


<b>MATERIAL SAFETY DATA SHEET: Techform Sil 250-750 ml</b>		<b>Techplast Sp.z o.o.</b> <b>www.techform.pl</b>
Creation date: 01.2015 r. Replaces:06.2015		Str. 1 /8
Zgodnie z Rozporządzeniem Komisji (UE) nr 453/2010 z dnia 20 maja 2010 roku zmieniającym Rozporządzenie (WE) nr 1907/2006 Parlamentu Europejskiego i Rady z dnia 18 grudnia 2006 roku w sprawie rejestracji, oceny, udzielania zezwoleń i stosowanych ograniczeń w zakresie chemikaliów (REACH) (DU Unii Europejskiej seria L nr 133 z 31maja 2010 roku)		

## **SECTION 1: Identification of the substance/mixture and of the company/undertaking**

1.1	<b>Product identifier</b>	Techform Sil – in aerosol 250 – 750 ml.
1.2	<b>Relevant identified uses of the substance or mixture and uses advised against</b>	Release Agent
1.3	<b>Details of the supplier of the safety data sheet</b>	<p>TECHPLAST Sp. Z o.o., ul.Ciepłownicza 8, 35-959 Rzeszów  e-mail: <a href="mailto:biuro@techform.pl">biuro@techform.pl</a>  tel: +48 17 8642016</p> <p><b>EMERGENCY TELEPHONE NUMBER</b>  112 – ogólny telefon alarmowy</p> <p>+48 17 8642016  (czynny w godzinach 8:00 – 16:00)</p>

## **SECTION 2: Hazards identification**

2.1	Classification of the substance or mixture	According (we) no 1272/2008 – CLP
	Health	<p>Specific target organ toxicity (single exposure) STOT SE3  H336 - May cause drowsiness or dizziness</p> <p>Aspiration Toxicity  H304 - May be fatal if swallowed and enters airways</p> <p>Skin corrosion / irritation  H 315 - Causes skin irritation</p>
	Environment	<p>Hazardous to the aquatic environment  H411 - Toxic to aquatic life with long lasting effects</p>
	Physical	H 222 - Extremely flammable aerosol
2.2	<b>Label elements</b>	 <p><b>H222</b> Extremely flammable aerosol  <b>H229</b> Pressurised container: May burst if heated</p>

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		<p><b>H315</b> Causes skin irritation  <b>H336</b> May cause drowsiness or dizziness  <b>H411</b> Toxic to aquatic life with long lasting effects</p> <p><b>P102</b> : Keep out of reach of children.  <b>P210</b> : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  <b>P211</b> : Do not spray on an open flame or other ignition source.  <b>P251</b> : Do not pierce or burn, even after use.  <b>P261</b> : Avoid breathing dust/fumes/gas/mist/vapours/spray.  <b>P271</b> : Use only outdoors or in a well-ventilated area.  <b>P410/412</b> : Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.</p> <p>Hazardous components:   Naphtha, hydrodesulfurized and dearomatized (petroleum), (benzene content of &lt;0.1%)</p>
2.3	<b>Other hazards</b>	The product does not contain ingredients that meet the criteria for PBT or vPvB according to Annex. XIII Reg. REACH.

Notes: H, P and K

### **SECTION 3: Composition/information on ingredients**

Hazardous ingredient	Registration no	Indeks no	Cas no	We no	% w/w	According to (we) no 1272/2008	
						Hazard class and category	Hazard statement
Hydrocarbons, petroleum distillate	01-21194751 33-xx-xxxx	649-343-00-3	93763-33-8	297-852-0	5 – 25 %	Flam. Liq. 2	H225
						Aquatic Chronic 2	H411
						Skin. Irrit. 2 Asp. Tox. 1 Repr. 2 STOT SE 3 STOT RE 2	H315 H304 H361 H336 H373
Gas: propane, butane			74-98-6	200-827-9	10 - 40 %	Flam. Gas 1	H220

Explanation phrases : see chapter 16.

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#### **SECTION 4: First aid measures**

4.1	<b>General Advice</b>	If you feel unwell, seek medical advice (show the label where possible) If symptoms persist always call a doctor
	<b>Contact with skin</b>	Irritating to skin Symptoms : redness and pain. Remove contaminated clothing immediately and drench affected skin with plenty of water. Then wash with soap and water.
	<b>Contact with eyes</b>	May cause irritation. Symptoms : redness and pain. If substance has got into eyes, immediately wash out with plenty of water Seek medical advice
	<b>Inhalation</b>	Fresh air, keep warm and at rest. Seek medical attention if ill effects occur.
	<b>Ingestion</b>	After vomiting of swallowed product aspiration into lungs is likely. Solvents may induce chemical pneumonia.If swallowed do not induce vomiting because of risk of aspiration into the lungs. If aspiration is suspected obtain immediate medical attention

#### **SECTION 5: Firefighting measures**

5.1	<b>Extinguishing media</b>	foam, carbon dioxide or dry agent
	<b>Wrong extinguishing media</b>	Strong stream of water
5.2	<b>Special hazards arising from the substance or mixture</b>	Aerosols may explode if heated above 50°C Forms hazardous decomposition products CO,CO2.
5.3	<b>Advice for firefighters</b>	Keep container(s) exposed to fire cool, by spraying with water In case of fire, do not breathe fumes

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## **SECTION 6: Accidental release measures**

6.1	<b>Personal precautions, protective equipment and emergency procedures</b>	Shut off all ignition sources Ensure adequate ventilation Wear suitable protective clothing and gloves.
6.2	<b>Environmental precautions</b>	Do not allow to enter public sewers and watercourses
6.3	<b>Methods and material for containment and cleaning up</b>	Absorb spillage in suitable inert material

## **SECTION 7: Handling and storage**

7.1	<b>Precautions for safe handling</b>	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	<b>Conditions for safe storage, including any incompatibilities</b>	Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50°C. Keep out of reach of children.

