SAFETY DATA SHEET



according to regulation (EU) No 2015/830

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

1.1. Product identifier

Trade name or designation

Scan dry

of the mixture

Registration number

Synonyms None.

SDS number 5314

Product code 500520

Issue date 26-October-2015

Version number 1,0

Revision date 26-October-2015

Product use Professional use

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

Identified uses For medical use

Matting agent for the optical impression in dental CAD / CAM process

Uses advised against None known.

1.3. Details of the supplier of the safety data sheet

Company name Dentaco GmbH & Co.KG

Address Max-Keith-Str. 46

45136 Essen, Germany

Telephone number + 49 (0) 201/ 8098290 **Fax** + 49 (0) 201/ 80982999

Homepage www.dentaco.de; info@dentaco.de

E-mail HSE@rle.de

1.4 Emergency telephone

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

number

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Regulation (EC) No 1272/2008 as amended

Physical hazards

Aerosols Category 3 H229 - Pressurized container: May

burst if heated.

Environmental hazards

Hazardous to the aguatic environment, Category 3 H412 - Harmful to aquatic life with

long-term aquatic hazard long lasting effects.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Hazard pictograms None.

Signal word Warning

Hazard statements

H229 Pressurized container: May burst if heated. 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.

P260 Do not breathe dust/fume/gas/mist/vapors/spray.
P262 Do not get in eyes, on skin, or on clothing.

Response

Material name: Scan dry SDS GERMANY

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P331 Do NOT induce vomiting.

Storage

P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Disposal None.

Supplemental label information max. 4 % by mass of the contents are flammable.

EUH208 - Contains Lemon, Ext.. May produce an allergic reaction.

2.3. Other hazardsBased on the test data, the product is not classified as a flammable aerosol.

The mixture contains no substance that fulfils the criteria of a PBT- or vPvB substance.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name		%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
1,1,1,2,3,3,3-Heptafluor	ropropane	20 - < 50	431-89-0 207-079-2	01-2119485489-18-XXXX	-	
Classification:	Press. Gas	s;H280				
Talc (Mg3H2(SiO3)4)		10 - < 20	14807-96-6 238-877-9	-	-	
Classification:	Acute Tox	. 4;H332, STC	OT SE 3;H335			
Ethanol		1 - < 5	64-17-5 200-578-6	01-2119457610-43-XXXX	603-002-00-5	Eye Irrit. 2 H319 , C >= 50.0%
Classification:	Flam. Liq.	2;H225, Eye	Irrit. 2;H319			
Lemon, Ext.		0,1 - < 1	84929-31-7 284-515-8	-	-	
Classification:			Tox. 1;H304, Skin Chronic 1;H410	Irrit. 2;H315, Skin Sens. 1;H31	17, Aquatic	
Naphtha (petroleum), hy	ydrotreated	0,1 - < 1	64742-49-0 265-151-9	-	649-328-00-1	Note P
Classification:	Asp. Tox.	1;H304, Muta	. 1B;H340, Carc. 1	B;H350		

List of abbreviations and symbols that may be used above:

Note: Regulation No. 1272/2008 - Annex VI

Composition comments The full text for all H-statements is displayed in section 16.

SECTION 4: First aid measures

General information If you feel unwell, seek medical advice (show the label where possible). Ensure that medical

personnel are aware of the material(s) involved, and take precautions to protect themselves.

4.1. Description of first aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact Wash off with soap and water. Get medical attention if irritation develops and persists.

Eye contact Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if

present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion In the unlikely event of swallowing contact a physician or poison control centre. Rinse mouth.

4.2. Most important symptoms and effects, both acute and

delayed

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred

vision. Coughing. Prolonged exposure may cause chronic effects.

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

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

SECTION 5: Firefighting measures

General fire hazards Not available.

5.1. Extinguishing media

Suitable extinguishing

media

Alcohol resistant foam. Water fog. Dry chemical powder. Carbon dioxide (CO2).

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 Contents under pressure. Pressurised container may explode when exposed to heat or flame.

During fire, gases hazardous to health may be formed.

5.3. Advice for firefighters

Special protective equipment for firefighters

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Special fire fighting procedures

Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose

holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

Use standard firefighting procedures and consider the hazards of other involved materials. Move Specific methods containers from fire area if you can do so without risk. In the event of fire and/or explosion do not

breathe fumes.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8.

