

SAFETY DATA SHEET

Version #: Issue date: 08-March-2022

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

1.1. Product identifier

Trade name or designation

of the mixture

TUNER 600

Registration number

UFI:

Austria: 9F3X-482P-A00Y-13PH Belgium: 9F3X-482P-A00Y-13PH Bulgaria: 9F3X-482P-A00Y-13PH

Croatia: 9F3X-482P-A00Y-13PH Cyprus: 9F3X-482P-A00Y-13PH

Czech Republic: 9F3X-482P-A00Y-13PH Denmark: 9F3X-482P-A00Y-13PH Estonia: 9F3X-482P-A00Y-13PH EU: 9F3X-482P-A00Y-13PH Finland: 9F3X-482P-A00Y-13PH France: 9F3X-482P-A00Y-13PH Germany: 9F3X-482P-A00Y-13PH Great Britain: 9F3X-482P-A00Y-13PH Greece: 9F3X-482P-A00Y-13PH

Hungary: 9F3X-482P-A00Y-13PH Iceland: 9F3X-482P-A00Y-13PH Italy: 9F3X-482P-A00Y-13PH Latvia: 9F3X-482P-A00Y-13PH Lithuania: 9F3X-482P-A00Y-13PH Luxembourg: 9F3X-482P-A00Y-13PH Malta: 9F3X-482P-A00Y-13PH Netherlands: 9F3X-482P-A00Y-13PH Norway: 9F3X-482P-A00Y-13PH Poland: 9F3X-482P-A00Y-13PH Portugal: 9F3X-482P-A00Y-13PH

Romania: 9F3X-482P-A00Y-13PH Slovakia: 9F3X-482P-A00Y-13PH Slovenia: 9F3X-482P-A00Y-13PH Spain: 9F3X-482P-A00Y-13PH Sweden: 9F3X-482P-A00Y-13PH

Synonyms None.

Product code BDS000269AE

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

Cleaners - Precision Identified uses

Uses advised against None known.

1.3. Details of the supplier of the safety data sheet

Company name CRC Industries Europe by

Touwslagerstraat 1 **Address**

> 9240 Zele Belaium

Telephone +32(0)52/45.60.11 Fax +32(0)52/45.00.34 hse@crcind.com E-mail www.crcind.com Website

1.4. Emergency telephone

number

Tel.: +32(0)52/45.60.11 (office hours: 9-17h CET)

General in EU 112 (Available 24 hours a day. SDS/Product information may not be available for

the Emergency Service.)

Austria National Poisons

Information Centre

+431 406 4343 (Available 24 hours a day. SDS/Product information may not be

available for the Emergency Service.)

Belgium National Poisons

Control Center

070 245 245 (Available 24 hours a day. SDS/Product information may not be

available for the Emergency Service.)

Bulgaria National Toxicological Information Centre

+359 2 9154233 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

Czech Republic National Poisons Information Centre

+420 224 919 293, or +420 224 915 402 (Hours of operation not provided. SDS/Product information may not be available for the Emergency Service.)

Denmark National Poisons Control Center

+45 82 12 12 12 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

Estonia National Poisons Information Centre

16662 or abroad: (+372) 626 9390 (Monday 9:00AM to Saturday 9:00AM (closed on Sundays and on national holidays). SDS/Product information may not be available for the Emergency Service.)

Finland National Poison Information Center

(09) 471 977 (direct) or (09) 4711 (exchange) (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

France National Poisons Control Center Hungary National

ORFILA number (INRS): + 33 (0) 1 45 42 59 59 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

Emergency Phone Number Lithuania Neatidėliotina

36 80 20 11 99 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

informacija apsinuodijus Malta Accident and

+370 5 236 20 52 or +37068753378 (Hours of operation not provided. SDS/Product information may not be available for the Emergency Service.)

Emergency Department Netherlands National Poisons Information

2545 4030 (Hours of operation not provided. SDS/Product information may not be available for the Emergency Service.)

