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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

BIZOL Gasoline System Clean+ g80

Further trade names

UFI: YRF2-T0RD-P00E-E3GU

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

Additive

1.3. Details of the supplier of the safety data sheet

Company name:	BIZOL BITA Trading GmbH	
Street:	Martin-Buber-Str. 12	
Place:	D-14163 Berlin	
Telephone:	+49 (30) 804 869-0	Telefax: +49 (30) 804 869-2860
e-mail:	support@bizol.de	
Internet:	www.bizol.com	

1.4. Emergency telephone number:

Germany: +49 (30) 804 869-0 (08.00-17.00, Mo-Fr)
In England and Wales: NHS Direct: 0845 4647 or 111 In Scotland: NHS 24 - 08454 24 24 24 In Republic of Ireland: 01 809 2166

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

Hazard categories:

Aspiration hazard: Asp. Tox. 1

Respiratory or skin sensitisation: Skin Sens. 1

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

May be fatal if swallowed and enters airways.

May cause an allergic skin reaction.

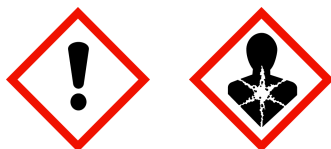
Harmful to aquatic life with long lasting effects.

2.2. Label elements**Regulation (EC) No. 1272/2008****Hazard components for labelling**

hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30%)

(tetrapropenyl)succinic acid

Signal word: Danger**Pictograms:****Hazard statements**

H317 May cause an allergic skin reaction.

H304 May be fatal if swallowed and enters airways.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P280 Wear protective gloves and eye/face protection.

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

P331 Do NOT induce vomiting.

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Special labelling of certain mixtures

EUH066 Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

Results of PBT and vPvB assessment: not applicable.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
	hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)			25 - < 50 %
	925-653-7		01-2119458869-15	
	Asp. Tox. 1, Aquatic Chronic 3; H304 H412			
	hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30%)			25 - < 50 %
	920-360-0		01-2119448343-41	
	Asp. Tox. 1; H304 EUH066			
64742-94-5	solvent naphtha (petroleum), heavy aromatic			5 - < 10 %
	265-198-5	649-424-00-3	01-2119510128-50	
	Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H315 H336 H304 H411			
	polyether polyol			5 - < 10 %
	Aquatic Chronic 3; H412			
	polyolefin alkyl phenol alkyl amine			5 - < 10 %
	Skin Irrit. 2; H315			
95-63-6	1,2,4-trimethylbenzene			< 2,5 %
	202-436-9	601-043-00-3	01-2119472135-42	
	Flam. Liq. 3, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, STOT SE 3, Aquatic Chronic 2; H226 H332 H315 H319 H335 H411			
91-20-3	naphthalene			< 1 %
	202-049-5	601-052-00-2	01-2119561346-37	
	Carc. 2, Acute Tox. 4, Aquatic Acute 1, Aquatic Chronic 1; H351 H302 H400 H410			
27859-58-1	(tetrapropenyl)succinic acid			< 0,5 %
	248-698-8		01-2120752504-57	
	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1A, Aquatic Chronic 4; H315 H319 H317 H413			

Full text of H and EUH statements: see section 16.

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Specific Conc. Limits, M-factors and ATE

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		Specific Conc. Limits, M-factors and ATE	
	925-653-7	hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	25 - < 50 %
		dermal: LD50 = > 3400 mg/kg; oral: LD50 = > 15000 mg/kg	
	920-360-0	hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30%)	25 - < 50 %
		inhalation: LC50 = > 5,28 mg/l (dusts or mists); dermal: LD50 = > 2000,0 mg/kg; oral: LD50 = > 4150 mg/kg	
95-63-6	202-436-9	1,2,4-trimethylbenzene	< 2,5 %
		inhalation: LC50 = 18 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); oral: LD50 = 5000 mg/kg	
91-20-3	202-049-5	naphthalene	< 1 %
		inhalation: LC50 = > 110 mg/l (dusts or mists); dermal: LD50 = > 2500 mg/kg; oral: LD50 = 490 mg/kg	

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

When in doubt or if symptoms are observed, get medical advice. If unconscious but breathing normally, place in recovery position and seek medical advice. Remove contaminated, saturated clothing immediately.

After inhalation

Remove casualty to fresh air and keep warm and at rest.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap.

After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

After ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Let water be drunken in little sips (dilution effect). Call a physician immediately. Do NOT induce vomiting.

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

When in doubt or if symptoms are observed, get medical advice.

