Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878 Issue date: 8-5-2014 Revision date: 16-5-2022 Supersedes: 12-1-2021 Version: 4.1

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

1.1. Product identifier

Product form	: Mixture
Product name	: B&S Fuel Fit
UFI	: G868-8RMQ-8821-NA6R
Product code	: V114550003
Product group	: Trade product

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

1.2.1. Relevant identified uses

Intended for general public Main use category Use of the substance/mixture

: Industrial use,professional use,Consumer use: Organic solvent

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Briggs&Stratton AG Wolleraustrasse 41 B 8807 FREIENBACH T 0243-723628 - F 024-3776291 engelen.jeroen@basco.com

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	Beaumont Hospital Beaumont Road 9 Dublin	: +353 1 8379964	
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
Malta	Medicines & Poisons Info Office	Mater Dei Hospital MSD 2090 Msida	+356 2545 6508	
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Cardiff Centre) University Hospital Llandough	Penlan Road CF64 2XX Llandough	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Edinburgh Centre) Royal Infirmary of Edinburgh	Little France Crescent EH16 4SA Edinburgh	0344 892 0111	Only for healthcare professionals
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	+44 20 7188 7188	
United Kingdom	National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre	16/17 Framlington Place Newcastle-upon-Tyne NE2 4AB Newcastle	0344 892 0111	Only for healthcare professionals

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA Belfast	0344 892 0111	Only for healthcare professionals

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]Mixtures/Substances: SDS EU > 2015: According to Regulation (EU) 2015/830, 2020/878 (REACH Annex II)

Specific target organ toxicity — Repeated exposure, Category 1	H372
Aspiration hazard, Category 1	H304
Hazardous to the aquatic environment — Chronic Hazard, Category 3	H412
Full text of H-statements: see section 16	

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Hazard pictograms (CLP)

	GHS08
CLP Signal word	: Danger
Contains	: Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%); Hydrocarbons, C10, Aromatics, <1% Naphthalene
Hazard statements (CLP)	: H304 - May be fatal if swallowed and enters airways.
	H372 - Causes damage to organs (central nervous system) through prolonged or repeated exposure (Inhalation).
	H412 - Harmful to aquatic life with long lasting effects.
Precautionary statements (CLP)	: P102 - Keep out of reach of children.
	P260 - Do not breathe mist, spray, vapours.
	P270 - Do not eat, drink or smoke when using this product.
	P301+P310+P331 - IF SWALLOWED: Immediately call a doctor, a POISON CENTER. Do NOT induce vomiting.
	P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
EUH-statements	: EUH066 - Repeated exposure may cause skin dryness or cracking.
Child-resistant fastening	: Applicable
Tactile warning	: Applicable
2.3. Other hazards	
Other hazards not contributing to the classification	: This product floats on water and may affect the oxygen-balance in the water. Material can accumulate some static charge during transfer. Flammable or explosive vapour/air mixtures

may be formed.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

Safety Data Sheet

Name	Product identifier	%	Classification according to
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) substance with a Community workplace exposure limit	EC-No.: 919-164-8 REACH-no: 01-2119473977- 17	≥ 50	STOT RE 1, H372 Asp. Tox. 1, H304 Aquatic Chronic 3, H412
Hydrocarbons, C10, Aromatics, <1% Naphthalene	CAS-No.: 1189173-42-9 EC-No.: 918-811-1 REACH-no: 01-2119463583- 34	10 – 25	STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
2,6-Di-tert-butylphenol	CAS-No.: 128-39-2 EC-No.: 204-884-0 REACH-no: 01-2119490822- 33	0,1 – 1	Skin Irrit. 2, H315 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Naphthalene substance with national workplace exposure limit(s) (IE, MT); substance with a Community workplace exposure limit	CAS-No.: 91-20-3 EC-No.: 202-049-5 EC Index-No.: 601-052-00-2 REACH-no: 01-2119561346- 37	0,1 – 1	Acute Tox. 4 (Oral), H302 Carc. 2, H351 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,6-Di-tert-butyl-p-cresol substance with national workplace exposure limit(s) (GB, IE); substance with a Community workplace exposure limit	CAS-No.: 128-37-0 EC-No.: 204-881-4 REACH-no: 01-2119555270- 46	< 0,1	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Xylene, mixture of isomers substance with national workplace exposure limit(s) (GB, IE, MT); substance with a Community workplace exposure limit	CAS-No.: 1330-20-7 EC-No.: 215-535-7 REACH-no: 01-2119488216- 32	< 0,1	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Acute 1, H400
Benzene, 1,2,4-trimethyl- substance with national workplace exposure limit(s) (IE, MT); substance with a Community workplace exposure limit	CAS-No.: 95-63-6 EC-No.: 202-436-9	< 0,1	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Chronic 2, H411
mesitylene substance with national workplace exposure limit(s) (IE, MT); substance with a Community workplace exposure limit	CAS-No.: 108-67-8 EC-No.: 203-604-4 REACH-no: 01-2119463878- 19	< 0,1	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Chronic 2, H411
Diphenylamine substance with national workplace exposure limit(s) (GB, IE)	CAS-No.: 122-39-4 EC-No.: 204-539-4 EC Index-No.: 612-026-00-5 REACH-no: 01-2119488966- 13	< 0,1	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Eye Dam. 1, H318 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2-Ethylhexan-1-ol substance with national workplace exposure limit(s) (GB, IE, MT); substance with a Community workplace exposure limit	CAS-No.: 104-76-7 EC-No.: 203-234-3	< 0,1	Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Cumene substance with national workplace exposure limit(s) (GB, IE, MT); substance with a Community workplace exposure limit	CAS-No.: 98-82-8 EC-No.: 202-704-5	< 0,1	Flam. Liq. 3, H226 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 2, H411

