

SAFETY DATA SHEET

Central Solutions (GB) Limited - SOL-X-Flex Filler Grey 500ml Aerosols

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

1.1. Product identifier

Product name Flex Filler Grey
Product number 89

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

Identified uses Primer.

1.3. Details of the supplier of the safety data sheet

Supplier Central Solutions (GB) Ltd.
Askern Industrial Estate
Moss Road
Askern
Doncaster
DN6 0DD
+44 (0) 1302 708 895
Email: info@solxsolutions.com
www.solxsolutions.com

1.4. Emergency telephone number

Emergency telephone +44 (0) 1302 708 895 (Hours 09:00 - 17:00 Mon to Fri)

SECTION 2: Hazards identification

2.1. Classification of the substance or

mixture Classification

Physical hazards

Aerosol 1 - H222, H229

Health hazards

Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H336 STOT RE 2 - H373

Environmental hazards

Not Classified

Classification (67/548/EEC or 1999/45/EC)

F+; R12. Xn; R48/20/21/22. Xi; R36/38. R67

Human health

Vapours and spray/mists in high concentrations are narcotic.

Environmental

The product is not expected to be hazardous to the environment.

Physicochemical

Containers can burst violently or explode when heated, due to excessive pressure build-up. The product is extremely flammable. Vapours may form explosive mixtures with air.

2.2. Label elements

Pictogram



Signal word

Danger

Hazard statements

Central Solutions (GB) Limited - SOL-X-Flex Filler Grey 500ml Aerosols

- H222 Extremely flammable aerosol.
- H229 Pressurised container: may burst if heated
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.
- H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

- 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.
- P260 Do not breathe vapour/spray.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P302+P352 IF ON SKIN: Wash with plenty of water.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P312 Call a POISON CENTER/doctor if you feel unwell.
- P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Contains

ACETONE, XYLENE, 1-METHOXY-2-PROPANOL

Supplementary precautionary statements

- P261 Avoid breathing vapour/spray.
- P264 Wash contaminated skin thoroughly after handling.
- P314 Get medical advice/attention if you feel unwell.
- P321 Specific treatment (see medical advice on this label).
- P332+P313 If skin irritation occurs: Get medical advice/attention.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with national regulations.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on

ingredients 3.2. Mixtures

PETROLEUM GASES, LIQUEFIED CAS number: 68476-85-7 EC number: 270-704-2	30-60%
Classification Flam. Gas 1 - H220 Press. Gas, Compressed - H280	Classification (67/548/EEC or 1999/45/EC)
ACETONE CAS number: 67-64-1 EC number: 200-662-2	10-30%
Classification Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336 STOT SE 3 - H336	Classification (67/548/EEC or 1999/45/EC)

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XYLENE		10-30%
CAS number: 1330-20-7 EC number: 215-535-7 REACH registration number: 01-2119488216-32-XXXX		
Classification Flam. Liq. 3 - H226 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335 STOT RE 2 - H373 Asp. Tox. 1 - H304	Classification (67/548/EEC or 1999/45/EC) Xn; R65, R48/20/21/22, R20/21. Xi; R36/37/38. R10	
2-METHOXY-1-METHYLETHYL ACETATE		5-10%
CAS number: 108-65-6 EC number: 203-603-9 REACH registration number: 01-2119475791-29-XXXX		
Classification Flam. Liq. 3 - H226	Classification (67/548/EEC or 1999/45/EC)	
1-METHOXY-2-PROPANOL		1-5%
CAS number: 107-98-2 EC number: 203-539-1 REACH registration number: 01-2119457435-35-XXXX		
Classification Flam. Liq. 3 - H226 STOT SE 3 - H336	Classification (67/548/EEC or 1999/45/EC)	
BUTANONE		<1%
CAS number: 78-93-3 EC number: 201-159-0		
Classification Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336 STOT SE 3 - H336	Classification (67/548/EEC or 1999/45/EC)	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.

Inhalation

Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If in doubt, get medical attention promptly.

Ingestion

Rinse mouth thoroughly with water. Remove person to fresh air and keep comfortable for breathing. Get medical attention.

Skin contact

Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.

Eye contact

Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

Protection of first aiders

First aid personnel should wear appropriate protective equipment during any rescue.

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

General information

See Section 11 for additional information on health hazards.