For emergency responders

Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the

SDS.

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

Refer to attached safety data sheets and/or instructions for use. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil etc) away from spilled material. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

6.4. Reference to other sections

For personal protection, see section 8. For waste disposal, see section 13 of the SDS.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Pressurised container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not re-use empty containers. Avoid contact with eyes. Avoid prolonged exposure. When using, do not eat, drink or smoke. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store away from incompatible materials (see Section 10 of the SDS).

TRGS 510 storage class: 2B

7.3. Specific end use(s) For medical use

Matting agent for the optical impression in dental CAD / CAM process

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Germany

Components	Туре	Value	
Ethanol (CAS 64-17-5)	STEL	1920 mg/m3	
Comments:	15 minutes average value		
		1000 ppm	
Comments:	15 minutes average value		

Material name: Scan dry SDS GERMANY

Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)

in the Work Area (DFG Components) Type	Value		
Ethanol (CAS 64-17-5)	TWA	960 mg/m3		
		500 ppm		
Germany - TRGS 900 Material	Туре	Value		
Scan dry	AGW	1500 mg/m3		
Comments:	Workplace exposure limit according to RCP method for the hydrocarbon fraction (TRGS 900, Sect. 2.9)			
	STEL	3000 mg/m3		
Comments: Workplace exposure limit according to RCP method for the hydrocarbon fraction (TRG Sect. 2.9)				

Components Type Value

Ethanol (CAS 64-17-5) STEL 1920 mg/m3

Comments: 15 minutes average value

Comments: 15 minutes average value

Germany. TRGS 900, Limit Values in the Ambient Air at the Workplace **Form** Components Value Type Ethanol (CAS 64-17-5) AGW 960 mg/m3 500 ppm Silicon dioxide **AGW** 4 mg/m3 Inhalable fraction. Talc (Mg3H2(SiO3)4) (CAS **AGW** 10 mg/m3 Inhalable fraction. 14807-96-6) 1,25 mg/m3 Respirable fraction. Titanium dioxide (CAS **AGW** 10 mg/m3 Inhalable fraction. 13463-67-7) Respirable fraction. 1,25 mg/m3

1000 ppm

Biological limit values

No biological exposure limits noted for the ingredient(s).

Recommended monitoring

procedures

Follow standard monitoring procedures.

Derived no-effect level (DNEL)

Components	-	Туре	Route	Value	Form
Ethanol (CAS 64-17-5)		Consumer	Dermal	206 mg/kg/day	-
Comments:	Long term expo	sure systemic effects			
			Inhalation	950 mg/m3	-
Comments:	Short term expo	osure - local effects			
			Inhalation	114 mg/m3	
Comments:	Long term expo	sure systemic effects			
			Oral	87 mg/kg/day	-
Comments:	Long term expo	sure systemic effects			
		Professional	Dermal	343 mg/kg/day	-
Comments:	Long term expo	sure systemic effects			
			Inhalation	950 mg/m3	-
Comments:	Long term expo	sure systemic effects			
			Inhalation	1900 mg/m3	
Comments:	Short term expo	osure - local effects			
Silicon dioxide		Professional	Inhalation	4 mg/m3	-
Comments:	mments: Long term exposure systemic effects				
Titanium dioxide (CAS 1	13463-67-7)	Consumer	Oral	700 mg/kg/day	-
Comments:	Long term exposure systemic effects				
		Industry	Inhalation	10 mg/m3	-
Comments:	Long term Loca	l effects			
		Professional	Inhalation	10 mg/m3	-
Comments:	Long term Loca	l effects			

Material name: Scan dry SDS GERMANY

Predicted no effect concentrations (PNECs)

Components	Туре	Route	Value	Form
Ethanol (CAS 64-17-5)	Not applicable	Oral	0,72 mg/g	
		Sediment	0,0036 mg/g	Fresh water
		Soil	0,00063 mg/g	
		STP	580 mg/l	
		Water	2,75 mg/l	Intermittent release
		Water	0,96 mg/l	Fresh water
		Water	0,79 mg/l	Seawater
Titanium dioxide (CAS 13463-67-7)	Not applicable	Floor	100 mg/kg	
		Oral	1667 mg/kg	Feed (oral)
		Sediment	1000 mg/kg	Fresh water
		Sediment	100 mg/kg	Seawater
		STP	100 mg/l	
		Water	1 mg/l	Seawater
		Water	0,61 mg/l	Intermittent release
		Water	0,127 mg/l	Fresh water

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. Provide eyewash station.