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

No information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

alcohol resistant foam, Extinguishing powder, Carbon dioxide (CO₂).

Unsuitable extinguishing media

Full water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products: Carbon monoxide Carbon dioxide (CO₂). Do not inhale explosion and combustion gases.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Do not allow to enter into soil/subsoil.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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General measures

Protective measures: see section 7 + 8.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Clean contaminated articles and floor according to the environmental legislation.

6.3. Methods and material for containment and cleaning up

Other information

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

Protective measures: see section 7 + 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Use personal protection equipment. Do not eat, drink or smoke when using this product. Provide fresh air. Handle and open container with care. Conditions to avoid: generation/formation of aerosols.

Advice on protection against fire and explosion

No special measures are necessary.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Protect against: Frost. Keep away from heat. Protect from direct sunlight. Keep container tightly closed in a cool, well-ventilated place.

7.3. Specific end use(s)

Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
91-20-3	Naphthalene	10	50		TWA (8 h)	EU
95-63-6	Trimethylbenzenes: 1,2,4-Trimethylbenzene	25	125		TWA (8 h)	WEL

DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
95-63-6	1,2,4-trimethylbenzene			
	Worker DNEL, acute	inhalation	systemic	100 mg/m ³
	Worker DNEL, acute	inhalation	local	100 mg/m ³
	Worker DNEL, long-term	dermal	systemic	16171 mg/kg bw/day
	Worker DNEL, long-term	inhalation	systemic	100 mg/m ³
	Consumer DNEL, acute	inhalation	systemic	29,4 mg/m ³
	Consumer DNEL, long-term	inhalation	local	29,4 mg/m ³
	Consumer DNEL, long-term	dermal	systemic	9512 mg/kg bw/day
	Consumer DNEL, long-term	inhalation	systemic	29,4 mg/m ³
	Consumer DNEL, long-term	oral	systemic	15 mg/kg bw/day

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PNEC values

CAS No	Substance	
Environmental compartment		Value
95-63-6	1,2,4-trimethylbenzene	
Freshwater		0,12 mg/l
Marine water		0,12 mg/l
Freshwater sediment		13,5 mg/kg
Marine sediment		13,56 mg/kg

8.2. Exposure controls

Appropriate engineering controls

See section 7. No additional measures necessary.

Protective and hygiene measures

When using do not eat, drink, smoke, sniff.

Eye/face protection

Eye glasses with side protection.

Hand protection

Wear suitable gloves. Recommended glove articles: EN ISO 374. Suitable material: PVC (polyvinyl chloride). Breakthrough time: > 240 min (Thickness of the glove material: 0.8 mm). Breakthrough times and swelling properties of the material must be taken into consideration. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

Skin protection

Protective clothing.

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required. When splashes or fine mist form, a permitted breathing apparatus suitable for these purposes must be used. Suitable respiratory protection apparatus: Filtering Half-face mask (DIN EN 149), e.g. FFA P / FFP3.

Environmental exposure controls

Do not allow to enter into surface water or drains.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	light yellow
Odour:	characteristic
pH-Value:	not applicable
Changes in the physical state	
Melting point:	not determined
Boiling point or initial boiling point and boiling range:	> 160 °C
Pour point:	not determined
Flash point:	> 61 °C
Lower explosion limits:	not determined
Upper explosion limits:	not determined
Auto-ignition temperature:	not determined
Decomposition temperature:	No information available.
Vapour pressure:	not determined
Density (at 20 °C):	0,765 g/cm ³
Water solubility:	insoluble

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Partition coefficient n-octanol/water:	not determined
Viscosity / dynamic:	not determined
Viscosity / kinematic: (at 40 °C)	< 20,5 mm ² /s
Flow time:	not determined
Relative vapour density:	not determined
Evaporation rate:	not determined

9.2. Other information

No information available.

SECTION 10: Stability and reactivity**10.1. Reactivity**

No information available.

10.2. Chemical stability

No information available.

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoid

Heat.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No information available.