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

SECTION 4: First aid measures

4.1. Description of first aid measures	
First-aid measures general First-aid measures after inhalation	 Seek medical attention if ill effect develops. When symptoms occur: go into open air and ventilate suspected area. Allow the victim to support the sector of a low of the sector.
First-aid measures after skin contact	 rest. If you feel unwell, seek medical advice. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Seek medical attention if ill effect or irritation develops.
First-aid measures after eye contact	: Ensure adequate flushing of eyes by separating eyelids with the fingers. Obtain medical attention if pain, blinking, tears or redness persist.
First-aid measures after ingestion	: Do not induce vomiting. If vomiting occurs spontaneously, keep head below the hips to prevent aspiration. Vomiting after ingestion may cause aspiration into the lungs, which may cause severe lungdamage or death.
4.2. Most important symptoms and effects	, both acute and delayed
4.2. Most important symptoms and effects Symptoms/effects after inhalation	 both acute and delayed Harmful if inhaled. High concentration of vapours may induce: headache, dizziness, drowsiness, nausea and vomiting.
	 Harmful if inhaled. High concentration of vapours may induce: headache, dizziness, drowsiness, nausea and vomiting. Unlikely to cause harm to the skin on brief or occasional contact but prolonged or repeated
Symptoms/effects after inhalation	 Harmful if inhaled. High concentration of vapours may induce: headache, dizziness, drowsiness, nausea and vomiting.
Symptoms/effects after inhalation Symptoms/effects after skin contact	 Harmful if inhaled. High concentration of vapours may induce: headache, dizziness, drowsiness, nausea and vomiting. Unlikely to cause harm to the skin on brief or occasional contact but prolonged or repeated exposure may lead to dermatitis. Unlikely to cause more than transient stinging or redness if accidental eye contact occurs. Contact with the eyes is likely to be irritating. Harmful: may cause lung damage if

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

Treat symptomatically.

SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media Unsuitable extinguishing media	 carbon dioxide (CO2), dry chemical powder, foam. Water fog. Do not use a heavy water stream. Use of heavy stream of water may spread fire.
5.2. Special hazards arising from the subst	ance or mixture
Fire hazard Explosion hazard Hazardous decomposition products in case of fire	 Combustion generates: CO, CO2. May form flammable/explosive vapour-air mixture. CO, CO2.
5.3. Advice for firefighters	
Precautionary measures fire Firefighting instructions Protection during firefighting Other information	 Do not enter fire area without proper protective equipment, including respiratory protection. Use water spray or fog for cooling exposed containers. Use self-contained breathing apparatus and chemically protective clothing. Prevent fire fighting water from entering the environment. Sweep up and remove to a suitable, clearly marked container for disposal in accordance with local regulations. Heavier than air, vapours may travel long distances along ground, ignite and flash back to source.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