Individual protection measures, such as personal protective equipment

General information Use personal protective equipment as required. Personal protection equipment should be chosen

according to the CEN standards and in discussion with the supplier of the personal protective

equipment.

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin protection

- Hand protection For prolonged or repeated skin contact use suitable protective gloves.

Other Wear suitable protective clothing.

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

Hygiene measures When using do not smoke. 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.

Environmental exposure

controls

Inform appropriate managerial or supervisory personnel of all environmental releases.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state Aerosol.
Form Aerosol
Colour Light blue
Odour Alcoholic
Odour threshold Not available.
PH Not available.
Melting point/freezing point Not available.

Initial boiling point and boiling

range

78 °C (172,4 °F) approximately

Flash point Not applicable, since aerosol

Evaporation rate Not available.
Flammability (solid, gas) Not available.
Upper/lower flammability or explosive limits

Flammability limit - lower

Not available.

(%)

Flammability limit - upper Not available.

(%)

Vapour pressureNot available.Vapour densityNot available.Relative densityNot available.

Solubility(ies)

Solubility (water)Not available.Solubility (other)Not available.Partition coefficientNot available.

(n-octanol/water)

Auto-ignition temperatureNot available.Decomposition temperatureNot available.ViscosityNot available.Explosive propertiesNot available.Oxidising propertiesNot available.

9.2. Other information

VOC (EU) Not applicable

SECTION 10: Stability and reactivity

10.1. ReactivityThe product is stable and non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability Material is stable under normal conditions.

10.3. Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoidContact with incompatible materials.

10.5. Incompatible materials Strong oxidising agents.

10.6. Hazardous Carbon monoxide, carbo

decomposition products

Carbon monoxide, carbon dioxide and other hydrocarbon fragments. Fluorine containing gases.

SECTION 11: Toxicological information

General information Occupational exposure to the substance or mixture may cause adverse effects.

Information on likely routes of exposure

InhalationProlonged inhalation may be harmful.Skin contactMay cause an allergic skin reaction.

Eye contactBased on available data, the classification criteria are not met. **Ingestion**Based on available data, the classification criteria are not met.

Symptoms May cause an allergic skin reaction.

11.1. Information on toxicological effects

Product Species Test results

Scan dry

Acute Inhalation Dust

> 5 mg/l, 4 hours (calcd. ATE)

Components Species Test results

Talc (Mg3H2(SiO3)4) (CAS 14807-96-6)

Acute Inhalation Liquid

11 mg/l, 4 hours (acc. CLP 3.1.2)

Dust

1,5 mg/l, 4 hours (acc.CLP 3.1.2)

Skin corrosion/irritation May cause an allergic skin reaction.

Serious eye damage/eye Direct contact with eyes may

irritation

Direct contact with eyes may cause temporary irritation.

Respiratory sensitisation Based on available data, the classification criteria are not met.

Skin sensitisation May cause an allergic skin reaction.

Germ cell mutagenicity CAS 64742-49-0: Note P is applicable (contains less than 0,1 % w/w benzene (EINECS No

200-753-7), therefore no classification as mutagen

Carcinogenicity CAS 64742-49-0: Note P is applicable (contains less than 0,1 % w/w benzene (EINECS No

200-753-7), therefore no classification as carcinogen

Reproductive toxicity Based on available data, the classification criteria are not met.

Specific target organ toxicity -

single exposure

Based on available data, the classification criteria are not met.

Specific target organ toxicity -

repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

Mixture versus substance

information

No information available.

Other information Not available.

SECTION 12: Ecological information

12.1. Toxicity Harmful to aquatic life with long lasting effects.

12.2. Persistence and

degradability

No data is available on the degradability of this product.

12.3. Bioaccumulative potential No data available.
 Bioconcentration factor (BCF) Not available.
 12.4. Mobility in soil No data available.

12.5. Results of PBT

and vPvB assessment

The mixture contains no substance that fulfils the criteria of a PBT- or vPvB substance.

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

12.6. Other adverse effects

Residual 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).

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal.

Since emptied containers may retain product residue, follow label warnings even after container is

emptied. Do not re-use empty containers.