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

Notes for the doctor

Treat symptomatically.

Central Solutions (GB) Limited - SOL-X-Flex Filler Grey 500ml Aerosols

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Foam, carbon dioxide or dry powder.

5.2. Special hazards arising from the substance or mixture

Specific hazards

Containers can burst violently or explode when heated, due to excessive pressure build-up.

5.3. Advice for firefighters

Protective actions during firefighting

Use water to keep fire exposed containers cool and disperse vapours. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Avoid inhalation of vapours and contact with skin and eyes. Ensure suitable respiratory protection is worn during removal of spillages in confined areas.

6.2. Environmental precautions

Environmental precautions

Avoid discharge into drains.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb in vermiculite, dry sand or earth and place into containers.

6.4. Reference to other sections

Reference to other sections

For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions

Keep away from heat, sparks and open flame. Read and follow manufacturer's recommendations. When sprayed on a naked flame or any incandescent material the aerosol vapours can be ignited. Use suitable respiratory protection if ventilation is inadequate.

Advice on general occupational hygiene

Wash promptly with soap and water if skin becomes contaminated.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Do not store near heat sources or expose to high temperatures. Keep away from heat, sparks and open flame.

7.3. Specific end use(s)

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

Central Solutions (GB) Limited - SOL-X-Flex Filler Grey 500ml Aerosols

XYLENE

Short-term exposure limit (15-minute): WEL 441 100

Long-term exposure limit (8-hour TWA): WEL 220 50

1-METHOXY-2-PROPANOL

Short-term exposure limit (15-minute): 560 mg/m³ 150 ppm

Long-term exposure limit (8-hour TWA): 375 mg/m³ 100 ppm

BUTANONE

Short-term exposure limit (15-minute):

Long-term exposure limit (8-hour TWA):

WEL = Workplace Exposure Limit

Central Solutions (GB) Limited - SOL-X-Flex Filler Grey 500ml Aerosols**ACETONE (CAS: 67-64-1)**

DNEL	Workers - Dermal; Long term systemic effects: 186 mg/kg/day Workers - Inhalation; Short term local effects: 2420 mg/m ³ Workers - Inhalation; Long term systemic effects: 1210 mg/m ³
PNEC	- Sediment (Freshwater); 30.4 mg/kg - Sediment (Marinewater); 3.04 mg/kg - Marine water; 1.06 mg/l - Soil; 29.5 mg/kg

XYLENE (CAS: 1330-20-7)

DNEL	Consumer - Dermal; Long term systemic effects: 108 mg/kg/day Workers - Dermal; Long term systemic effects: 180 mg/kg/day Consumer - Inhalation; Short term local effects: 174 mg/m ³ Consumer - Inhalation; Short term systemic effects: 174 mg/m ³ Workers - Inhalation; Short term systemic effects: 289 mg/m ³ Workers - Inhalation; Short term local effects: 289 mg/m ³ Consumer - Inhalation; Long term systemic effects: 14.8 mg/m ³ Workers - Inhalation; Long term systemic effects: 77 mg/m ³
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2-METHOXY-1-METHYLETHYL ACETATE (CAS: 108-65-6)

DNEL	Consumer - Oral; Long term systemic effects: 1.67 mg/kg/day Consumer - Dermal; Long term systemic effects: 54.8 mg/kg/day Workers - Dermal; Long term systemic effects: 153.5 mg/kg/day Consumer - Inhalation; Long term systemic effects: 33 mg/m ³ Workers - Inhalation; Long term systemic effects: 275 mg/m ³
PNEC	- Fresh water; 0.635 mg/l - Sediment (Freshwater); 3.29 mg/kg - Sediment (Marinewater); 0.329 mg/kg - Soil; 0.29 mg/kg

1-METHOXY-2-PROPANOL (CAS: 107-98-2)

DNEL	Consumer - Oral; Long term systemic effects: 3.3 mg/kg/day Consumer - Dermal; Long term systemic effects: 18.1 mg/kg/day Consumer - Dermal; Long term systemic effects: 50.6 mg/kg/day Workers - Inhalation; Short term local effects: 553.5 mg/m ³ Consumer - Inhalation; Long term systemic effects: 43.9 mg/m ³ Workers - Inhalation; Long term systemic effects: 369 mg/m ³
PNEC	- Fresh water; 10 mg/l - Sediment (Freshwater); 41.6 mg/kg - Intermittent release; 100 mg/l - Sediment (Marinewater); 4.17 mg/kg - Marine water; 1 mg/l - Soil; 2.47 mg/kg