Center (NVIC) **Norway Norwegian Poison** 030-274 88 88 (Only for the purpose of informing medical personnel in cases of acute intoxications)

Information Center

22 59 13 00 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

Portugal Poison Centre

800 250 250 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

Romania Număr de telefon care poate fi apelat în caz

021 5992300, int. 291 Spitalul Clinic de Urgență Bucuresti: spital@urgentafloreasca.ro

de urgență: Romania

0265 212111, 0265 211292, 0265 217235 Spitalul Clinic Județean de Urgență Târgu Mures: secretariat@spitjudms.ro

Slovakia National Toxicological Information Centre

+421 2 5477 4166 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

Sweden National Poison Information Center

112 - and ask for Poison Information (Available 24 hours a day, SDS/Product information may not be available for the Emergency Service.)

Switzerland Tox Info Suisse

145 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

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 1 H222 - Extremely flammable

aerosol.

H229 - Pressurized container: May

burst if heated.

Health hazards

Skin corrosion/irritation Category 2 H315 - Causes skin irritation. Specific target organ toxicity - single

exposure

Category 3 narcotic effects

H336 - May cause drowsiness or dizziness.

Environmental hazards

Hazardous to the aquatic environment, Category 2 H411 - Toxic 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

Contains: hydrocarbons,C6,isoalkanes,< 5% n-hexane, Pentane

Hazard pictograms



Signal word Danger

Hazard statements

H222 Extremely flammable aerosol.

H229 Pressurized container: May burst if heated.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

Prevention

P102 Keep out of reach of children.

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.

P261 Avoid breathing mist/vapours.

P271 Use only outdoors or in a well-ventilated area.

Response Not assigned.

Storage

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

Disposal

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

Supplemental label information

Regulation (EC) No 648/2004 on detergents: aliphatic hydrocarbons > 30 %

2.3. Other hazards

This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII. The product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
hydrocarbons,C6,isoalkanes,< 5% n-hexane	25 - 50	EC931-254-9 931-254-9	01-2119484651-34	649-328-00-1	
Classification	•	2;H225, Skin Irrit. 2;F quatic Chronic 2;H41	l315, STOT SE 3;H336, As _l I	p. Tox.	
Pentane	25 - 50	109-66-0 203-692-4	01-2119459286-30	601-006-00-1	#
Classification	: Flam. Liq. Chronic 2;		H336, Asp. Tox. 1;H304, Ac	quatic	
Carbon dioxide	5 - 10	124-38-9 204-696-9	-	-	#
Classification	: Press. Gas	s;H280			

List of abbreviations and symbols that may be used above

#: This substance has been assigned Union workplace exposure limit(s).

M: M-factor

PBT: persistent, bioaccumulative and toxic substance. vPvB: very persistent and very bioaccumulative substance.

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

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

SECTION 4: First aid measures

General information 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 Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison

centre or doctor/physician if you feel unwell.

Material name: TUNER 600 - Kontakt chemie - Europe BDS000269AE Version #: 01 Issue date: 08-March-2022 **Skin contact** Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get

medical advice/attention. Wash contaminated clothing before reuse.

Eye contact Rinse with water. Get medical attention if irritation develops and persists.

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

May cause drowsiness or dizziness. Headache. Nausea, vomiting. Skin irritation. May cause redness and pain.

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 Extremely flammable aerosol.

5.1. Extinguishing media

Suitable extinguishing media

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

Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapour 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.

Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials. 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

Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist/vapours. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Do not touch or walk through spilled material.

For emergency responders

Keep unnecessary personnel away. Avoid breathing mist/vapours. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

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

Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil etc) away from spilled material. The product is immiscible with water and will spread on the water surface. Prevent product from entering drains. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

6.4. Reference to other sections

For personal protection, see section 8 of the SDS. 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 breathing mist/vapours. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Use only in well-ventilated areas. Wear appropriate personal protective equipment. 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). Storage class (TRGS 510): 2B (Aerosol dispensers and lighters)

Not available.

