

SAFETY DATA SHEET

MOLOTOW™ COVERSALL 2

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Compilation date: 12.10.12

Revision date: 24.04.17

Revision No: 1.5

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

1.1. Product identifier

Product name: FEUERSTEIN COVERSALL2

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

1.3. Details of the supplier of the safety data sheet

Company name: Feuerstein GmbH MOLOTOW™ Distribution
Willy-Brandt-Straße 9/2
D 77933 Lahr / Schwarzwald
Tel. +49 (0)721 92 229 0 [8:00 – 17:00 (UTC+1)]
Fax +49 (0)721 92 229 99
Email: info@molotow.com
www.molotow.com

1.4. Emergency telephone number

Emergency tel: Tel. +49 (0)721 92 229 0 [8:00 – 17:00 (UTC+1)]

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Skin Irrit. 2: H315; Aquatic Chronic 2: H411; Flam. Aerosol 1: H222; -: H229

Most important adverse effects: Extremely flammable aerosol. Pressurised container: May burst if heated. Causes skin irritation. Toxic to aquatic life with long lasting effects.

2.2. Label elements

Label elements:

Hazard statements: H222: Extremely flammable aerosol.
H229: Pressurised container: May burst if heated
H315: Causes skin irritation.
H411: Toxic to aquatic life with long lasting effects.

Hazard pictograms: GHS02: Flame
GHS07: Exclamation mark
GHS09: Environmental



Signal words: Danger

Precautionary statements: P102: Keep out of reach of children.

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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.

P264: Wash hands thoroughly after handling.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P332+313: If skin irritation occurs: Get medical advice/attention.

P410+412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

2.3. Other hazards

Other hazards: In use, may form flammable / explosive vapour-air mixture.

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

PROPANE

EINECS	CAS	PBT / WEL	CLP Classification	Percent
200-827-9	74-98-6	Substance with a Community workplace exposure limit.	Flam. Gas 1: H220; Press. Gas: H280	12-25%

BUTANE

203-448-7	106-97-8	Substance with a Community workplace exposure limit.	Flam. Gas 1: H220; Press. Gas: H280	12-25%
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NAPHTHA (ERDÖL) , MIT WASSERSTOFF BEHANDELTE, LEICHTE

265-151-9	64742-69-0	-	Skin Irrit. 2: H315; Aquatic Chronic 2: H411; Asp. Tox. 1: H304; STOT SE 3: H336	12-25%
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LOW BOILING POINT HYDROGEN TREATED NAPHTHA - NAPHTHA (PETROLEUM), HYDRODESULPHURIZED HEAVY

265-185-4	64742-82-1	-	STOT RE 1: H372; Asp. Tox. 1: H304	5-12%
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LOW BOILING POINT NAPHTHA - UNSPECIFIED - SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.

265-199-0	64742-95-6	-	Asp. Tox. 1: H304; Flam. Liq. 3: H226; STOT SE 3: H335; Aquatic Chronic 2: H411	5-12%
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METHANOL

200-659-6	67-56-1	-	Flam. Liq. 2: H225; Acute Tox. 3: H331; Acute Tox. 3: H311; Acute Tox. 3: H301; STOT SE 1: H370	1-3%
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N-HEXANE

203-777-6	110-54-3	-	Flam. Liq. 2: H225; Repr. 2: H361f; Asp. Tox. 1: H304; STOT RE 2: H373; Skin Irrit. 2: H315; STOT SE 3: H336; Aquatic Chronic 2: H411	<1%
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Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Wash out mouth with water. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

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

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: Headaches or general malaise may result.

Inhalation: Exposure may cause coughing or wheezing.

Delayed / immediate effects: No relevant safety data available.

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

Immediate / special treatment: No relevant safety data available.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Use water spray to cool containers. Dry chemical powder. Water spray. Carbon dioxide. Alcohol resistant foam.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

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Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Do not use equipment in clean-up procedure which may produce sparks.

6.4. Reference to other sections

Reference to other sections: none

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed. The floor of the storage room must be impermeable to prevent the escape of liquids.

