



SAFETY DATA SHEET

STEELSHIELD FUEL CLP

SECTION 1. IDENTIFICATION OF SUBSTANCE / MIXTURE AND OF SUPPLIER

1.1 Product Identifier

Product name: STEELSHIELD FUEL CLP

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

Recommended use: For all gas and diesel engine's fuel

Uses advised against: No Information available

1.3 Manufacturer:

Company: STEELSHIELD EXPORTS Sp. z o.o.
ul. 6 sierpnia 50
90-637 Łódź
tel. 604570000, 519754123

E-mail address of the person responsible for developing the safety data sheet: kontakt@kartymsds.pl

1.4 Emergency telephone number

Emergency : 112

SECTION 2. HAZARDS IDENTIFICATIONS

2.1 Classification of the substance or mixture

Hazards	CLP Classification - Regulation (EC) No 1272/2008
Physical hazards	Flam. Liq. 2, H225
Health hazards	Eye Irrit 2, H319 STOT SE 3, H336

2.2 Label elements



Hazards pictograms:

Signal word: Danger

Hazard statements: Flammable liquid and vapor. Causes eye irritation. May cause drowsiness or dizziness.

Precautionary statements: Use protective gloves. Wear safety goggles or face protection: Recommended: splash goggles. Keep away from heat, sparks, open flames, and hot surfaces. No Smoking. Keep container tightly closed. IF INHALED: Take or take up the victim for fresh air and keep him comfortable. IN CASE OF SKIN CONTACT (or with hair): Take off immediately all contaminated clothing. Rinse the skin under a stream of water [or shower].

2.3. Other hazards

No information available



SAFETY DATA SHEET

STEELSHIELD Fuel CLP

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Substances

Component	CAS-No	WE-No	Index- No	Weight [%]	CLP Classification - Regulation (EC) No 1272/2008
Propan-2-ol	67-63-0	200-661-7	603-117-00-0	≥50 - ≤75	Flam Liq. 2, H225 Eye Irrit 2, H319 STOT SE 3, H336
Mineral spirits	68551-17-7	Not classified	Not classified	≤25	Not classified

Full text of Hazard Statements: see section 16

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation: Remove person to fresh air. If signs/symptoms continue, get medical attention. Give oxygen or artificial respiration as needed

Skin contact: Wash skin with soap and copious amounts of water. Seek medical attention.

Eye contact: Thoroughly flush the eyes with large amounts of clean low-pressure water for at least 15 minutes, occasionally

Ingestion: DO NOT induce vomiting. If vomiting does occur, have victim lean forward to prevent aspiration. Rinse mouth with water. Seek medical attention. Never give anything by mouth to an unconscious individual.

4.2 Most important symptoms and effects, both acute and delayed

Breathing difficulties. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting

4.3 Indication of any immediate medical attention and special treatment needed

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

SECTION 5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Flammable. Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Do not use a solid water stream as it may scatter and spread fire.

5.2 Specific hazards arising from the chemical (e.g., nature of any hazardous combustion products)

Carbon oxides expected to be the primary hazardous combustion product.

5.3 Advices for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and



SAFETY DATA SHEET

STEELSHIELD Fuel CLP

eyes. Keep unopened containers cool by spraying with water.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Do not inhale vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

6.2 Environmental precautions:

Stop leak. Contain spill if possible and safe to do so. Prevent product from entering drains.

6.3 Methods and material for containment and cleaning up

Contain spill, then collect with an electrically protected vacuum cleaner or by wet-brushing and put the material into a convenient waste disposal container. Keep container closed

6.4 Reference to other sections

Refer to protective measures listed in Sections 8 and 13.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Wear personal protective equipment. Ensure adequate ventilation. Do not get in eyes, on skin, or on clothing. Avoid ingestion and inhalation. Keep away from open flames, hot surfaces and sources of ignition. Use only non-sparking tools. Use explosion-proof equipment. Take precautionary measures against static discharges.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a cool, dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

7.3 Specific end use

Follow the instructions for use.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Components	NDS [mg/m ³]	NDSch [mg/m ³]
Propan-2-ol	900	1200

List source(s): EU - Commission Directive 2006/15/EC of 7 February 2006 establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

8.2 Exposure controls

General room or local exhaust ventilation is usually required to meet exposure limit(s). Electrical



SAFETY DATA SHEET

STEELSHIELD Fuel CLP

equipment should be grounded and conform to applicable electrical code.

Personal protective equipment:

Respiratory protection: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. To protect the wearer, respiratory protective equipment must be the correct fit and be used and maintained properly.