7.3. Specific end use(s)

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Austria Components	Туре	Value
hydrocarbons,C6,isoalkane s,< 5% n-hexane	TWA (MAK)	200 ppm
Austria. MAK List, OEL Ordinanc		
Components	Туре	Value
Carbon dioxide (CAS 124-38-9)	Ceiling	18000 mg/m3
124-30-9)		10000 ppm
	MAK	9000 mg/m3
		5000 ppm
Pentane (CAS 109-66-0)	Ceiling	3600 mg/m3
, ,	· ·	1200 ppm
	MAK	1800 mg/m3
		600 ppm
Belgium. Exposure Limit Values		
Components	Туре	Value
Carbon dioxide (CAS 124-38-9)	STEL	54784 mg/m3
		30000 ppm
	TWA	9131 mg/m3
		5000 ppm
Pentane (CAS 109-66-0)	STEL	2250 mg/m3
		750 ppm
	TWA	1800 mg/m3
		600 ppm
Bulgaria. OELs. Regulation No 13 Components	3 on protection of workers agains Type	t risks of exposure to chemical agents at work Value
Carbon dioxide (CAS	TWA	9000 mg/m3
		5000 ppm
124-38-9)	TWA	5000 ppm 3000 mg/m3
124-38-9)	TWA	
124-38-9) Pentane (CAS 109-66-0) Croatia. Dangerous Substance E		3000 mg/m3
124-38-9) Pentane (CAS 109-66-0) Croatia. Dangerous Substance E Components Carbon dioxide (CAS	xposure Limit Values in the Work	3000 mg/m3 1000 ppm place (ELVs), Annexes 1 and 2, Narodne Novine, 13/09
124-38-9) Pentane (CAS 109-66-0) Croatia. Dangerous Substance E Components Carbon dioxide (CAS	xposure Limit Values in the Work Type	3000 mg/m3 1000 ppm place (ELVs), Annexes 1 and 2, Narodne Novine, 13/09 Value
124-38-9) Pentane (CAS 109-66-0) Croatia. Dangerous Substance E Components Carbon dioxide (CAS 124-38-9)	xposure Limit Values in the Work Type	3000 mg/m3 1000 ppm place (ELVs), Annexes 1 and 2, Narodne Novine, 13/09 Value 9000 mg/m3
Pentane (CAS 109-66-0) Croatia. Dangerous Substance E Components Carbon dioxide (CAS 124-38-9)	xposure Limit Values in the Work Type MAC	3000 mg/m3 1000 ppm place (ELVs), Annexes 1 and 2, Narodne Novine, 13/09 Value 9000 mg/m3 5000 ppm
Pentane (CAS 109-66-0) Croatia. Dangerous Substance E Components Carbon dioxide (CAS 124-38-9) Pentane (CAS 109-66-0) Czech Republic. OELs. Governm	xposure Limit Values in the Work Type MAC MAC	3000 mg/m3 1000 ppm place (ELVs), Annexes 1 and 2, Narodne Novine, 13/09 Value 9000 mg/m3 5000 ppm 3000 mg/m3
Pentane (CAS 109-66-0) Croatia. Dangerous Substance E Components Carbon dioxide (CAS 124-38-9) Pentane (CAS 109-66-0) Czech Republic. OELs. Governm Components Carbon dioxide (CAS	xposure Limit Values in the Work Type MAC MAC ent Decree 361	3000 mg/m3 1000 ppm place (ELVs), Annexes 1 and 2, Narodne Novine, 13/09 Value 9000 mg/m3 5000 ppm 3000 mg/m3 1000 ppm
124-38-9) Pentane (CAS 109-66-0)	xposure Limit Values in the Work Type MAC MAC ent Decree 361 Type	3000 mg/m3 1000 ppm place (ELVs), Annexes 1 and 2, Narodne Novine, 13/09 Value 9000 mg/m3 5000 ppm 3000 mg/m3 1000 ppm
Pentane (CAS 109-66-0) Croatia. Dangerous Substance E Components Carbon dioxide (CAS 124-38-9) Pentane (CAS 109-66-0) Czech Republic. OELs. Governm Components Carbon dioxide (CAS	xposure Limit Values in the Work Type MAC MAC ent Decree 361 Type Ceiling	3000 mg/m3 1000 ppm place (ELVs), Annexes 1 and 2, Narodne Novine, 13/05 Value 9000 mg/m3 5000 ppm 3000 mg/m3 1000 ppm Value 45000 mg/m3