EU waste codeThe Waste code should be assigned in discussion between the user, the producer and the waste

disposal company.

16 05 04 15 01 06

Disposal methods/information Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents

under pressure. Do not puncture, incinerate or crush. 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 local/regional/national/international

regulations.

Special precautionsDispose in accordance with all applicable regulations.

SECTION 14: Transport information

ADR

14.1. UN number UN1950

14.2. UN proper shipping AEROSOLS, asphyxiant

name

14.3. Transport hazard class(es)

Class 2
Subsidiary risk Label(s) 2.2

Hazard No. (ADR) Not available.

Tunnel restriction code E

14.4. Packing group Not applicable.

14.5. Environmental hazards No

14.6. Special precautions

for user

Read safety instructions, SDS and emergency procedures before handling.

Special provisions 190, 327, 344, 625

Classification code 5A

IATA

UN1950 14.1. UN number

14.2. UN proper shipping AEROSOLS, non-flammable

name

14.3. Transport hazard class(es) Subsidiary risk

14.4. Packing group Not applicable.

Packaging instructions 204 204 **Packaging instructions**

cargo only

14.5. Environmental hazards No **ERG Code** 21

14.6. Special precautions

for user

Read safety instructions, SDS and emergency procedures before handling.

Other information

Passenger and cargo

aircraft

Cargo aircraft only Allowed. Maximum net quantity 75 kg packaging - Passenger

and cargo aircraft

Maximum net quantity 150 kg

packaging cargo only

Maximum net quantity

30.00 kg

Allowed.

packaging - Limited

quantity

A98, A145, A167, A802 Special provisions

IMDG

LIN1950 14.1. UN number **AEROSOLS** 14.2. UN proper shipping

name

14.3. Transport hazard class(es) Class 2 Subsidiary risk

14.4. Packing group Not applicable.

14.5. Environmental hazards Marine pollutant

EmS

14.6. Special precautions

Read safety instructions, SDS and emergency procedures before handling.

for user

Special provisions 63, 190, 277, 327, 344, 959

SECTION 15: Regulatory information

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

EU regulations

Not applicable.

Restrictions on use

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding, as amended

Naphtha (petroleum), hydrotreated light (CAS 64742-49-0)

This Safety Data Sheet complies with the requirements of Regulation (EC) No 2015/830. Other regulations

1,1,1,2,3,3,3-Heptafluoropropane (R-227ea), CAS No: 431-89-0 is exempted from the prohibition Other EU regulations

of mixtures containing fluorinated greenhouse gases in accordance with REGULATION (EU) No

517/2014 as it is used for medical applications

Directive 94/33/EC on the protection of young people at work, as amended

Naphtha (petroleum), hydrotreated light (CAS 64742-49-0)

VOC (EU): Not applicable

Directive 2012/18/EU on major accident hazards involving dangerous substances

Not applicable

National regulations Follow national regulation for work with chemical agents.

Water hazard class

VwVwS (According to Annex IV)

WGK2

15.2. Chemical safety

No Chemical Safety Assessment has been carried out.

assessment

SECTION 16: Other information

List of abbreviations

AC: Article category.

acc., acc.to: according, according to.

ACGIH: American Conference of Governmental Industrial Hygienists.

AFNOR: French Institute for Standards (Association Française de Normalisation).

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures).

ADR: European agreement concerning the international carriage of dangerous goods by road (Accord européen relatif transport des merchandises dangereuses par route).

AGW: Occupational threshold limit value (Arbeitsplatzgrenzwert – Germany).

AICS: Australian Inventory of Chemical Substances.

ANSI: American National Standards Institute.

AOEL: Acceptable Operator Exposure Level.

AOX: adsorbable organic halogen compounds.

approx.: approximately. ASTM: ASTM International.

ATE: Acute Toxicity Estimate according to REGULATION (EC) No 1272/2008 (CLP).

BAM: Federal Institute for Materials Research and Testing, Germany (Bundesanstalt für

Materialforschung und -prüfung).

Maximum permissible concentration of biological working substances (BAT: Biologische

Arbeitsstofftoleranzwerte).

BAuA: Federal Institute for Occupational Health and Safety, Germany (Bundesanstalt für

Arbeitsschutz und Arbeitsmedizin).

BCF: Bio-concentration factor. BET: Brunauer-Emmett-Teller.