SECTION 6: Accidental release mea	asures
6.1. Personal precautions, protective e	quipment and emergency procedures
General measures	: Prevent soil and water pollution. Spill area may be slippery. Prevent build-up of electrostatic charges (e.g, by grounding). Remove all sources of ignition.
6.1.1. For non-emergency personnel	
Protective equipment	 Inhalation may cause irritation (cough, short breathing, difficulty in breathing). When the risk of skin exposure is high (e.g. when cleaning up spillages or if there is a risk of splashing) then chemical resistant aprons and/or impervious chemical suits and boots will be required. Consider evacuation.
Emergency procedures	. Consider evacuation.
6.1.2. For emergency responders	
Protective equipment	: When the risk of skin exposure is high (e.g. when cleaning up spillages or if there is a risk of splashing) then chemical resistant aprons and/or impervious chemical suits and boots will be required.
Emergency procedures	: No specific measures are necessary.
6.2. Environmental precautions	

Prevent soil and water pollution. Prevent entry to sewers and public waters. Dike for recovery or absorb with appropriate material. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for con	itainment and cleaning up
For containment	: Contain large spillage with sand or earth.
Methods for cleaning up	: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Take up large spills with pump or vacuum and finish with dry chemical absorbent.
Other information	: Use suitable disposal containers. Sweep up and remove to a suitable, clearly marked container for disposal in accordance with local regulations. On water, recover/skim from surface and pour out in disposal container.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Additional hazards when processed	: In use, may form flammable vapour-air mixture. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly.
Precautions for safe handling	: Avoid prolonged and repeated contact with skin. Do not eat, drink or smoke when using this product. May be dangerously slippery if spilled. Take off contaminated clothing. Where contact with eyes or skin is likely, wear suitable protection. Prevent build-up of electrostatic charges (e.g, by grounding). No naked lights. No smoking. Provide local exhaust or general room ventilation to minimize mist and/or vapour concentrations.
Hygiene measures	: Take all necessary measures to avoid accidental discharge of products into drains and waterways due to the rupture of containers or transfer systems. Handle in accordance with good industrial hygiene and safety practice. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Where contact with eyes or skin is likely, wear suitable protection. Wash contaminated clothing before reuse. Cloth, paper and other materials that are used to absorb spills present a fire hazard.
7.2. Conditions for safe storage, including any incompatibilities	
Technical measures	: Store in a dry place. Store in a closed container. Store away from direct sunlight or other

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Maximum storage period Storage temperature	Reacts vigorously with strong oxidizers and acids. 3 year ≤ 40 °C
3	Keep away from : Oxidizing materials. Strong acids. Store at ambient temperature.
Special rules on packaging	Keep container tightly closed and dry.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. National occupational exposure and biological limit values

Cumene (98-82-8)		
EU - Indicative Occupational Exposure Limit (IOEL)		
Local name	2-Phenylpropane (Cumene)	
IOELV TWA (mg/m ³)	50 mg/m³	
IOELV STEL (mg/m³)	250 mg/m³	
IOELV STEL (ppm)	50 ppm	
Notes	Skin. During exposure monitoring, account should be taken of relevant biological monitoring values as suggested by the Scientific Committee on Occupational Exposure Limits for Chemicals Agents (SCOEL)	
Regulatory reference	COMMISSION DIRECTIVE (EU) 2019/1831	
Ireland - Occupational Exposure Limits		
Local name	Isopropyl benzene (Cumene)	
OEL (8 hours ref) (mg/m ³)	50 mg/m³	
OEL (8 hours ref) (ppm)	10 ppm	
OEL (15 min ref) (mg/m3)	250 mg/m³	
OEL (15 min ref) (ppm)	50 ppm	
Notes (IE)	Sk (Substances which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body), IOELV (Indicative Occupational Exposure Limit Values)	
Regulatory reference	Chemical Agents Code of Practice 2021	
Malta - Occupational Exposure Limits		
Local name	Cumene	
OEL TWA (mg/m³)	100 mg/m³	
OEL TWA (ppm)	20 ppm	
OEL STEL (mg/m³)	250 mg/m³	
OEL STEL (ppm)	50 ppm	
Remark (MT)	Skin # Ġilda	
Regulatory reference	S.L.424.24 - Chemical Agents at Work Regulations (L.N.57 of 2018)	
United Kingdom - Occupational Exposure Limits		
Local name	Cumene	
WEL TWA (mg/m³)	125 mg/m³	