Denmark. Exposure Limit Values Components	Туре	Value
Carbon dioxide (CAS 124-38-9)	TLV	9000 mg/m3
,		5000 ppm
Pentane (CAS 109-66-0)	TLV	1500 mg/m3
		500 ppm
Estonia. OELs. Occupational Expo Components	osure Limits of Hazardous Sub Type	ostances (Regulation No. 105/2001, Annex), as amended Value
Carbon dioxide (CAS	TWA	9000 mg/m3
124-38-9)		
- (0.0 (0.0)		5000 ppm
Pentane (CAS 109-66-0)	TWA	3000 mg/m3
		1000 ppm
Finland Components	Туре	Value
hydrocarbons,C6,isoalkane	TWA	500 mg/m3
s,< 5% n-hexane	1 VVA	ooo mg/ma
Finland. Workplace Exposure Lim		
Components	Туре	Value
Carbon dioxide (CAS 124-38-9)	TWA	9100 mg/m3
		5000 ppm
Pentane (CAS 109-66-0)	STEL	1900 mg/m3
		630 ppm
	TWA	1500 mg/m3
		500 ppm
France	_	
Components	Туре	Value
hydrocarbons,C6,isoalkane s,< 5% n-hexane	STEL	1500 mg/m3
	TWA	1000 mg/m3
		re to Chemicals in France, INRS ED 984 Value
Components Corbon diovide (CAS)	Type	
Carbon dioxide (CAS 124-38-9)	VME	9000 mg/m3
Regulatory status: Regulato	ry indicative (VRI)	
		5000 ppm
• •	ry indicative (VRI)	
Pentane (CAS 109-66-0)	VME	3000 mg/m3
Regulatory status: Regulato	ry binding (VRC)	1000 nnm
Regulatory status: Regulato	ry binding (VRC)	1000 ppm
Germany	· · · · · ·	
Components	Туре	Value
hydrocarbons,C6,isoalkane s,< 5% n-hexane	MAK	3000 mg/m3
Germany. DFG MAK List (advisory	OELs). Commission for the Ir	nvestigation of Health Hazards of Chemical Compounds
in the Work Area (DFG) Components	Туре	Value
Carbon dioxide (CAS 124-38-9)	TWA	9100 mg/m3
127-00-0)		5000 ppm
Pentane (CAS 109-66-0)	TWA	3000 mg/m3
		4000

1000 ppm

Germany - TRGS 900 Components	Туре	Value	
hydrocarbons,C6,isoalkane s,< 5% n-hexane	TWA	1500 mg/m3	
Germany. TRGS 900, Limit Values i Components	in the Ambient Air at the Workplace Type	Value	
Carbon dioxide (CAS	AGW	9100 mg/m3	
124-38-9)		5000 ppm	
Pentane (CAS 109-66-0)	AGW	3000 mg/m3	
,		1000 ppm	
Greece. OELs (Decree No. 90/1999,		Volue	
Components	Туре	Value	
Carbon dioxide (CAS 124-38-9)	STEL	54000 mg/m3	
		5000 ppm	
	TWA	9000 mg/m3	
		5000 ppm	
Pentane (CAS 109-66-0)	STEL	2950 mg/m3	
		1000 ppm	
	TWA	2950 mg/m3	
		1000 ppm	
Hungary. OELs. Joint Decree on Cl			
Components	Туре	Value	
Carbon dioxide (CAS 124-38-9)	TWA	9000 mg/m3	
Pentane (CAS 109-66-0)	TWA	2950 mg/m3	
Iceland. OELs. Regulation 154/1999 Components	on occupational exposure limits Type	Value	
Carbon dioxide (CAS	TWA	9000 mg/m3	
124-38-9)		5000 ppm	
Pentane (CAS 109-66-0)	TWA	1500 mg/m3	
rentane (CAS 109-00-0)	IWA	500 ppm	
		300 ррш	
Ireland. Occupational Exposure Lir Components		Value	
	Туре		
Carbon dioxide (CAS 124-38-9)	TWA	9000 mg/m3	
		5000 ppm	
Pentane (CAS 109-66-0)	TWA	3000 mg/m3	
		1000 ppm	
Italy. Occupational Exposure Limit	s		
Components	Туре	Value	
Carbon dioxide (CAS	TWA	9000 mg/m3	
124-38-9)		-	
		5000 ppm	
Pentane (CAS 109-66-0)	TWA	2000 mg/m3	
		667 ppm	
Latvia			
Components	Туре	Value	
hydrocarbons,C6,isoalkane s,< 5% n-hexane	STEL	300 mg/m3	
	TWA (AER)	100 mg/m3	

