

SAFETY DATA SHEET

CS10 Rocket Fuel Accelerator

Date: 21-06-2017

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SECTION 1: IDENTIFICATION OF PRODUCT AND COMPANY

1.1 Product Identifier

Product name: CS10 Rocket Fuel Accelerator
Product Code: FL2016

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

Intended use: For professional use ONLY

1.3 Details of supplier of the safety data sheet

Details of company: FLP Group
Unit 1 Clayfields Industrial Estate
Tickhill Road
Doncaster
DN4 8QG
+44 (0) 1302 571571
sales@flpgroup.co.uk

1.4 Emergency telephone number

Emergency Tel: +44 (0) 1302 571571

SECTION 2: HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

Classification under CLP: Flam. Liq. 3: H226; Acute Tox. 4: H312; Acute Tox. 4: H332; Skin Irrit. 2: H315; Skin Sens. 1: H317; Muta. 2: H341; Repr. 1A: H360FD; STOT SE 3: H336; STOT RE 2: H373; Aquatic Chronic 2: H411

2.2 Label elements

Hazard statements: H226 Flammable liquid and vapour
H312+H332 Harmful in contact with skin or if inhaled
H315 Causes skin irritation
H317 May cause an allergic skin reaction
H336 May cause drowsiness or dizziness
H341 Suspected of causing genetic defects
H360FD May damage fertility. May damage the unborn child
H373 May cause damage to organs through prolonged or repeated exposure
H411 Toxic to aquatic life with long lasting effects

Contains: n-butyl acetate, ethylbenzene

Signal words: Warning

Hazard pictograms: GHS02: Flame
GHS07: Exclamation mark
GHS08: Health hazard
GHS09: Environmental



Precautionary statements: P202 Do not handle until all safety precautions have been read and understood
P260 Do not breathe spray, vapours
P263 Avoid contact during pregnancy/while nursing
P273 Avoid release to the environment
P280 Wear face protection, protective clothing, protective gloves
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower

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P312 Call a doctor if you feel unwell

2.3 Other hazards

Other hazards:

No additional information available.

PBT:

This substance is not identified as a PBT substance.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Hazardous ingredients:

EINECS	CAS	CHIP Classification	CLP Classification	Percent
n-butyl acetate				
204-658-1	123-86-4	R10; R66; R67	Flam. Liq. 3, H226 STOT SE 3, H336	43-63%
Xylene				
215-535-7	1330-20-7	R10; Xn; R20/21; Xi; R38	Flam. Liq. 3, H226; Acute Tox. 4 (Dermal), H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	23-43%
Ethylbenzene				
202-849-4	100-41-4	F; R11; Xn; R20	Flam. Liq. 2, H225; Acute Tox. 4 (Inhalation), H332; STOT RE 2, H373; Asp. Tox. 1, H304	5-23%
N-BUTYL-2-(1-ETHYLPENTYL)-1,3-OXAZOLIDINE REACH-no 01-0000017206-75				
	165101-57-5	N; R51/53	Aquatic Chronic 2, H411	<5%

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General First-aid measures:

Never give anything by mouth to an unconscious person. IF exposed or concerned: Get medical advice/attention

Skin contact:

Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor/physician. Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention. Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. Repeated exposure may cause skin dryness or cracking.

Eye contact:

Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.

Ingestion:

Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

Inhalation:

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

4.2 Most Important symptoms and effects, both acute and delayed

Symptoms/injuries:

Suspected of causing genetic defects. May damage fertility. May damage the unborn child. Causes damage to organs.

Symptoms/injuries after inhalation:

May cause an allergic skin reaction. May cause drowsiness or dizziness.

Symptoms/injuries after skin contact:

Repeated exposure to this material can result in absorption through skin causing significant health hazard. Harmful in contact with skin. Causes skin irritation.

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4.3 Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
 Unsuitable extinguishing media: Do not use a heavy water stream.

5.2 Special hazards arising from the substance or mixture

Fire hazard: Flammable liquid and vapour.
 Explosion hazard: May form flammable/explosive vapour-air mixture.