Safety Data Sheet

Cumene (98-82-8)		
WEL TWA (ppm)	25 ppm	
WEL STEL (mg/m ³)	250 mg/m³	
WEL STEL (OEL STEL) [ppm]	50 ppm	
Remark (WEL)	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE	
Diphenylamine (122-39-4)		
Ireland - Occupational Exposure Limits		
Local name	Diphenylamine	
OEL (8 hours ref) (mg/m ³)	10 mg/m ³	
OEL (8 hours ref) (ppm)	10 ppm	
OEL (15 min ref) (mg/m3)	20 mg/m ³	
OEL (15 min ref) (ppm)	20 ppm	
Regulatory reference	Chemical Agents Code of Practice 2021	
United Kingdom - Occupational Exposure Limits		
Local name	Diphenylamine	
WEL TWA (mg/m³)	10 mg/m ³	
WEL TWA (ppm)	20 ppm	
WEL STEL (mg/m ³)	20 mg/m ³	
WEL STEL (OEL STEL) [ppm]	10 ppm	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE	
Hydrocarbons, C10-C13, n-alkanes, isoalkane	s, cyclics, aromatics (2-25%)	
EU - Indicative Occupational Exposure Limit (IOEL)		
IOELV TWA (ppm)	100 ppm	
IOELV STEL (mg/m³)	350 mg/m ³	
IOELV STEL (ppm)	56 ppm	
Naphthalene (91-20-3)		
EU - Indicative Occupational Exposure Limit (IOEL)		
Local name	Naphthalene	
IOELV TWA (mg/m ³)	50 mg/m³	
Notes	(Year of adoption 2010)	
Regulatory reference	COMMISSION DIRECTIVE 91/322/EEC; SCOEL Recommendations	
Ireland - Occupational Exposure Limits		
Local name	Naphthalene	
OEL (8 hours ref) (mg/m³)	50 mg/m³	
OEL (8 hours ref) (ppm)	10 ppm	
Notes (IE)	IOELV (Indicative Occupational Exposure Limit Values)	
Regulatory reference	Chemical Agents Code of Practice 2021	

Safety Data Sheet

Naphthalene (91-20-3)		
Malta - Occupational Exposure Limits		
Local name	Naphtalene	
OEL TWA (mg/m³)	50 mg/m³	
OEL TWA (ppm)	10 ppm	
Regulatory reference	S.L.424.24 - Chemical Agents at Work Regulations (L.N.57 of 2018)	
Xylene, mixture of isomers (1330-20-7)		
EU - Indicative Occupational Exposure Limit (IOEL)		
Local name	Xylene, mixed isomers, pure	
IOELV TWA (mg/m ³)	221 mg/m³	
IOELV STEL (mg/m³)	442 mg/m ³	
IOELV STEL (ppm)	100 ppm	
Notes	Skin	
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC	
Ireland - Occupational Exposure Limits		
Local name	Xylene, mixed isomers	
OEL (8 hours ref) (mg/m ³)	221 mg/m ³	
OEL (8 hours ref) (ppm)	50 ppm	
OEL (15 min ref) (mg/m3)	442 mg/m ³	
OEL (15 min ref) (ppm)	100 ppm	
Notes (IE)	Sk (Substances which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body), IOELV (Indicative Occupational Exposure Limit Values)	
Regulatory reference	Chemical Agents Code of Practice 2021	
Malta - Occupational Exposure Limits		
Local name	Xylene, mixed isomers, pure # Xylene,Isomeri mhallta, puri	
OEL TWA (mg/m³)	221 mg/m³	
OEL TWA (ppm)	50 ppm	
OEL STEL (mg/m³)	442 mg/m ³	
OEL STEL (ppm)	100 ppm	
Remark (MT)	Skin # Ĝilda	
Regulatory reference	S.L.424.24 - Chemical Agents at Work Regulations (L.N.57 of 2018)	
United Kingdom - Occupational Exposure Limits		
Local name	Xylene	
WEL TWA (mg/m³)	220 mg/m³ o-,m-,p- or mixed isomers	
WEL TWA (ppm)	50 ppm o-,m-,p- or mixed isomers	
WEL STEL (mg/m³)	441 mg/m³ o-,m-,p- or mixed isomers	
WEL STEL (OEL STEL) [ppm]	100 ppm o-,m-,p- or mixed isomers	
Remark (WEL)	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE	