## **SECTION 8: Exposure controls/personal protection**

8.1	<b>Exposure limits</b>	Propane NDS: 1800 mg/m3 Butane NDS: 1900 mg/m3 Butane NDSCh: 3000 mg/m3 Hydrocarbons: n-hexane: NDS: 72 mg/m3 hexane isomers: NDS: 400 mg/m3 NDSCh: 3200 mg/m3
8.2	<b>Exposure controls</b>	<b>Control procedures</b> : Ensure adequate ventilation

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	<p>Keep away from heat and sources of ignition Take precautionary measures against static discharges <b>Personal protection</b> : Take precautions to avoid contact with skin and eyes when handling the product. Ensure adequate ventilation <b>inhalation</b> : In case of insufficient ventilation, wear suitable respiratory equipment. <b>hands and skin</b> : Wear suitable protective gloves (nitrile) <b>eyes</b> : Wear safety goggles.</p>
<b>Environment controls</b>	see section 7

### **SECTION 9: Physical and chemical properties**

9.1	<b>physical state</b>	Propane/butane propelled liquid
9.2	<b>odour</b>	Solvent
9.3	<b>pH</b>	Not applicable
9.4	<b>Boiling point</b>	60 °C
9.5	<b>Auto-ignition</b>	> 250 °C
9.7	<b>Explosion limits</b>	<b>upper limit</b> : 19 % <b>lower limit</b> : 1.1 %
9.10	<b>Relative density</b>	0,7 g/cm3
9.11	<b>Solubility</b>	Soluble in solvents. Insoluble in water.
9.12	<b>Viscosity</b>	Not available
9.13	<b>Vapour pressure</b>	Not available

### **SECTION 10: Stability and reactivity**

10.1	<b>Conditions to avoid</b>	Avoid overheating
10.2	<b>Incompatible materials</b>	Strong oxidising agent
10.3	<b>Hazardous decomposition products</b>	CO,CO2
10.4	<b>Reactivity</b>	No hazardous reactions known if used for its intended purpose. Stable.

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## **SECTION 11: Toxicological information**

11.1	<b>Toxicological data</b>	Hazardous ingredients Hydrocarbon solvent:  LD <sub>50</sub> oral, rat > 5000 mg/kg LD <sub>50</sub> derm, rabbit > 3160 mg/kg LC <sub>50</sub> inhalation, rat > 12 mg/dm <sup>3</sup> /6 h > 5,24 mg/dm <sup>3</sup> /4h
11.2	<b>Information on toxicological effects</b>	<b>Inhalation</b> : Inhalation of solvent vapours may give rise to nausea, headaches and dizziness <b>Ingestion</b> : After vomiting of swallowed product aspiration into lungs is likely. Solvents may induce chemical pneumonia. <b>Skin contact</b> : Irritating to skin <b>Eye contact</b> : May cause irritation.

## **SECTION 12: Ecological information**

12.1	<b>Ecotoxicological data</b>	R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Hydrocarbons solvent crustaceans : <i>Crangon, crangon</i> LC <sub>50</sub> /96h – 4,3 mg/dm <sup>3</sup> <i>Chaetogammarus marinus</i> LC <sub>50</sub> /96h – 2,6 mg/dm <sup>3</sup>
12.2	<b>Mobility</b>	Insoluble in water.
12.3	<b>Persistence and degradability</b>	The solvent is not hydrolyzed in water under natural conditions. Fumes are photodegradation.
12.4	<b>Bioaccumulative potential</b>	No information available
12.5	<b>Results of PBT and vPvB assessment</b>	No information available
12.6	<b>Other adverse effects</b>	Propellant does not damage the ozone layer. Do not allow the preparation without cleaning to the drains or waterways.

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### **SECTION 13: Disposal considerations**

13.1	<b>Waste treatment methods - produkt</b>	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
	<b>Waste treatment methods - packaging</b>	Disposal should be in accordance with local, state or national legislation

### **SECTION 14: Transport information**

14.1	<b>UN number</b>	1950
14.2	<b>UN proper shipping name</b>	Aerosols
14.3	<b>Transport hazard class(es)</b>	ADR: class 2, code 5F, D RID: class 2 , code 5F IATA: class 2.1 , Y203 IMDG: class 2.1, F-D, S-U
14.4	<b>Packing group</b>	Not applicable

### **SECTION 15: Regulatory information**

15.1	<b>Safety, health and environmental regulations/legislation specific for the substance or mixture.</b>	
	<b>Acts</b>	The Safety Data Sheet is compiled according to the current European requirements. Dir. 2008/47/EC amendment of the aerosol dispenser directive 75/324/EEC. EU-directive 99/45/EC Regulation (EC) No 1907/2006 (REACH)

### **SECTION 16: Other information**

16.1	<b>Explanation risk-phrases</b> <b>Explanation hazard statements</b>	Explanation hazard statements: H220 – Extremely flammable gas H225 : Highly flammable liquid and vapour. H301 : Toxic if swallowed.
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		<p>H304 – May be fatal if swallowed and enters airways.  H311 : Toxic in contact with skin.  H315 – Causes skin irritation.  H331 : Toxic if inhaled.  H336 – May cause drowsiness or dizziness.  H361 – Suspected of damaging fertility or the unborn child .  H370 : Causes damage to organs .  H373 – May cause damage to organs through prolonged or repeated exposure <i>exposure cause the hazard</i>&gt;  H411 – Toxic to aquatic life with long lasting effects.</p>
16.2	<b>Information from Manufacturer</b>	<p>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 Techplast.</p>