Latvia. OELs. Occupational expo Components	Sure limit values of chemical s Type	Value
Carbon dioxide (CAS 24-38-9)	TWA	9000 mg/m3
		5000 ppm
Pentane (CAS 109-66-0)	STEL	300 mg/m3
	TWA	3000 mg/m3
		1000 ppm
Lithuania. OELs. Limit Values fo Components	r Chemical Substances, Gener Type	ral Requirements Value
Carbon dioxide (CAS	TWA	9000 mg/m3
124-38-9)		
		5000 ppm
Pentane (CAS 109-66-0)	TWA	3000 mg/m3
		1000 ppm
Malta. OELs. Occupational Expos Schedules I and V)	sure Limit Values (L.N. 227. of	Occupational Health and Safety Authority Act (CAP. 424
Components	Туре	Value
Carbon dioxide (CAS 124-38-9)	TWA	9000 mg/m3
		5000 ppm
Pentane (CAS 109-66-0)	TWA	3000 mg/m3
		1000 ppm
Netherlands. OELs (binding)	_	
Components	Туре	Value
Carbon dioxide (CAS 124-38-9)	TWA	9000 mg/m3
Pentane (CAS 109-66-0)	TWA	1800 mg/m3
Norway. Administrative Norms fo Components	or Contaminants in the Workpla Type	ace Value
Carbon dioxide (CAS	TLV	9000 mg/m3
24-38-9)		5000
		5000 ppm
Pentane (CAS 109-66-0)	TLV	750 mg/m3
		250 ppm
		on 6 June 2014 on the maximum permissible work environment, Journal of Laws 2014, item 817 Value
Carbon dioxide (CAS	STEL	27000 mg/m3
124-38-9)	0122	27 000 mg/mo
		0 ppm
	TWA	9000 mg/m3
		0 ppm
Pentane (CAS 109-66-0)	TWA	3000 mg/m3
		0 ppm
Portugal. OELs. Decree-Law n. 29	90/2001 (Journal of the Republ	ic - 1 Series A, n.266)
Portugal. OELs. Decree-Law n. 29 Components	90/2001 (Journal of the Republ Type	ic - 1 Series A, n.266) Value
Components Carbon dioxide (CAS	Туре	Value
Components Carbon dioxide (CAS	Туре	Value 9000 mg/m3

Carbon dioxide (CAS	STEL	30000 ppm
24-38-9)		
(0.40,400,00,0)	TWA	5000 ppm
Pentane (CAS 109-66-0)	TWA	1000 ppm
Romania. OELs. Protection of workers Components	from exposure to chemical Type	agents at the workplace Value
Carbon dioxide (CAS 24-38-9)	TWA	9000 mg/m3
20mtono (CAS 100 CS 0)	TWA	5000 ppm
Pentane (CAS 109-66-0)	IVVA	3000 mg/m3 1000 ppm
No. 11. OF L. B. Left A. N. 200/00	>=	• •
lovakia. OELs. Regulation No. 300/200 Components	7 concerning protection of Type	Value
Carbon dioxide (CAS	TWA	9000 mg/m3
24-38-9)		
(0.40,400,00,0)	T14/4	5000 ppm
Pentane (CAS 109-66-0)	TWA	3000 mg/m3
		1000 ppm
Slovenia. OELs. Regulations concernin Official Gazette of the Republic of Slov		ainst risks due to exposure to chemicals while work
Components	Туре	Value
Carbon dioxide (CAS	TWA	9000 mg/m3
24-38-9)		F000 nors
Ocarton - (CAS 400 CC 0)	T10/0	5000 ppm
Pentane (CAS 109-66-0)	TWA	3000 mg/m3
		1000 ppm
Spain. Occupational Exposure Limits Components	Туре	Value
Carbon dioxide (CAS	TWA	9150 mg/m3
24-38-9)	IVVA	3 130 Hig/Hi3
		5000 ppm
Pentane (CAS 109-66-0)	TWA	3000 mg/m3
		1000 ppm
Sweden		
Components	Туре	Value
nydrocarbons,C6,isoalkane	STEL (STV)	300 ppm
s,< 5% n-hexane	TWA	200 ppm
Sweden. OELs. Work Environment Aut		* *
Carbon dioxide (CAS 24-38-9)	STEL	18000 mg/m3
		10000 ppm
	TWA	9000 mg/m3
		5000 ppm
Pentane (CAS 109-66-0)	STEL	2000 mg/m3
		750 ppm
	TWA	1800 mg/m3