BUTANONE (CAS: 78-93-3)

DNEL	Consumer - Dermal; Long term systemic effects: 412 mg/kg/day Consumer - Oral; Long term systemic effects: 31 mg/kg/day Workers - Dermal; Long term systemic effects: 1161 mg/kg/day Consumer - Inhalation; Long term systemic effects: 106 mg/m ³ Workers - Inhalation; Long term systemic effects: 600 mg/m ³
PNEC	- Fresh water; 55.8 mg/l - Sediment (Freshwater); 284.7 mg/kg - Intermittent release; 55.8 mg/l - Sediment (Marinewater); 284.7 mg/kg - Marine water; 55.8 mg/l - STP; 709 mg/l - Soil; 22.5 mg/kg

8.2. Exposure controls**Eye/face protection**

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.

Hand protection

No specific hand protection recommended.

Other skin and body protection

Wear suitable protective equipment for prolonged exposure and/or high concentrations of vapours, spray or mist.

Central Solutions (GB) Limited - SOL-X-Flex Filler Grey 500ml Aerosols

Respiratory protection

No specific recommendations. If ventilation is inadequate, suitable respiratory protection must be worn.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance

Aerosol.

Colour

Grey.

Odour

Solvents

Odour threshold

No information available.

pH

No information available.

Melting point

No information available.

Initial boiling point and range

-41 (-41 TO 143)°C @

Flash point

-40°C CC (Closed cup).

Evaporation rate

No information available.

Evaporation factor

No information available.

Flammability (solid, gas)

No information available.

Upper/lower flammability or explosive limits

Lower flammable/explosive limit: 0.8 % Upper flammable/explosive limit: 13.1 %

Vapour pressure

No information available.

Vapour density

No information available.

Relative density

0.77

Solubility(ies)

Insoluble in water.

Partition coefficient

No information available.

Auto-ignition temperature

270°C

Decomposition Temperature

No information available.

Viscosity

No information available.

Oxidising properties

No information available.

9.2. Other information

Other information

None.

SECTION 10: Stability and

reactivity 10.1. Reactivity

Central Solutions (GB) Limited - SOL-X-Flex Filler Grey 500ml Aerosols

No test data specifically related to reactivity available for this product or its ingredients.

10.2. Chemical stability

Stability

The product may not be stable under some conditions of storage or use.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition. Avoid exposing aerosol containers to high temperatures or direct sunlight.

10.5. Incompatible materials

Materials to avoid

None known.

10.6. Hazardous decomposition products

None at ambient temperatures.

SECTION 11: Toxicological information

11.1. Information on toxicological

effects Acute toxicity - dermal

ATE dermal (mg/kg)

8545.34861138

Acute toxicity - inhalation

ATE inhalation (vapours mg/l)

85.45348611

Inhalation

Vapours in high concentrations are narcotic. Vapours may cause headache, fatigue, dizziness and nausea.

Skin contact

Causes skin irritation.

Eye contact

Causes serious eye irritation.

Acute and chronic health hazards

May cause damage to organs through prolonged or repeated exposure.

Route of entry

Skin and/or eye contact Inhalation

Toxicological information on ingredients.

Central Solutions (GB) Limited - SOL-X-Flex Filler Grey 500ml Aerosols

ACETONEAcute toxicity - oral

Acute toxicity oral (LD50 mg/kg)

5,800.0

Species

Rat

ATE oral (mg/kg)

5,800.0

Acute toxicity - dermal

Acute toxicity dermal (LD50 mg/kg)

7800.0

Species

Rabbit

ATE dermal (mg/kg)

7800.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC50 vapours mg/l)

21.0

Species

Rat

ATE inhalation (vapours mg/l)

21.0

XYLENEAcute toxicity - dermal

ATE dermal (mg/kg)

1100

Acute toxicity - inhalation

ATE inhalation (vapours mg/l)

11.0

2-METHOXY-1-METHYLETHYL ACETATEAcute toxicity - oral

Acute toxicity oral (LD50 mg/kg)

5,001.0

Species

Rat

ATE oral (mg/kg)

