

Productname : TUF CUT **Creationdate :** 11.12.14 Version : 1.0
Ref.Nr.: UDS000111_3_20141211 (EN) **Replaces:** UDS000111_20110615

Physical: R12: Extremely flammable.
EXTREMELY FLAMMABLE
Environment: R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictogram(s):



| | |
|------------------------------------|---|
| Signal word: | Danger |
| Hazard statement(s): | H222 : Extremely flammable aerosol. H229 : Pressurised container: May burst if heated. H362 : May cause harm to breast-fed children. H411 : Toxic to aquatic life with long lasting effects. |
| Precautionary statement(s): | 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. P263 : Avoid contact during pregnancy/while nursing. P410/412 : Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. P501-2 : Dispose of contents/container to an authorised waste collection point. |

2.3. Other hazards

None

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable.

3.2. Mixtures

| Hazardous ingredient | CAS-nr. | EC-nr | w/w % | symbol | R-phrases* | Notes |
|---|------------|-----------|-------|--------|-------------|-------|
| Hydrocarbons,C3-4-rich, petroleum distillate Petroleumgas (1,3-butadiene < 0.1%) | 68512-91-4 | 270-990-9 | 30-60 | F+ | 12 | K,G |
| Alkanes, C14-17, chloro | 85535-85-9 | 287-477-0 | 5-10 | N | 64-66-50/53 | |
| Explanation notes | | | | | | |
| G : exempted from the obligation to register in accordance with art.2(7)(a)of REACH Regulation No 1907/2006 | | | | | | |
| K : not classified as carcinogen, less than 0.1% w/w 1,3-butadiene (Einecs-nr. 203-450-8) | | | | | | |

Productname : TUF CUT **Creationdate :** 11.12.14 Version : 1.0
Ref.Nr.: UDS000111_3_20141211 (EN) **Replaces:** UDS000111_20110615

| Hazardous ingredient | Registration number | CAS-nr. | EC-nr | w/w % | Hazard Class and Category | Hazard statement | Notes |
|--|---------------------|------------|-----------|-------|---------------------------|------------------|-------|
| Hydrocarbons, C3-4-rich, petroleum distillate Petroleumgas (1,3-butadiene < 0.1%) | - | 68512-91-4 | 270-990-9 | 30-60 | Press. Gas, Flam. Gas 1 | H280, H220 | K, G |
| Explanation notes | | | | | | | |
| G : exempted from the obligation to register in accordance with art.2(7)(a) of REACH Regulation No 1907/2006 | | | | | | | |
| K : not classified as carcinogen, less than 0.1% w/w 1,3-butadiene (Einecs-nr. 203-450-8) | | | | | | | |

(* Explanation phrases : see chapter 16)

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|----------------------------|--|
| Contact with eyes : | If substance has got into eyes, immediately wash out with plenty of water If eye irritation persists: Get medical advice/attention. |
| Contact with skin : | Take off contaminated clothing and wash before reuse. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. |
| Inhalation : | IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. |
| Ingestion : | If swallowed accidentally, do not induce vomiting and seek medical advice. |

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

| | |
|-----------------------|---|
| Inhalation : | Excessive inhalation of solvent vapours may give rise to nausea, headaches and dizziness |
| Ingestion : | May cause gastrointestinal disturbances Symptoms : sore throat, abdominal pain, nausea, vomiting |
| Skin contact : | May cause irritation. Symptoms : redness and pain |
| Eye contact : | May cause irritation. Symptoms : redness and pain |

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

| | |
|-------------------------|---|
| General Advice : | If you feel unwell, seek medical advice (show the label where possible) If symptoms persist always call a doctor |
|-------------------------|---|

SECTION 5: Firefighting measures

5.1. Extinguishing media

foam, carbon dioxide or dry agent

5.2. Special hazards arising from the substance or mixture

Aerosols may explode if heated above 50°C
Forms hazardous decomposition products

Productname : TUF CUT
Ref.Nr.: UDS000111_3_20141211 (EN)
Creationdate : 11.12.14 Version : 1.0
Replaces: UDS000111_20110615

CO,CO2

5.3. Advice for firefighters

Keep container(s) exposed to fire cool, by spraying with water
In case of fire, do not breathe fumes

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Shut off all ignition sources
Ensure adequate ventilation
Wear suitable protective clothing and gloves.