SECTION 11: Toxicological information**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity**

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

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
	hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)				
	oral	LD50 > 15000 mg/kg	Rat		
	dermal	LD50 > 3400 mg/kg	Rat		
	hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30%)				
	oral	LD50 > 4150 mg/kg	Rat	ECHA Dossier	
	dermal	LD50 > 2000,0 mg/kg	Rabbit	ECHA Dossier	
	inhalation (4 h) aerosol	LC50 > 5,28 mg/l	Rat	ECHA Dossier	
95-63-6	1,2,4-trimethylbenzene				
	oral	LD50 5000 mg/kg	Rat	RTECS	
	inhalation (4 h) vapour	LC50 18 mg/l	Rat	RTECS	
	inhalation aerosol	ATE 1,5 mg/l			
91-20-3	naphthalene				
	oral	LD50 490 mg/kg	Rat		
	dermal	LD50 > 2500 mg/kg	Rat		
	inhalation (4 h) aerosol	LC50 > 110 mg/l			

Irritation and corrosivity

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

Sensitising effects

May cause an allergic skin reaction. ((tetrapropenyl)succinic acid)

Carcinogenic/mutagenic/toxic effects for reproduction

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

STOT-single exposure

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

STOT-repeated exposure

Repeated exposure may cause skin dryness or cracking.

Aspiration hazard

May be fatal if swallowed and enters airways.

11.2. Information on other hazards
Other information

Keeping to the general worker's protection rules and the industrial hygienics, there is no risk in handling this product through the personnel.

SECTION 12: Ecological information
12.1. Toxicity

There are no data available on the mixture itself.

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
91-20-3	naphthalene					
	Acute fish toxicity	LC50 mg/l	0,51	96 h		
	Acute crustacea toxicity	EC50 mg/l	2,19	48 h	Daphnia magna (Big water flea)	

12.2. Persistence and degradability

There are no data available on the mixture itself.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
	hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)			
	Biodegradation	74,7%	28	
	Readily biodegradable (according to OECD criteria).			
	hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30%)			
	OECD 301F/ ISO 9408/ EEC 92/69/V, C.4-D	60,7%	28	ECHA Dossier
	Readily biodegradable (according to OECD criteria).			

12.3. Bioaccumulative potential

There are no data available on the mixture itself.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
	hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30%)	> 3,50
95-63-6	1,2,4-trimethylbenzene	3,63
91-20-3	naphthalene	3,3

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

No data available

12.7. Other adverse effects

No data available

SECTION 13: Disposal considerations
13.1. Waste treatment methods
Disposal recommendations

Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to EC directives 75/442/EEC and 91/689/EEC in the corresponding versions, covering waste and dangerous waste.

List of Wastes Code - residues/unused products

070704 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fine chemicals and chemical products not otherwise specified; other organic solvents, washing liquids and mother liquors; hazardous waste

Contaminated packaging

Non-contaminated packages may be recycled. Consult the appropriate local waste disposal expert about waste disposal.

SECTION 14: Transport information
Land transport (ADR/RID)
14.1. UN number:

No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

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14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.**14.4. Packing group:** No dangerous good in sense of this transport regulation.**Marine transport (IMDG)****14.1. UN number:** No dangerous good in sense of this transport regulation.**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.**14.4. Packing group:** No dangerous good in sense of this transport regulation.

Marine pollutant: NO

Air transport (ICAO-TI/IATA-DGR)**14.1. UN number:** No dangerous good in sense of this transport regulation.**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.**14.4. Packing group:** No dangerous good in sense of this transport regulation.**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No data available

14.7. Maritime transport in bulk according to IMO instruments

No data available

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3

2010/75/EU (VOC): not determined

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

National regulatory information

Water hazard class (D): 2 - obviously hazardous to water

15.2. Chemical safety assessment

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

SECTION 16: Other information**Changes**

This data sheet contains changes from the previous version in section(s): 1,2,3,7,8,9,13,14,15.

Abbreviations and acronyms

ADR: Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement concernant le transport international ferroviaire des marchandises dangereuses (Regulations concerning the International Carriage of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

CAS: Chemical Abstracts Service (a division of the American Chemical Society)

DNEL/DMEL: Derived No-Effect Level / Derived Minimal Effect Level

PNEC: Predicted No Effect Concentration

WEL (UK): Workplace Exposure Limits

TWA (EC): Time-Weighted Average

STEL (EC): Short Term Exposure Limit

ATE: Acute Toxicity Estimate

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LD50: Lethal Dose, 50% (median lethal dose)
LC50: Lethal Concentration, 50% (median lethal concentration)
EC50: half maximal Effective Concentration
ErC50: EC50 in terms of reduction of growth rate
AwSV: Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen

Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

Classification	Classification procedure
Asp. Tox. 1; H304	Calculation method
Skin Sens. 1; H317	Calculation method
Aquatic Chronic 3; H412	Calculation method

Relevant H and EUH statements (number and full text)

H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
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.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H351 Suspected of causing cancer.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.
H413 May cause long lasting harmful effects to aquatic life.
EUH066 Repeated exposure may cause skin dryness or cracking.

Further Information

Safety Data Sheet according to COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

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.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)