BLV: Biological Limit Value.

BLV: Biological Limit Value (BGW: Biologischer Grenzwert, Austria).

BMGV: Biological Monitoring Guidance Value (EH40,UK).

BSI: British Standards Institution.

BS: British Standard.

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 (Comité Européen de Normalisation).

CESIO: European Committee on Organic Surfactants and their Intermediates (Comité Européen des Agents de Surface et de leurs Intermédiaires Organiques).

ChemRRV: Ordinance on the risk reduction related to chemical products (ChemRRV:

Chemikalien-Risikoreduktions-verordnung, Switzerland).

CLP: Classification, Labeling and Packaging REGULATION (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures.

CMR: Substances classified as Carcinogenic, Mutagenic or toxic for Reproduction.

CNS: Central Nervous System.

CNT: Carbon nanotubes.

COD: Chemical Oxygen Demand.

CSA: Chemical Safety Assessment.

CSR: Chemical Safety Report.

DETEC: Swiss Federal Department of the Environment, Transport, Energy and Communications.

DIN: German Standards Institute / German industrial norm (Deutsches Institut für Normung /

Deutsche Industrienorm).

DMEL: Derived Minimum Effect Level.

DNEL: Derived No Effect Level.

DOC: Dissolved organic carbon.

DPD: Directive 1999-45-EC / Dangerous Preparations Directive.

DSD: Directive 67/548-EC / Dangerous Substances Directive.

DSL: Canada, Domestic Substances List.

DU: Downstream User.

dw: dry weight.

e.g.: For example, for instance. EBW: Exposure Based Waiving.

EC: European Community.

Material name: Scan dry SDS GERMANY 500520 Version #: 1,0 Revision date: 26-October-2015 Issue date: 26-October-2015

EC50: Effective Concentration 50%. ECHA: European Chemical Agency.

EINECS: European Inventory of Existing Commercial Chemical Substances.

ELINCS: European List of Notified Chemical Substances.

EN: European norm.

ENCS: Japan, Inventory of Existing and New Chemical Substances.

EPA: United States Environmental Protection Agency.

ERC: Environmental release category.

ES: Exposure scenario.

EUSES: European Union System for the Evaluation of Substances.

EWC/EWL: European Waste Catalogue.

GCL: General concentration limit.

gen.: general.

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

GLP: Good Laboratory Practice.

GW/VL: Occupational exposure limit value.

GW-kw: Occupational exposure limit value - short term.

GW-M/VL-M: Occupational exposure limit value - "Ceiling".

GWP: Global Warming Potential.

HPV: High Production Volume Chemicals.

HEPA: High Efficiency Particulate Air.

IARC: International Agency for Research on Cancer.

IATA: International Air Transport Association.

IBC: Intermediate Bulk Container.

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 Code: International Maritime Dangerous Goods Code.

IMO: International Maritime Organization.

incl.: including, inclusive.

ISO: International Standards Organization.

IUCLID: International Uniform Chemical Information Database.

IUPAC: International Union for Pure Applied Chemistry.

KECI: Korea Existing Chemicals Inventory.

LCA: Life Cycle Assessment.

LC: Lethal Concentration.

LC50: Lethal Concentration 50%.

LCLo: Lowest published lethal concentration.

LD50: Lethal Dose 50%.

LEV: Local exhaust ventilation.

LOAEL: Lowest observed adverse effect level.

LOEC: Lowest observable effect concentration.

LOEL: Lowest observable effect level.

LPV: Low Production Volume Chemicals.

LQ: Limited Quantities.

Air Quality Control Regulation (LRV: Luftreinhalteverordnung, Switzerland).

TLV-STEL: Threshold limit value - Short-term exposure limit / Technical reference concentration - short-time value (TRK-Kzw = Technische Richtkonzentration - Kurzzeitwert).

Maximum allowable workplace concentration – instantaneous value (MAK-Mow: Maximale

Arbeitsplatzkonzentration - Momentanwert, Austria)

Maximum allowable workplace concentration - daily mean value / Technical standard

concentration - daily mean value (MAK-Tmw, TRK-Tmw: Maximale Arbeitsplatzkonzentration -

Tagesmittelwert / TRK-Tmw = Technische Richtkonzentration – Tagesmittelwert, Austria).