Components	Туре	Value
hydrocarbons,C6,isoalkane s,< 5% n-hexane	TWA	500 ppm
Switzerland. SUVA Grenzwert	e am Arbeitsplatz	
Components	Туре	Value
Carbon dioxide (CAS 124-38-9)	TWA	9000 mg/m3
		5000 ppm
Pentane (CAS 109-66-0)	STEL	3600 mg/m3
		1200 ppm
	TWA	1800 mg/m3
		600 ppm
UK. EH40 Workplace Exposur	re Limits (WELs)	
Components	Ту́ре	Value
Carbon dioxide (CAS 124-38-9)	STEL	27400 mg/m3
		15000 ppm
	TWA	9150 mg/m3
		5000 ppm
Pentane (CAS 109-66-0)	TWA	1800 mg/m3
		600 ppm
EU. Indicative Exposure Limit	Values in Directives 91/322/EEC,	2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU
Components	Туре	Value
Carbon dioxide (CAS 124-38-9)	TWA	9000 mg/m3
		5000 ppm
Pentane (CAS 109-66-0)	TWA	3000 mg/m3
		1000 ppm
ogical limit values	No biological exposure limits noted for the ingredient(s).	

Biological limit values

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

Recommended monitoring

procedures

Follow standard monitoring procedures.

Derived no effect levels (DNELs)

General Population

Components	Value	Assessment factor	Notes
hydrocarbons,C6,isoalkanes,< 5% n-hexa	ne (CAS EC931-254-9)		
Long-term, Systemic, Dermal Long-term, Systemic, Inhalation Long-term, Systemic, Oral	1377 mg/kg bw/day 1131 mg/kg bw/day 1301 mg/kg bw/day		
Pentane (CAS 109-66-0)			
Long-term, Systemic, Dermal Long-term, Systemic, Inhalation	214 mg/kg bw/day 643 mg/m3	5 5	Repeated dose toxicity Repeated dose toxicity
Workers			
Components	Value	Assessment factor	Notes
hydrocarbons,C6,isoalkanes,< 5% n-hexa	ne (CAS EC931-254-9)		
Long-term, Systemic, Dermal Long-term, Systemic, Inhalation	13964 mg/kg bw/day 5306 mg/m3		
Pentane (CAS 109-66-0)			
Long-term, Systemic, Dermal Long-term, Systemic, Inhalation	432 mg/kg bw/day 3000 mg/m3	3 3	Repeated dose toxicity Repeated dose toxicity
dicted no effect concentrations (PNECs)			
Components	Value	Assessment factor	Notes
Pentane (CAS 109-66-0)			
Freshwater Sediment (freshwater)	230 μg/l 1,2 mg/kg	1	
Soil	0,55 mg/kg	1	

Material name: TUNER 600 - Kontakt chemie - Europe

BDS000269AE Version #: 01 Issue date: 08-March-2022

8.2. Exposure controls

Appropriate engineering

controls

Good general ventilation 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 and safety shower.

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

Eye/face protection

Wear safety glasses with side shields (or goggles). Use eye protection conforming to EN 166.

Skin protection

- Hand protection

When handling the product wear chemical-resistant gloves (standard EN 374). The breakthrough time of the glove should be longer than the total duration of product use. If work lasts longer than the breakthrough time, gloves should be changed part-way through. Full contact: Glove material: nitrile. Use gloves with breakthrough time of 30 minutes. Minimum glove thickness 0.38 mm.

- Other

Wear appropriate chemical resistant clothing.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. Chemical respirator with

organic vapour cartridge and full facepiece. (Filter type AX)

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. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. Fume scrubbers, filters or engineering modifications to the process equipment may be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Liquid. **Form** Aerosol. Colourless. Colour Odour Solvent.

Melting point/freezing point

> 40 °C (> 104 °F)

-129,7 °C (-201,5 °F) estimated

Boiling point or initial boiling

point and boiling range

Flammability (solid, gas) Not available.

Upper/lower flammability or explosive limits

Explosive limit - lower (%) 1 % estimated

Explosive limit - upper (%)

7.8 % estimated

Not applicable.

