

Material Safety Data Sheet (91/155/EEC)

Date: 08.01.2007
Last revised: 07.12.2005
Our ref: 0037.5/H(DR)

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1. Product and company information

Commercial product name: **SX Activator**

Supplier: Siroflex Ltd, Dodworth Business Park, Dodworth Barnsley S75 3SP, telephone: 01226 771600, facsimile: 01226 771601

Emergency phone: 01226 771600 (after working time)

email to technical@siroflex.co.uk

2. Composition/information on ingredients

Chemical characterisation

<u>Hazardous ingredients</u>	<u>Weight-%</u>	<u>EINECS</u>	<u>CAS</u>	<u>Symbols</u>
BUTANE	10-30	203-448-7	106-97-8	[F+] R12
PROPANE	10-30	200-827-9	74-98-6	[F+] R12
ISOBUTANE	1-10	200-857-2	75-28-5	[F+] R12
N,N-DIMETHYL-P-TOLUIDINE	<1	202-805-4	99-97-8	[F] R11; [Xi] R38; [N] R50/53; [Xn] R65; [-] R67

3. Hazard identification

Main hazards:

Extremely flammable. Irritating to skin. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Vapours may cause drowsiness and dizziness.

Other hazards:

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

4. First aid measures (SYMPTOMS)

Skin contact:

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

Eye contact:

There may be irritation and redness. The eyes may water profusely.

Ingestion:

There may be soreness and redness of the mouth and throat.

Inhalation:

There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

4. First aid measures (ACTION)

Skin contact:

Remove all contaminated clothes and footwear immediately unless stuck to the skin. 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.

5. Fire fighting measures

Extinguishing media:

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

Exposure hazards:

Highly flammable. In combustion emits toxic fumes. Forms explosive air-mixture. Vapour may travel considerable distance to source of ignition and flash back.

Protection of fire-fighters:

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

6. Accidental release measures

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. Eliminate all sources of ignition.

Environmental precautions:

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

Clean-up procedures:

Absorb into dry earth or sand. Transfer to a closeable, labelled salvage container for disposal by an appropriate method. Do not use equipment in clean-up procedure which may produce sparks.

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7. Handling and storage

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. Smoking is forbidden. Use non-sparking tools.

Storage conditions:

Store in cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition. Prevent the build up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment are not a source of ignition.

8. Exposure controls and personal protection

Hazardous Ingredients:

BUTANE
WEL (8 hr exposure limit): 1450 mg/ m3 WEL (15 min exposure limit): 1810 mg/m3
PROPANE
WEL (8 hr exposure limit): 1800mg/m3 WEL (15 minute exposure limit): 7200 mg/m3
ISOBUTANE
WEL (8 hr exposure limit): 2400 mg/m3 WEL (15 minute exposure limit): 9600 mg/m3
HEPTANE
WEL (8 hr exposure limit): 2100 mg/m3 WEL (15 minute exposure limit): 8400 mg/m3

Engineering measures:

Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

Respiratory protection:

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

Hand protection:

Protective gloves.

Eye protection:

Safety glasses. Ensure eye bath is to hand.

Skin protection:

Protective clothing.

9. Physical and chemical properties

State:

Aerosol

Flash point °C:

-11

10. Stability and reactivity

Stability:

Stable under normal conditions. Stable at room temperature.

Conditions to avoid:

Heat. Hot surfaces. Sources of ignition. Flames

Materials to avoid:

Oxidising agents. Acids.

Hazardous decomposition products:

In combustion emits toxic fumes.

11. Toxicological information

Hazardous ingredients:

N,N-DIMETHYL-P-TOLUIDINE
IPR MUS LD50 212 mg/kg
HEPTANE

Routes of exposure:

IVN MUS LD50 222 mg/kg

Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

12. Ecological information

Mobility:

Readily absorbed into soil.

Persistence and degradability:

Biodegradable.

Bioaccumulative potential:

No bioaccumulation potential

Other adverse effects:

Negligible ecotoxicity

13. Disposal considerations

NB:

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

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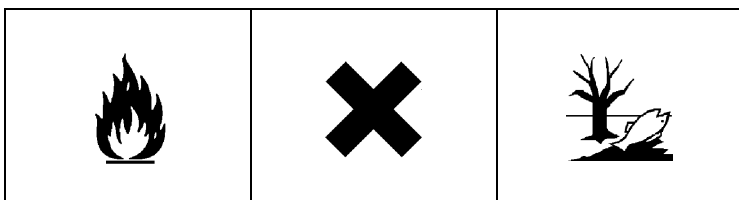
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14. Transport information

<u>ADR/RID:</u>	UN no:	1950
	ADR Class:	2.1
	Shipping name:	AEROSOLS (IATA ONLY), FLAMMABLE
	Labelling:	2.1
<u>IMDG/IMO:</u>	UN no:	1950
	Labelling:	2.1
<u>IATA/ICAO:</u>	UN no:	1950
	Class:	2.1
	Packing instructions:	203
	Labelling:	2.1

15. Regulatory information

Hazard Symbols: Extremely flammable.
Dangerous for the environment.
Irritant



Risk Phrases: R12: Extremely flammable.
R38: Irritating to skin.
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R67: Vapours may cause drowsiness and dizziness.

Safety Phrases: S16: Keep away from sources of ignition.
S24/25: Avoid contact with skin and eyes.
S37/39: Wear suitable gloves and eye/ face protection.
S51: Use only in well ventilated areas.
S61: Avoid release to the environment. Refer to special instructions/safety data sheets.

Precautionary phrases: Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition – No smoking. Keep out of the reach of children.

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. Other information

Risk phrases used in s.2:

R12:	Extremely flammable.
R23/24/25:	Toxic by inhalation, in contact with skin and if swallowed.
R33:	Danger of cumulative effects.
R52/53:	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R11:	Highly flammable.
R38:	Irritating to skin.
R51/53:	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65:	Harmful: May cause lung damage if swallowed.
R67:	Vapours may cause drowsiness and dizziness.
R50/53:	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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.