MAK: Threshold limit values Germany (Maximale Arbeitsplatzkonzentration - DFG).

MARPOL: International Convention for the Prevention of Pollution From Ships.

MTD: Maximum tolerated dose.

MWCNT: Multi-walled carbon nanotubes.

n.a.: not applicable.

N/A: Not available. n.d.: not determined.

NLP: No Longer Polymers.

NDSL: Canada, Non-Domestic Substances List.

NF: French Norm (See AFNOR).

NFPA: National Fire Protection Association.

NIOSH: National Institute for Occupational Safety & Health.

NOAEC: No Observed Adverse Effect Concentration.

NOAEL: No observed adverse effect level.

NOEC: No observed effect concentration.

NOEL: No observed effect level. NTP: National Toxicology Program.

NZIoC: New Zealand Inventory of Chemicals.

ODP: Ozone Depletion Potential.

OECD: Organization for Economic Cooperation and Development.

OEL: Occupational Exposure Limit.

org.: organic.

OSHA: Occupational Safety & Health Administration.

PAH: Polycyclic Aromatic Hydrocarbons. PBT: Persistent, bioaccumulative, toxic.

PC: Product category.

PE: Polyethylene.

PEC: Predicted Environmental Concentration.

PEL: Permissible Exposure Limit. PIC: Prior Informed Consent.

PICCS: Philippines Inventory of Commercial Chemical Substances.

PNEC: Predicted No Effect Concentration.

POCP: Photochemical ozone creation potential (Photochemisches Ozonbildungspotenzial).

POP: Persistent Organic Pollutant.

PPORD: Product and Process Oriented Research and Development.

PPE: Personal Protective Equipment.

PROC: Process category. RA: Risk Assessment.

RAR: Risk Assessment Report.

RCRA: Resource Conservation Recovery Act.

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 (Règlement International concernant le transport de marchandises dangereuses par chemin de fer).

RMM: Risk Management Measure.

RTECS: Registry of Toxic Effects of Chemical Substances.

QSAR: Quantitative Structure Activity Relation.

SARA: Superfund Amendments and Reauthorization Act. SADT: Self-Accelerating Decomposition Temperature.

SCL: Specific concentration limit. SEA: socio economic analysis. STEL: Short-term Exposure Limit. STP: Sewage treatment plant.

SU: Sector of use.

SVHC: Substance of Very High Concern. SWCNT: single-walled carbon nanotubes.

ThOD: Theoretical oxygen demand.

TOC: Total Organic Carbon. TLV: Threshold Limit Value.

TRA: Targeted Risk Assessment.

TRGS: Technical Rules for Hazardous Substances (German Standard)

TSCA: Toxic Substance Control Act. TWA: Time Weighted Average.

UC: Use category.

UDS: Use descriptor system.

UEC: Use and exposure categories.

UN: United Nations.

UN RTDG: United Nations Recommendations on the Transport of Dangerous Goods.

UVCB: Unknown or Variable Composition, Complex Reaction Products, and Biological Materials. Regulation on combustible liquids (VbF: Verordnung über brennbare Flüssigkeiten, Austria).

Regulation of the Austria Minister for Labor and Social Affairs regarding health surveillance at the workplace (VGÜ = Verordnung des Bundesministers für Arbeit und Soziales über die Gesundheitsüberwachung am Arbeitsplatz).

VOC: Volatile organic compounds.

vPvB: very Persistent, very Bioaccumulative.

VwVwS: Administrative Regulation water-polluting substances (German Regulation).

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).

WGK: Water hazard class in accordance with VwVwS (German regulation)

WGK1:Slightly hazardous for water

WGK2: Water endangering. WGK3: Severe hazard to waters WoE: Weight of evidence.

WHMIS: Workplace Hazardous Materials Information System.

WHO: World Health Organization.

wwt: wet weight. Not available.

data, if available.

Information on evaluation method leading to the classification of mixture

References

Sections 2 to 15

Full text of any H-statements

not written out in full under

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H280 Contains gas under pressure; may explode if heated.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

None.

H335 May cause respiratory irritation. H340 May cause genetic defects.

H350 May cause cancer. H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

Revision information

Training information

Disclaimer

Follow training instructions when handling this material.

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.

Based on the test data, the product is not classified as a flammable aerosol. The classification for

health and environmental hazards is derived by a combination of calculation methods and test

Material name: Scan dry