Flash point < 0 °C (< 32,0 °F) Closed cup

> 200 °C (> 392 °F) **Auto-ignition temperature Decomposition temperature** Not available.

Solubility(ies)

pН

Insoluble in water Solubility (water) Vapour pressure 3567,5 hPa estimated

> 1 Vapour density

20 °C (68 °F) Vapour density temp. Relative density 0,65 g/cm3 at 20°C Particle characteristics Not available.

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No relevant additional information available.

9.2.2. Other safety characteristics

Evaporation rate 1 (Ether=1)

Material name: TUNER 600 - Kontakt chemie - Europe BDS000269AE Version #: 01 Issue date: 08-March-2022 **Explosive properties** Not explosive.

Heat of combustion 19,78 kJ/g estimated

Not oxidising. Oxidising properties

VOC 620 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity The 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 avoid Avoid high temperatures.

10.5. Incompatible materials Strong oxidising agents. Aluminium.

10.6. Hazardous Carbon oxides.

decomposition products

SECTION 11: Toxicological information

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

Information on likely routes of exposure

Inhalation May cause drowsiness or dizziness. Headache. Nausea, vomiting. Prolonged inhalation may be

harmful

Skin contact Causes skin irritation.

Direct contact with eyes may cause temporary irritation. Eye contact

Ingestion May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of

occupational exposure.

May cause drowsiness or dizziness. Headache. Nausea, vomiting. Skin irritation. May cause **Symptoms**

redness and pain.

11.1. Information on toxicological effects

Acute toxicity Classification based on calculation method. Based on available data, the classification criteria are

not met.

Product Species Test Results

TUNER 600

Acute

Oral

4079 mg/kg LD50 Rat Components **Species Test Results**

hydrocarbons, C6, isoalkanes, < 5% n-hexane

Acute

Dermal

LD50 Rabbit 3350 mg/kg, 4 h

Inhalation

LD50 Rat 259354 mg/m3

Oral

LD50 Rat 16750 mg/kg

Pentane (CAS 109-66-0)

Acute

Dermal

LD50 Rabbit > 3000 mg/kg

Inhalation

LC50 Rat 364 mg/l, 4 Hours

Oral

LD50 Rat > 5000 mg/kg

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/eye

irritation

Direct contact with eyes may cause temporary irritation.

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

Material name: TUNER 600 - Kontakt chemie - Europe

BDS000269AE Version #: 01 Issue date: 08-March-2022 12 / 16 **Germ cell mutagenicity**Based on available data, the classification criteria are not met. **Carcinogenicity**Based on available data, the classification criteria are not met.

Hungary. 26/2000 EüM Ordinance on protection against and preventing risk relating to exposure to carcinogens at work (as amended)

Not listed.

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

Specific target organ toxicity -

single exposure

May cause drowsiness or dizziness.

Specific target organ toxicity -

repeated exposure

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

Aspiration hazard Not likely, due to the form of the product.

Mixture versus substance

information

Not available.

11.2. Information on other hazards

Endocrine disrupting

properties

The product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or regulation (EU) 2017/2100 or Commission Regulation (EU)

2018/605 at levels of 0.1% or higher.

Other information Not available.

SECTION 12: Ecological information

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

Components		Species	Test Results	
hydrocarbons,C6,isoalkan	es,< 5% n-hexane			
Acute				
Other	EC50	Pseudokirchnerella subcapitata	13,6 mg/l, 72 hours	
	NOEC	Pseudokirchnerella subcapitata	3 mg/l, 72 hours	
Aquatic				
Acute				
Crustacea	EC50	Daphnia magna	31,9 mg/l, 48 hours	
	NOEC	Daphnia magna	7,14 mg/l, 21 days	
Fish	EC50	Rainbow trout	18,3 mg/l, 96 hours	
	NOEC	Rainbow trout	4,09 mg/l, 28 days	

12.2. Persistence and degradability

No data is available on the degradability of any ingredients in the mixture.

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water (log Kow)

Pentane 3,39

Bioconcentration factor (BCF) Not available.

12.4. Mobility in soil No data available.

12.5. Results of PBT and vPvB

assessment

This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (FC) No. 1007/2006. Appear XIII

(EC) No 1907/2006, Annex XIII.

12.6. Endocrine disrupting

properties

The product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or regulation (EU) 2017/2100 or Commission Regulation (EU)

2018/605 at levels of 0.1% or higher.