Safety Data Sheet

Xylene, mixture of isomers (1330-20-7)		
United Kingdom - Biological limit values		
Local name	Xylene, o-, m-, p- or mixed isomers	
BMGV	650 mmol/mol Creatinine Parameter: methyl hippuric acid - Medium: urine - Sampling time: Post shift	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE	
mesitylene (108-67-8)		
EU - Indicative Occupational Exposure Limit (IOEL)		
Local name	Mesitylene (Trimethylbenzenes)	
IOELV TWA (mg/m³)	100 mg/m³	
IOELV TWA (ppm)	20 ppm	
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC	
Ireland - Occupational Exposure Limits	·	
Local name	Mesitylene (Trimethylbenzene)	
OEL (8 hours ref) (mg/m³)	100 mg/m ³	
OEL (8 hours ref) (ppm)	20 ppm	
Notes (IE)	IOELV (Indicative Occupational Exposure Limit Values)	
Regulatory reference	Chemical Agents Code of Practice 2021	
Malta - Occupational Exposure Limits		
Local name	Mesitylene (Trimethylbenzenes)	
OEL TWA (mg/m³)	100 mg/m ³	
OEL TWA (ppm)	20 ppm	
Regulatory reference	S.L.424.24 - Chemical Agents at Work Regulations (L.N.57 of 2018)	
Benzene, 1,2,4-trimethyl- (95-63-6)		
EU - Indicative Occupational Exposure Limit (IOEL)		
Local name	1,2,4-Trimethylbenzene	
IOELV TWA (mg/m ³)	100 mg/m³	
IOELV TWA (ppm)	20 ppm	
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC	
Ireland - Occupational Exposure Limits	·	
Local name	1,2,4-Trimethylbenzene	
OEL (8 hours ref) (mg/m³)	100 mg/m³	
OEL (8 hours ref) (ppm)	20 ppm	
Notes (IE)	IOELV (Indicative Occupational Exposure Limit Values)	
Regulatory reference	Chemical Agents Code of Practice 2021	
Malta - Occupational Exposure Limits	·	
Local name	1,2,4-Trimethylbenzene	
OEL TWA (mg/m³)	100 mg/m ³	
OEL TWA (ppm)	20 ppm	
Regulatory reference	S.L.424.24 - Chemical Agents at Work Regulations (L.N.57 of 2018)	

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

2-Ethylhexan-1-ol (104-76-7)		
EU - Indicative Occupational Exposure Limit (IOEL)		
Local name	2-ethylhexan-1-ol	
IOELV TWA (mg/m³)	5,4 mg/m³	
Regulatory reference	COMMISSION DIRECTIVE (EU) 2017/164	
Ireland - Occupational Exposure Limits	·	
Local name	2-Ethylhexan-1-ol	
OEL (8 hours ref) (mg/m ³)	5,4 mg/m³	
OEL (8 hours ref) (ppm)	1 ppm	
Notes (IE)	IOELV (Indicative Occupational Exposure Limit Values)	
Regulatory reference	Chemical Agents Code of Practice 2021	
Malta - Occupational Exposure Limits		
Local name	2-Ethylhexan-1-ol	
OEL TWA (mg/m³)	5,4 mg/m³	
OEL TWA (ppm)	1 ppm	
Regulatory reference	S.L.424.24 - Chemical Agents at Work Regulations (L.N.57 of 2018)	
United Kingdom - Occupational Exposure Limits		
Local name	2-ethylhexan-1-ol	
WEL TWA (mg/m³)	5,4 mg/m³	
WEL TWA (ppm)	1 ppm	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE	
2,6-Di-tert-butyl-p-cresol (128-37-0)		
EU - Indicative Occupational Exposure Limit (IOEL)		
IOELV TWA (mg/m³)	5 mg/m³	
Ireland - Occupational Exposure Limits		
Local name	2,6-Ditertiary-butyl-para-cresol [Butylated hydroxytoluene (BHT)]	
OEL (8 hours ref) (mg/m ³)	2 mg/m ³	
Regulatory reference	Chemical Agents Code of Practice 2021	
United Kingdom - Occupational Exposure Limits		
Local name	2,6-Di-tert-butyl-p-cresol	
WEL TWA (mg/m³)	10 mg/m ³	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE	

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Provide for appropriate exhaust ventilation at places of vapours accumulation. Use explosion-proof equipment. Provided an air-filtering/air-purifying respirator is suitable, a filter for particulates can be used for mist or fume. Use filter type P or comparable standard. A combination filter for particles and organic gases and vapours (boiling point >65°C) may be required if vapour or abnormal odour is also present due to high product temperature. Use filter type AP or comparable standard. Respiratory protective equipment must be checked to ensure it fits correctly each time it is worn. Large quantities: Contain large spillage with sand or earth.