Suitable packaging: Must only be kept in original packaging.

Storage quantity limits: nicht verfügbar

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

PROPANE

Workplace exposure limits:

Respirable dust

State	Workplace exposure limits		Respirable dust	
	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	1800 mg/m ³	7200 mg/m ³	-	-

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BUTANE

UK	1450 mg/m ³	1810 mg/m ³	-	-
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METHANOL

UK	266 mg/m ³	333 mg/m ³	-	-
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N-HEXANE

UK	72 mg/m ³	-	-	-
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DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area. The floor of the storage room must be impermeable to prevent the escape of liquids.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Protective gloves. The glove material has to be impermeable and resistant to the product/the substance/the preparation. Selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. Guideline DIN EN 374. Nitrile gloves.

Eye protection: Tightly fitting safety goggles.

Skin protection: Protective clothing.

Environmental: no further relevant information available.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Aerosol

Colour: Black

Odour: Characteristic odour

Evaporation rate: Fast

Solubility in water: Not miscible

Also soluble in: Most organic solvents.

Melting point/range°C: nicht verfügbar

upper: 9,5

Part. coeff. n-octanol/water: nicht verfügbar

Vapour pressure: 3,4 bar

VOC g/l: max. 840

Flammability limits %: lower: 1,5

Flash point°C: -21

Autoflammability°C: 490

Relative density: 0,8

9.2. Other information

Other information: 2004/42/EG/IIB(e) (VOC max840 g/l)<840

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Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: no dangerous reactions known

10.4. Conditions to avoid

Conditions to avoid: Heat. Hot surfaces. Sources of ignition. Flames.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

LOW BOILING POINT NAPHTHA - UNSPECIFIED - SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.

ORL	RAT	LD50	8400	mg/kg
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METHANOL

IVN	RAT	LD50	2131	mg/kg
ORL	MUS	LD50	7300	mg/kg
ORL	RAT	LD50	5628	mg/kg

N-HEXANE

IPR	RAT	LDLO	9100	mg/kg
IVN	MUS	LDLO	831	mg/kg
ORL	RAT	LD50	25	gm/kg

Toxicity values: No data available.

Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: Headaches or general malaise may result.

Inhalation: Exposure may cause coughing or wheezing.

Delayed / immediate effects: No relevant safety data available.

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Other information: No further relevant informations available.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: No data available.

12.2. Persistence and degradability

Persistence and degradability: No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

12.4. Mobility in soil

Mobility: No data available.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Toxic to aquatic organisms.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: According local law.

Recovery operations: No further relevant informations available.

Waste code number: 160504

Disposal of packaging: Do not discard or scrap empty spray. Dispose according to the local regulations and laws.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

14.1. UN number

UN number: UN1950

14.2. UN proper shipping name

Shipping name: AEROSOLS

14.3. Transport hazard class(es)

Transport class: 2 (5F)

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14.4. Packing group

Packing group: nicht anwendbar

14.5. Environmental hazards

Environmentally hazardous: Yes

Marine pollutant: Yes

14.6. Special precautions for user

Tunnel code: D

Transport category: 2

Section 15: Regulatory information

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

15.2. Chemical Safety Assessment

Section 16: Other information

Other information

Other information: Safety Data Sheet according to Regulation (EC) No 1907/2006

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

Phrases used in s.2 and s.3: H220: Extremely flammable gas.

H222: Extremely flammable aerosol.

H225: Highly flammable liquid and vapour.

H226: Flammable liquid and vapour.

H229: Pressurised container: May burst if heated

H301: Toxic if swallowed.

H304: May be fatal if swallowed and enters airways.

H311: Toxic in contact with skin.

H315: Causes skin irritation.

H331: Toxic if inhaled.

H335: May cause respiratory irritation.

H336: May cause drowsiness or dizziness.

H361f: Suspected of damaging fertility.

H370: Causes damage to organs <or state all organs affected, if known> <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H372: Causes damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H373: May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H411: Toxic to aquatic life with long lasting effects.

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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.