12.7. Other adverse effectsThe product contains volatile organic compounds which have a photochemical ozone creation potential.

GWP: 2

Substance Global Warming Potential per (Annex IV), Regulation 517/2014/EU on fluorinated greenhouse gases, as amended

5

Pentane (CAS 109-66-0)

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Residual waste Dispose

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).

Material name: TUNER 600 - Kontakt chemie - Europe

BDS000269AE Version #: 01 Issue date: 08-March-2022

13 / 16

Contaminated packaging 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. 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.

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

egulations

Special precautions Dispose in accordance with all applicable regulations.

SECTION 14: Transport information

ADR

14.1. UN number UN1950

14.2. UN proper shipping AEROSOLS, flammable

name

14.3. Transport hazard class(es)

Class 2.1 Subsidiary risk -Label(s) 2.1

Hazard No. (ADR) Not available.

Tunnel restriction code D

14.4. Packing group Not available.

14.3. Transport hazard class(es)
ADR/RID - Classification 5F

code:

14.5. Environmental hazards Yes

14.6. Special precautions Read safety instructions, SDS and emergency procedures before handling.

for user

IATA

14.1. UN number UN1950

14.2. UN proper shipping Aerosols, flammable

name

14.3. Transport hazard class(es)

Class 2.1 Subsidiary risk -

14.4. Packing group Not available.

14.5. Environmental hazards Yes **ERG Code** 10L

14.6. Special precautions Read safety instructions, SDS and emergency procedures before handling.

for user

Other information

Passenger and cargo Allowed with restrictions.

aircraft

Cargo aircraft only Allowed with restrictions.

IMDG

14.1. UN number UN1950

14.2. UN proper shipping Aerosols, flammable, MARINE POLLUTANT

name

14.3. Transport hazard class(es)
Class 2.1
Subsidiary risk -

14.4. Packing group Not available.

14.5. Environmental hazards

Marine pollutant

F-D, S-U

14.6. Special precautions

for user

Read safety instructions, SDS and emergency procedures before handling.

14.7. Maritime transport in bulk Not established.

according to IMO instruments

Material name: TUNER 600 - Kontakt chemie - Europe BDS000269AE Version #: 01 Issue date: 08-March-2022

ADR; IATA; IMDG



Marine pollutant



SECTION 15: Regulatory information

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

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended Not listed.

Regulation (EU) 2019/1021 On persistent organic pollutants (recast), as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended Carbon dioxide (CAS 124-38-9)

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA Not listed.

Authorisations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended Not listed.

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended.

Not listed.

Other EU regulations

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

Pentane (CAS 109-66-0)

Other regulations The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP

Regulation) as amended. This Safety Data Sheet complies with the requirements of Regulation

(EC) No 1907/2006, as amended.

National regulations Follow national regulation for work with chemical agents in accordance with Directive 98/24/EC, as

amended.

15.2. Chemical safety

No Chemical Safety Assessment has been carried out.

assessment

SECTION 16: Other information

List of abbreviations

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. ADR: European Agreement Concerning the International Carriage of Dangerous Goods by Road.

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

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

CAS: Chemical Abstract Service.

Ceiling: Short Term Exposure Limit Ceiling value.

CEN: European Committee for Standardization.

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

GWP: Global Warming Potential.

IATA: International Air Transport Association.

IBC Code: International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk.

IMDG: International Maritime Dangerous Goods.

MAC: Maximum Allowed Concentration.

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

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

PBT: Persistent, bioaccumulative and toxic.

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).

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail.

STEL: Short term exposure limit. TLV: Threshold Limit Value. TWA: Time Weighted Average. VLE: Exposure Limit Value. VME: Exposure Average Value.

vPvB: Very persistent and very bioaccumulative.

STEL: Short-term Exposure Limit.

VOC: Volatile organic compounds.

References

Information on evaluation method leading to the classification of mixture

Full text of any H-statements not written out in full under Sections 2 to 15

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

H225 Highly 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.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

Revision information

Training information

Disclaimer

None.

Follow training instructions when handling this material.

CRC Industries Europe byba cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available. Apart from any fair dealing for purposes of study, research and review of health, safety and environmental risks, no part of these documents may be reproduced by any process without written permission from CRC.