8.2.2. Personal protection equipment

Personal protective equipment:

Gloves. In case of splash hazard: safety glasses. Respiratory protective equipment is not normally required where there is adequate natural or local exhaust ventilation to control exposure.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Safety glasses with side shields. Eye protection should only be necessary where liquid could be splashed or sprayed

8.2.2.2. Skin protection

Skin and body protection:

No special clothing/skin protection equipment is recommended under normal conditions of use. Avoid repeated or prolonged skin contact. If repeated skin contact or contamination of clothing is likely, protective clothing should be worn. Equipment should conform to EN 166.

Hand protection:

In case of repeated or prolonged contact wear gloves. The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream). The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).

Other skin protection

Materials for protective clothing:

Neoprene or nitrile rubber gloves. Chemical resistant gloves (according to European standard NF EN 374 or equivalent)

8.2.2.3. Respiratory protection

Respiratory protection:

Respiratory protective equipment is not normally required where there is adequate natural or local exhaust ventilation to control exposure. Where excessive vapour, mist, or dust may result, use approved respiratory protection equipment. Respiratory protective equipment must be checked to ensure it fits correctly each time it is worn. Provided an air-filtering/air-purifying respirator is suitable, a filter for particulates can be used for mist or fume. Use filter type P or comparable standard. A combination filter for particles and organic gases and vapours (boiling point >65°C) may be required if vapour or abnormal odour is also present due to high product temperature. Use filter type AP or comparable standard.

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

See Heading 12. See Heading 6.

Consumer exposure controls:

Provide good ventilation in process area to prevent formation of vapour. Neoprene or nitrile rubber gloves.

Other information:

Do not put the product-soaked rags into the pockets of working clothes. Do not use cloths stained with the product to dry hands. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke during use. Wash contaminated clothing before reuse.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

SECTION 9: Physical and chemical properties		
9.1. Information on basic physical and c	hemical properties	
Physical state Appearance	: Liquid : Liquid.	
Colour	: red.	
Odour	: characteristic.	
Odour threshold	: No data available	
рН	: No data available	
Relative evaporation rate (butylacetate=1)	: < 0,1	
Melting point	: ≤0 °C	
Freezing point	: No data available	
Boiling point	: >100 °C	
Flash point	: 63 °C	
Auto-ignition temperature	: > 200 °C	
Decomposition temperature	: No data available	
Flammability (solid, gas)	: No data available	
Vapour Pressure 20°C	: < 3 hPa	
Relative vapour density at 20 °C	: > 1 (air = 1)	
Relative density	: No data available	
Density	: 0,8 – 0,81 kg/l	
Solubility	: insoluble in water.	
Log Pow	: >3	
Viscosity, kinematic	$2 - 5 \text{ mm}^2/\text{s}$	
Viscosity, dynamic	: No data available	
Explosive properties	: No data available	
Oxidising properties	: No data available	
Explosive limits	: 0,6 – 7 vol %	

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Refer to section 10.1 on Reactivity.

10.4. Conditions to avoid

Keep away from naked flames/heat.

10.5. Incompatible materials

Strong oxidizing agents. strong acids.

10.6. Hazardous decomposition products

CO, CO2.