5.3 Advice for fire-fighters

Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
 Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

General measures: Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.
 Protective equipment: Safety glasses. Protective clothing. Gloves.
 Emergency procedures: Evacuate unnecessary personnel.
 Protective equipment: Equip clean-up crew with proper protection. Avoid breathing spray, vapours.
 Emergency procedures: Ventilate area.

6.2 Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3 Methods and material for containment and cleaning up

Clean-up procedures: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials

6.4 Reference to other sections

See Heading 8. Exposure controls and personal protection. For further information refer to section 13.

SECTION 7: HANDLING & STORAGE

7.1 Precautions for safe handling

Additional hazards when processed: Handle empty containers with care because residual vapours are flammable.
 Precautions for safe handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. No open flames. No smoking. Take precautionary measures against static discharge. Use only non-sparking tools. Avoid breathing spray, vapours. Use only outdoors or in a well-ventilated area.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures: Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical, lighting equipment.
 Storage conditions: Keep only in the original container in a cool, well ventilated place away from: Ignition sources, Heat sources, keep away from heat,

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Incompatible products:
Incompatible materials:
Storage temperature:
Storage area:
Special rules on packaging:

hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed.
Strong bases. Strong acids.
Sources of ignition. Direct sunlight. Heat sources.
<25 °C
Store in a well-ventilated place.
Keep only in original container.

7.3 Specific end use(s)

Specific end use(s): No data available.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Control parameters

N-butyl acetate (123-86-4)

United Kingdom	Local name	Butyl acetate
United Kingdom	WEL TWA (mg/m ³)	724 mg/m ³
United Kingdom	WEL TWA (ppm)	150 ppm
United Kingdom	WEL STEL (mg/m ³)	966 mg/m ³
United Kingdom	WEL STEL (ppm)	200 ppm

Ethylbenzene (100-41-4)

EU	Local name	Ethylbenzene
EU	IOELV TWA (mg/m ³)	442 mg/m ³
EU	IOELV TWA (ppm)	100 ppm
EU	IOELV STEL (mg/m ³)	884 mg/m ³
EU	IOELV STEL (ppm)	200 ppm
EU	Notes	Skin
United Kingdom	Local name	Ethylbenzene
United Kingdom	WEL TWA (mg/m ³)	441 mg/m ³
United Kingdom	WEL TWA (ppm)	100 ppm
United Kingdom	WEL STEL (mg/m ³)	552 mg/m ³
United Kingdom	WEL STEL (ppm)	125 ppm
United Kingdom	Remark (WEL)	Sk

Xylene (1330-20-7)

EU	Local name	Xylene, mixed isomers, pure
EU	IOELV TWA (mg/m ³)	221 mg/m ³
EU	IOELV TWA (ppm)	50 ppm
EU	IOELV STEL (mg/m ³)	442 mg/m ³
EU	IOELV STEL (ppm)	100 ppm
EU	Notes	Skin
United Kingdom	Local name	Xylene, or mixed isomers
United Kingdom	WEL TWA (mg/m ³)	220 mg/m ³
United Kingdom	WEL TWA (ppm)	50 ppm
United Kingdom	WEL STEL (mg/m ³)	441 mg/m ³
United Kingdom	WEL STEL (ppm)	100 ppm
United Kingdom	Remark (WEL)	Sk, BMGV

8.2 Exposure controls

Personal protective equipment:	Avoid all unnecessary exposure.
Materials for protective clothing:	Impermeable clothing
Hand protection:	Wear protective gloves
Eye protection:	Chemical goggles or safety glasses
Skin and body protection:	Wear suitable protective clothing
Respiratory protection:	Where exposure through inhalation may occur from use, respiratory protection equipment is recommended
Other information:	Do not eat, drink or smoke during use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state:	Liquid
Appearance:	Liquid.
Colour:	Colourless.
Odour:	Aromatic.
Odour threshold:	No data available
pH:	No data available
Relative evaporation rate:	No data available
Melting point:	No data available
Freezing point:	No data available
Boiling point:	No data available
Flash point:	25°C
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Flammability (solid, gas):	Flammable liquid and vapour
Vapour pressure:	No data available
Relative vapour density at 20 °C:	No data available
Relative density:	No data available
Density:	0.87 - 0.89
Solubility:	insoluble in water. Soluble in most organic solvents.
Log Pow:	No data available
Viscosity, kinematic:	No data available
Viscosity, dynamic:	No data available
Explosive properties:	No data available
Oxidising properties:	No data available
Explosive limits:	No data available

9.2 Other information

VOC content:	844 g/l
VOC content - Actual:	844 g/l
VOC content - Regulatory:	844 g/l

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No additional information available

10.2 Chemical stability

Flammable liquid and vapour. May form flammable/explosive vapour-air mixture

10.3 Possibilities of hazardous reactions

Not established.