6.2. Environmental precautions

Do not allow to enter public sewers and watercourses
If polluted water reaches drainage systems or water courses, immediately inform appropriate authorities

6.3. Methods and material for containment and cleaning up

Absorb spillage in suitable inert material
Place in appropriate container

6.4. Reference to other sections

For further information see section 8

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Keep away from heat and sources of ignition
Take precautionary measures against static discharges
Equipment should be earthed
Use explosion-proof electrical/ventilating/lighting/.../equipment.
Use only non-sparking tools.
Do not breathe aerosols or vapours.
Ensure adequate ventilation
Avoid contact with skin and eyes.
Wash thoroughly after use
Wear protective gloves/protective clothing/eye protection/face protection.

7.2. Conditions for safe storage, including any incompatibilities

Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50°C.
Keep in a cool, dry, well ventilated place
Keep out of reach of children.

Productname : TUFCUT
Ref.Nr.: UDS000111_3_20141211 (EN)
Creationdate : 11.12.14 Version : 1.0
Replaces: UDS000111_20110615

7.3. Specific end use(s)

Lubricants

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits :

No information available

8.2. Exposure controls

| | |
|--------------------------------------|---|
| Control procedures : | Ensure adequate ventilation Keep away from heat and sources of ignition Take precautionary measures against static discharges |
| Personal protection : | Take precautions to avoid contact with skin and eyes when handling the product. Ensure adequate ventilation |
| inhalation : | In case of insufficient ventilation, wear suitable respiratory equipment. |
| hands and skin : | Wear suitable protective gloves against chemicals |
| recommended glove material: | (nitrile) |
| eyes : | Wear safety goggles. |
| Environmental protection: | Avoid release to the environment. Collect spillage. |
| Consumer exposure protection: | Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician. |

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

(for aerosols data for the product without propellant)

| | |
|---|-----------------------------------|
| Apperance : physical state : | Propane/butane propelled liquid. |
| colour : | Brown. |
| odour : | Oil. |
| pH : | Not applicable. |
| Boiling point/range : | Not available. |
| Flash point : | > 100 °C |
| Evaporation rate : | Not available. |
| Explosion limits : upper limit : | Not available. |
| lower limit : | Not available. |
| Vapour pressure : | Not available. |
| Relative density : | 0.970 g/cm ³ (@ 20°C). |

Productname : TUF CUT
Ref.Nr.: UDS000111_3_20141211 (EN)
Creationdate : 11.12.14 Version : 1.0
Replaces: UDS000111_20110615

Solubility in water : Insoluble in water
Auto-ignition : > 200 °C
Viscosity : Not available.

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reactions known if used for its intended purpose

10.2. Chemical stability

Stable

10.3. Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose

10.4. Conditions to avoid

Avoid overheating

10.5. Incompatible materials

Strong oxidising agent

10.6. Hazardous decomposition products

CO,CO2

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Information on likely routes of exposure:

Inhalation : Inhalation of solvent vapours may give rise to nausea, headaches and dizziness
Ingestion : May cause gastrointestinal disturbances
Skin contact : Prolonged skin contact will result in defatting of the skin, leading to irritation, and in some cases, dermatitis
Repeated exposure may cause skin dryness or cracking.
Eye contact : May cause irritation.

Toxicological data :

Productname : TUFCUT
Ref.Nr.: UDS000111_3_20141211 (EN)

Creationdate : 11.12.14 Version : 1.0
Replaces: UDS000111_20110615

No information available

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, chronic category 2
Toxic to aquatic life with long lasting effects.

Ecotoxicological data:

No information available

12.2. Persistence and degradability

No information available

12.3. Bioaccumulative potential

No information available

12.4. Mobility in soil

Insoluble in water

12.5. Results of PBT and vPvB assessment

No information available

12.6. Other adverse effects

No information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

| | |
|-------------------------------|---|
| Product : | This material and its container must be disposed of in a safe way. Do not discharge into drains or the environment, dispose to an authorised waste collection point. |
| National regulations : | Disposal should be in accordance with local, state or national legislation |

SECTION 14: Transport information

14.1. UN number

Productname : TUF CUT
Ref.Nr.: UDS000111_3_20141211 (EN)
Creationdate : 11.12.14 Version : 1.0
Replaces: UDS000111_20110615

SECTION 16: Other information

*Explanation risk-phrases: R12: Extremely flammable.
R64: May cause harm to breastfed babies.
R66: Repeated exposure may cause skin dryness or cracking.
R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

*Explanation hazard statements: H220 : Extremely flammable gas.
H280 : Contains gas under pressure; may explode if heated.

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation.

The information contained herewith is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It does not guarantee any specific properties. 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.