CECTION	44. Toylor	ological inform	otion
SECTION			

11.1. Information on toxicological effects

Safety Data Sheet

	Not classified Not classified	
Diphenylamine (122-39-4)		
LD50 oral rat	2720 mg/kg	
LD50 dermal rabbit	> 2000 mg/kg	
Hydrocarbons, C10-C13, n-alkanes, isoalkane		
LD50 oral rat	> 15000 mg/kg	
LD50 dermal rabbit	> 3400 mg/kg	
LC50 Inhalation - Rat (Vapours)	> 13,1 mg/l/4h	
Naphthalene (91-20-3)		
LD50 oral rat	2600 mg/kg	
LD50 dermal rat	> 2500 ml/kg	
Xylene, mixture of isomers (1330-20-7)		
LD50 oral rat	3523 mg/kg	
LD50 dermal rat	12126 ml/kg	
LC50 Inhalation - Rat	> 20 ml/m ³	
mesitylene (108-67-8)		
LD50 oral rat	5000 mg/kg	
LD50 dermal rabbit	3160 mg/kg	
LC50 Inhalation - Rat (Vapours)	18000 mg/l/4h	
2-Ethylhexan-1-ol (104-76-7)		
LD50 oral rat	2040 (2000 – 5000) mg/kg	
LD50 dermal rabbit	> 3000 mg/kg	
LC50 Inhalation - Rat [ppm]	> 227 ppm 6h	
LC50 Inhalation - Rat (Dust/Mist)	5,3 mg/l/4h	
2,6-Di-tert-butylphenol (128-39-2)		
LD50 oral rat	> 5000 mg/kg	
LD50 dermal rabbit	> 10000 mg/kg	
2,6-Di-tert-butyl-p-cresol (128-37-0)		
LD50 oral rat	> 2930 mg/kg	
LD50 dermal rat	> 2000 ml/kg	
	Not classified	
, .	Not classified Not classified	
	Not classified	
	Not classified	
	Not classified	
· · ·	Not classified	
Cumene (98-82-8)		
STOT-single exposure	May cause respiratory irritation.	

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Hydrocarbons, C10, Aromatics, <1% Naphthalene (1189173-42-9)		
STOT-single exposure	May cause drowsiness or dizziness.	
Xylene, mixture of isomers (1330-20-7)		
STOT-single exposure	May cause respiratory irritation.	
mesitylene (108-67-8)		
STOT-single exposure	May cause respiratory irritation.	
Benzene, 1,2,4-trimethyl- (95-63-6)		
STOT-single exposure	May cause respiratory irritation.	
2-Ethylhexan-1-ol (104-76-7)		
STOT-single exposure	May cause respiratory irritation.	
	Causes damage to organs (central nervous system) through prolonged or repeated exposure (Inhalation).	
Diphenylamine (122-39-4)		
STOT-repeated exposure	May cause damage to organs (kidneys) through prolonged or repeated exposure (Inhalation).	
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)		
STOT-repeated exposure	Causes damage to organs (central nervous system) through prolonged or repeated exposure (Inhalation).	
Xylene, mixture of isomers (1330-20-7)		
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.	
Aspiration hazard : May be fatal if swallowed and enters airways.		
B&S Fuel Fit		
Viscosity, kinematic	2 – 5 mm²/s	

SECTION 12: Ecological information

12.1. Toxicity		
	Ecotoxicological data have not been determined specifically for this product. Information given is based on a knowledge of the components and the ecotoxicology of similar products.	
Ecology - water :	This product floats on water and may affect the oxygen-balance in the water.	
	Not classified	
(acute)		
	Harmful to aquatic life with long lasting effects.	
(chronic)		
Diphenylamine (122-39-4)		
LC50 fish 1	2,2 mg/l	
EC50 Daphnia 1	1,2 mg/l	
EC50 72h - Algae [1]	1,51 mg/l	
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)		
EC50 Daphnia 1	100 – 220 mg/l EC50 48h - Daphnia magna [mg/l]	
LOEC (acute)	0,091 mg/l 28 d	

Safety Data Sheet

	3 – 10
C50 72h - Algae [1]	
	11 mg/l
IOEC (acute)	2,5 mg/l
laphthalene (91-20-3)	
C50 fish 1	0,51 mg/l
C50 Daphnia 1	3,4 mg/l
(ylene, mixture of isomers (1330-20-7)	
C50 fish 1	2,6 mg/l Oncorhynchus mykiss (Rainbow trout)
C50 Daphnia 1	1 mg/l
C50 72h - Algae [1]	4,9 mg/l Pseudokirchneriella subcapitata
IOEC chronic fish	> 1,3 mg/l 53 d
-Ethylhexan-1-ol (104-76-7)	
C50 fish 1	28,2 mg/l Pimephales promelas
C50 fish 2	17,1 mg/l Leuciscus idus (golden orfe)
C50 Daphnia 1	39 mg/l
C50 72h - Algae [1]	3,22 mg/l
rC50 (other aquatic plants)	16,6 mg/l
IOEC (acute)	14 mg/l
,6-Di-tert-butylphenol (128-39-2)	
C50 fish 1	13 mg/l Oncorhynchus mykiss (Rainbow trout)
C50 fish 2	1,4 mg/l Pimephales promelas
iC50 Daphnia 1	0,45 mg/l
rC50 (algae)	1000 mg/l
,6-Di-tert-butyl-p-cresol (128-37-0)	
C50 Daphnia 1	0,48 mg/l EC50 48h - Daphnia magna [mg/l]
2.2. Persistence and degradability	
S&S Fuel Fit	
u	Major constituents are expected to be inherently biodegradable, but the product contains components that may persist in the environment.
)iphenylamine (122-39-4)	
liodegradation	26 % Closed bottle test 28 days
lydrocarbons, C10-C13, n-alkanes, isoalkanes	s, cyclics, aromatics (2-25%)
Persistence and degradability	Product is biodegradable.
liodegradation	74,7 % (OECD 301F method)
Hydrocarbons, C10, Aromatics, <1% Naphthalene (1189173-42-9)	
Persistence and degradability	Inherently biodegradable.
liodegradation	50 %