Hand protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection: Use chemical safety goggles and/or a full face shield where splashing is possible.

Skin and body protection: Wear impervious, flame retardant, antistatic protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Environmental exposure controls:

Prevent product from entering drains. Do not allow material to contaminate ground water system. Local authorities should be advised if significant spillages cannot be contained

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	liquid
Color	light amber
Odor	characteristic
pH	not available
Boiling point	83 °C
Flash point	12°C
Evaporation rate	0,13 ((butyl acetate = 1)
Lower and upper explosive (flammable) limits	2%-12,7%
Vapor pressure	0,13 kPa (1.27 mm Hg) (20 °C)
Vapor density	2,1 (Air=1)
Relative density	0,785 g/cm ³
Solubility	not available
Partition coefficient: noctanol/water	not available
Auto-ignition temperature	399°C
Viscosity	<0.205 cm ² /s (40 °C)



SAFETY DATA SHEET

STEELSHIELD Fuel CLP

Explosive properties
Oxidizing properties

no information available
no information available

9.2 Other information

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SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

None known, based on information available.

10.2 Chemical stability

Stable under normal conditions

10.3 Possibility of hazardous reactions

Vapors may form explosive mixture with air.

10.4 Conditions to avoid

Keep away from open flames, hot surfaces and sources of ignition.

10.5 Incompatible materials

Strong Oxidizing agents

10.6 Hazardous decomposition products

None under normal use conditions

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity:

LC50 (vapor) Rat 19,000 ppm 8 hours

LD50 (oral) Rat 4,396 mg/kg

LD50 (oral) Mouse 3,600 mg/kg

LD50 (skin) Rabbit 12,870 mg/kg

Irritation:

Eyes (ISOPROPANOL)

Mildly irritating to the eye at an airborne concentration of 400 ppm, unpleasant at 800 ppm.

Skin

Slightly irritating to the skin. Repeated contact with neat product may dry the skin causing cracking and/or fissuring

SECTION 12. ECOLOGICAL INFORMATION



SAFETY DATA SHEET

STEELSHIELD Fuel CLP

12.1 Toxicity

Acute Fish Toxicity

LC50 / 96 hours Pimephales promelas: 9,640 mg/L

Toxicity to Aquatic Plants

EC50 / 72 hours Scenedesmus subspicatus > 1,000 mg/L

Toxicity to Microorganisms

EC50 / 3 hours Activated sludge > 1,000 mg/L

12.2 Persistence and degradability

Moderately biodegradable (77% degraded in 10 days). Expected to be hydrolytically stable, but rapidly degraded following atmospheric releases.

12.3 Bioaccumulative potential

Bioconcentration factor (BCF) of 3.16.

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available for assessment

12.6 Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Observe all state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material

SECTION 14. TRANSPORT INFORMATION

14.1 UN Number: 1219

14.2 UN proper shipping name: ISPOROPANOL

14.3 Transport hazard class(es): 3

14.4 Packing group: II

14.5 Environmental hazards: YES

14.6 Special precautions for user: No special precautions required

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable, packaged goods



SAFETY DATA SHEET

STEELSHIELD Fuel CLP

SECTION 15. REGULATORY INFORMATION

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

The product is classified as dangerous in accordance with Regulation (EC) No. 1272/2008. Take note of Dir 94/33/EC on the protection of young people at work. Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work. Take note of Directive 96/82/EC on the control of major-accident hazards involving dangerous substances. Take note of Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values. Take note of Dir 92/85/EEC on the safety and health at work of pregnant workers.

15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required for this/these products

SECTION 16. OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3:

H225- Highly flammable liquid and vapor.

H319- Causes serious eye irritation

H336- May cause drowsiness or dizziness.

Eye Irrit 2- Eye irritation, category 2

Flam Lig 2- Flammable material, category 2

STOT SE 3- Toxic effects on critical organs at single exposure, category 3

Wykaz skrótów i akronimów:

CAS - Chemical Abstracts Service

EINECS - Europejski Wykaz Istniejących Substancji o Znaczeniu Komercyjnym

ELINCS - Europejski Wykaz Zgłoszonych Substancji Chemicznych

LC50 (LD50, EC50) - dawka (stężenie) śmiertelna dla 50% populacji badawczej

NDS - najwyższe dopuszczalne stężenie

Nr WE - Nr EINECS i ELINCS

PBT - substancja trwała, wykazująca zdolność do bioakumulacji i toksyczna vPvB - bardzo trwałe i wykazujące bardzo dużą zdolność do bioakumulacji

Disclaimer

The information in the sheet was written based on the best knowledge and experience currently available.