10.4 Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.

10.5 Incompatible materials

Strong bases. Strong acids

10.6 Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide. May release flammable gases

SECTION 11: TOXICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity:	Dermal: Harmful in contact with skin. Inhalation: Harmful if inhaled.
ATE CLP (dermal)	1100 mg/kg bodyweight

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ATE CLP (gases)	4500 ppmv/4h
ATE CLP (vapours)	11.000 mg/l/4h
ATE CLP (dust,mist)	1.500 mg/l/4h
Skin corrosion/irritation:	Not classified Repeated exposure may cause skin dryness or cracking
Serious eye damage/irritation:	Not classified Based on available data, the classification criteria are not met
Respiratory or skin sensitisation:	Not classified Based on available data, the classification criteria are not met
Germ cell mutagenicity:	Not classified Based on available data, the classification criteria are not met
Carcinogenicity:	Not classified Based on available data, the classification criteria are not met
Reproductive toxicity:	Not classified Based on available data, the classification criteria are not met
Specific target organ toxicity (SE):	May cause drowsiness or dizziness.
Specific target organ toxicity (RE):	Not classified Based on available data, the classification criteria are not met
Aspiration hazard:	Not classified Based on available data, the classification criteria are not met
Potential adverse human health effects and symptoms:	Based on available data, the classification criteria are not met.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Ecology - water: Toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability

May cause long-term adverse effects in the environment

12.3 Bio accumulative potential

Not established

12.4 Mobility in soil

No additional information available

12.5 Results of PBT and vPvB assessment

No additional information available

12.6 Other adverse effects

Avoid release to the environment

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Regional legislation (waste):	Disposal must be done according to official regulations.
Waste disposal recommendations:	Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to remove waste in accordance with local and/or national regulations.
Additional information:	Handle empty containers with care because residual vapours are flammable.
Ecology - waste materials:	Avoid release to the environment.

SECTION 14: TRANSPORTATION INFORMATION

14.1 UN number

UN number: UN1263

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14.2 UN proper shipping name

Shipping name: PAINT RELATED MATERIAL

14.3 Transport hazard class

Transport class: 3

14.4 Packaging group

Packing group: III

14.5 Environmental hazards

Environmentally hazardous: No

Marine pollutant: No

14.6 Special precautions for user

Special precautions: No special precautions.

Tunnel code: D/E

Transport category: 3

SECTION 15: REGULATORY INFORMATION

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

Contains no substances with Annex XVII restrictions. Rocket additive is not on the REACH Candidate List.

Contains no substance on the REACH candidate list. Contains no REACH Annex XIV substances

VOC content: 844 g/l

Seveso Information: This product is subject to the Seveso Directive

15.2 Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and 3:

H225 Highly flammable liquid and vapour
H226 Flammable liquid and vapour
H304 May be fatal if swallowed and enters airways
H312 Harmful in contact with skin
H315 Causes skin irritation
H317 May cause an allergic skin reaction
H332 Harmful if inhaled
H336 May cause drowsiness or dizziness
H341 Suspected of causing genetic defects
H360FD May damage fertility. May damage the unborn child
H373 May cause damage to organs through prolonged or repeated exposure
H411 Toxic to aquatic life with long lasting effects
R10 Flammable
R11 Highly flammable
R20 Harmful by inhalation
R20/21 Harmful by inhalation and in contact with skin
R38 Irritating to skin
R43 May cause sensitisation by skin contact
R48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

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R60 May impair fertility
R61 May cause harm to the unborn child
R66 Repeated exposure may cause skin dryness or cracking
R67 Vapours may cause drowsiness and dizziness
R68 Possible risk of irreversible effects
F Highly flammable
N Dangerous for the environment
Xi Irritant
Xn Harmful.

Legal disclaimer:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.