Safety Data Sheet

2-Ethylhexan-1-ol (104-76-7)		
Biodegradation	100 %	
2,6-Di-tert-butyl-p-cresol (128-37-0)		
Biodegradation	4,5 % (OECD 301C method)	
12.3. Bioaccumulative potential		
B&S Fuel Fit		
Log Pow	> 3	
Bioaccumulative potential	This product is not expected to bioaccumulate through food chains in the environment.	
Diphenylamine (122-39-4)		
Log Kow	3,4 Partition coefficient n-octanol/water [log Kow]	
Hydrocarbons, C10-C13, n-alkanes, isoalkane		
Log Pow	> 3	
Bioaccumulative potential	This product is not expected to bioaccumulate through food chains in the environment.	
Xylene, mixture of isomers (1330-20-7)		
Log Pow	3,16	
2-Ethylhexan-1-ol (104-76-7)		
Bioconcentration factor (BCF REACH)	25,35 Calculation method	
Log Kow	2,9	
2,6-Di-tert-butylphenol (128-39-2)		
Log Pow	4,92	
2,6-Di-tert-butyl-p-cresol (128-37-0)		
Bioconcentration factor (BCF REACH)	330 Cyprinus carpio (Common carp)	
Log Pow	5,1	
Log Kow	5,03	
-		
12.4. Mobility in soil		
B&S Fuel Fit		
Ecology - soil	Not miscible with water. Spillages may penetrate the soil causing ground water contamination.	
Hydrocarbons, C10-C13, n-alkanes, isoalkane	es, cyclics, aromatics (2-25%)	
Ecology - soil	Not miscible with water. Spillages may penetrate the soil causing ground water contamination.	
2-Ethylhexan-1-ol (104-76-7)		
Mobility in soil	-1,42	
12.5. Results of PBT and vPvB assessment		
No additional information available		
12.6. Other adverse effects		
No additional information available		

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

SECTION 13: Disposal considera	tions
13.1. Waste treatment methods	
Regional legislation (waste) Waste disposal recommendations	 Disposal must be done according to official regulations. Dispose in a safe manner in accordance with local/national regulations. Do not discharge into drains or the environment.
Additional information Ecology - waste materials	Hazardous waste.When not empty dispose of this container at hazardous or special waste collection point.

SECTION 14: Transport information

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

ADR	IMDG	ΙΑΤΑ	ADN	RID
14.1. UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shippin	g name	,		
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard c	lass(es)			·
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental haz	ards			
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No
No supplementary informatio	n available	1	1	1

14.6. Special precautions for user

Overland transport

No data available

Transport by sea

No data available

Air transport No data available

Inland waterway transport No data available

Rail transport

No data available

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

Not applicable

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes			
Section	Changed item	Change	Comments
	Revision date	Modified	
	Type of product	Removed	
	Additional information	Removed	
2.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Modified	
2.1	Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]	Modified	
2.2	Precautionary statements (CLP)	Modified	
2.2	Hazard pictograms (CLP)	Modified	
2.2	Hazard statements (CLP)	Modified	
2.2	S-phrases	Modified	
2.2	R-phrases	Modified	
2.2	Hazard symbols	Modified	
4.2	Symptoms/effects after inhalation	Modified	
6.1	Protective equipment	Modified	
9.1	Viscosity, kinematic	Added	
9.1	Viscosity, dynamic	Removed	

Full text of H- and EUH-statements	
Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Full text of H- and EU	H-statements
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Carc. 2	Carcinogenicity, Category 2
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 1	Specific target organ toxicity — Repeated exposure, Category 1
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
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.
EUH066	Repeated exposure may cause skin dryness or cracking.

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.