 12

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Other information, restriction and prohibition regulations	EC Nr: 471-480-0 is exempted from the prohibition of mixtures containing fluorinated greenhouse gases in accordance with REGULATION (EU) No 517/2014 as it is used for medical applications.
National regulations	
Regulatory reference	WGK 2, Hazardous to water (WGK 2) (Classification according to AwSV, Annex 1)
Hazardous Incident Ordinance (12. BImSchV)	Is not subject of the 12. BImSchV (Hazardous Incident Ordinance).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

16. SECTION 16: Other information

Indication of changes

Section 1 - Section 16.

Abbreviations and acronyms

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
AGW	Occupational exposure limit value
ATE	Acute Toxicity Estimate according to Regulation (EC) 1272/2008 (CLP)
BAM	Federal Institute for Materials Research and Testing, Germany
BAT	Maximum permissible concentration of biological working substances.
BCF	Bio-concentration factor.
BLV	Biological limit values
BLV	Biological limit values (BGW, Austria)

BMGV	Biological Monitoring Guidance Value (EH40,UK).
BOD5	Biochemical oxygen demand within 5 days
BOD	Biochemical oxygen demand
bw	Body weight.
calcd.	Calculated
CAS	Chemical Abstract Service.
CEN	European Committee for Standardization
CESIO	European Committee on Organic Surfactants and their Intermediates.
COD	Chemical oxygen demand
CLP	Classification, Labeling and Packaging REGULATION (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures.
CMR	Carcinogenic, Mutagenic or Reproduction Toxic Substances
CSA	Chemical safety assessment
CSR	Chemical Safety Report.
DMEL	Derived Minimum Effect Level.
DNEL	Derived no effect level
EAC	European waste catalogue
EC	European community
EC50	Effective concentration
EINECS	European Inventory of Existing Commercial Chemical Substances.
ELINCS	European List of Notified Chemical Substances.
EN	European norm.
ERC	ERC (Environmental Release category)
EU	European Union
GLP	Good Laboratory Practice.
GHS	Globally Harmonized System of Classification and Labeling of Chemicals.
GW/VL	Occupational exposure limit value.
GW-kw/VL-cd	Occupational exposure limit value - short term.
GW-M/VL-M	Occupational exposure limit value – "Ceiling".
IATA	International Air Transport Association
IBC code	International Bulk Chemical (Code) (International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk).
ICAO	International Civil Aviation Organization
IC50	Inhibition Concentration 50%.
IECSC	Inventory of Existing Chemical Substances in China.
IMDG	International Maritime Dangerous Goods
ISO	International Standards Organization.
IUPAC	International Union of Pure and Applied Chemistry
LC50	Lethal Concentration 50%.
LCLo	Lowest published lethal concentration.
LD50	Lethal Dose 50%.
LOAEL	Lowest Observed Adverse Effect Level
LOEC	Lowest observable effect concentration.
LOEL	Lowest observable effect level.
LQ	Limited quantities
TRK-Kzw	Threshold limit value - Short-term exposure limit / Technical reference concentration - short-time value, Austria.

MAK-Mow	Maximum allowable workplace concentration – instantaneous value, Austria.
MAK-Tmw, TRK-Tmw	Maximum allowable workplace concentration – daily mean value / Technical standard concentration – daily mean value, Austria.
MAK	Threshold limit values Germany.
MARPOL	International Convention for the Prevention of Pollution from Ships.
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
NOEL	no-observed-effect level
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limits
PBT	Persistent Bioaccumulative Toxic
PC (Chemical product category)	PC (Chemical product category)
PNEC	Predicted No-Effect Concentration
POCP	Photochemical ozone creation potential.
POP	Persistent Organic Pollutants
PPE	Personal protective equipment
Process category	Process category
REACH	Registration, Evaluation and Authorization of Chemicals (REGULATION (EC) No 1907/2006 concerning Registration, Evaluation Authorization and Restriction of Chemicals).
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SCL	Specific concentration limit.
STEL	Short-term Exposure Limit
STP	Sewage treatment plant
SU (Sector of use)	SU (Sector of use)
SVHC	Substance of Very High Concern.
TLV	Threshold Limit Value
TRGS	Technical Rules for Hazardous Substances (German Standard).
TWA	Time Weighted Average
UVCB	Substances of Unknown or Variable composition, Complex reaction products or Biological materials
VbF	Ordinance on Flammable Liquids, Austria
VOC	Volatile organic compounds
vPvB	Very Persistent and Very Bioaccumulative
WEL-TWA	Workplace Exposure Limit-Long term exposure limit (8-hour TWA(=time weighted average)reference period).
WEL-STEL	Workplace Exposure Limit-Short term exposure limit (15-minute reference period).

Data sources REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006..

Training advice Normal use of this product shall imply use in accordance with the instructions on the packaging

Classification according to Regulation (EC) No. 1272/2008

Aerosol 3	H229
STOT SE 3	H336

Aquatic Chronic 3	H412

Full text of H- and EUH-statements

Aerosol 3	Aerosol, Category 3.
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2.
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3.
Asp. Tox. 1	Aspiration hazard, Category 1.
Flam. Liq. 1	Flammable liquids, Category 1.
Press. Gas (Liq.)	Gases under pressure : Liquefied gas.
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis.
H224	Extremely flammable liquid and vapour..
H229	Pressurised container: May burst if heated..
H280	Contains gas under pressure; may explode if heated..
H304	May be fatal if swallowed and enters airways..
H336	May cause drowsiness or dizziness..
H411	Toxic to aquatic life with long lasting effects..
H412	Harmful to aquatic life with long lasting effects..

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]

Aerosol 3	H229	Expert judgment
STOT SE 3	H336	Expert judgment
Aquatic Chronic 3	H412	Calculation method

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.