5,001.0

Acute toxicity - dermal

Acute toxicity dermal (LD50 mg/kg)

5001.0

Species

Rabbit

ATE dermal (mg/kg)

5001.0

Central Solutions (GB) Limited - SOL-X-Flex Filler Grey 500ml Aerosols

1-METHOXY-2-PROPANOLAcute toxicity - oral

Acute toxicity oral (LD50 mg/kg)

5,660.0

Species

Rat

ATE oral (mg/kg)

5,660.0

Acute toxicity - dermal

Acute toxicity dermal (LD50 mg/kg)

13000.0

Species

Rabbit

ATE dermal (mg/kg)

13000.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC50 vapours mg/l)

54.6

Species

Rat

ATE inhalation (vapours mg/l)

54.6

BUTANONEAcute toxicity - oral

Acute toxicity oral (LD50 mg/kg)

2,194.0

Species

Rat

ATE oral (mg/kg)

2,194.0

Acute toxicity - dermal

Acute toxicity dermal (LD50 mg/kg)

5001.0

Species

Rabbit

ATE dermal (mg/kg)

5001.0

SECTION 12: Ecological Information**12.1. Toxicity**

Central Solutions (GB) Limited - SOL-X-Flex Filler Grey 500ml Aerosols

Ecological information on ingredients.

ACETONE

Acute toxicity - fish

EC₅₀, 96 hours: 8300 mg/l, Lepomis macrochirus (Bluegill)

Acute toxicity - aquatic invertebrates

EC₅₀, : 8800 mg/l, Daphnia magna

XYLENE

Acute toxicity - fish

LOEC, : >1 - <10 mg/l, Fish

Acute toxicity - aquatic plants

LOEC, : >1 - <10 mg/l, Algae

2-METHOXY-1-METHYLETHYL ACETATE

Acute toxicity - fish

LOEC, : >100 mg/l, Fish

Acute toxicity - aquatic plants

LOEC, : >100 mg/l, Algae

Acute toxicity - microorganisms

LOEC, : >100 mg/l, Activated sludge

1-METHOXY-2-PROPANOL

Acute toxicity - fish

LC₅₀, 96 hours: 20800 mg/l, Pimephales promelas (Fat-head Minnow)

Acute toxicity - aquatic invertebrates

EC₅₀, 48 hours: 23300 mg/l, Daphnia magna

Acute toxicity - aquatic plants

EC₅₀, : 1001 mg/l, Selenastrum capricornutum

BUTANONE

Acute toxicity - fish

LC₅₀, 24 hours: 5001 mg/l, Fish

Acute toxicity - aquatic plants

LOEC, : 101 mg/l, Algae

12.2. Persistence and degradability

Persistence and degradability

No data available.

12.3. Bioaccumulative potential

Partition coefficient

No information available.

12.4. Mobility in soil

Mobility

No data available

12.5. Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information

Dispose of waste product or used containers in accordance with local regulations

Disposal methods

Containers should be thoroughly emptied before disposal because of the risk of an explosion. Do not pierce or burn, even after use.

Central Solutions (GB) Limited - SOL-X-Flex Filler Grey 500ml Aerosols**SECTION 14: Transport information****14.1. UN number**

UN No. (ADR/RID)	1950
UN No. (IMDG)	1950
UN No. (ICAO)	1950
UN No. (ADN)	1950

14.2. UN proper shipping name

Proper shipping name (ADR/RID)	AEROSOLS
Proper shipping name (IMDG)	AEROSOLS
Proper shipping name (ICAO)	AEROSOLS
Proper shipping name (ADN)	AEROSOLS

14.3. Transport hazard class(es)

ADR/RID class	2.1
ADR/RID classification code	5F
ADR/RID label	2.1
IMDG class	2.1
ICAO class/division	2.1
ADN class	2.1

Transport labels**14.4. Packing group**

Not applicable.

14.5. Environmental hazards**Environmentally hazardous substance/marine pollutant**

No.

14.6. Special precautions for user

EmS	F-D, S-U
ADR transport category	2
Tunnel restriction code	(D)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations**

The Aerosol Dispensers Regulations 2009 (SI 2009 No. 2824).

EU legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision date 17/07/2014

Central Solutions (GB) Limited - SOL-X-Flex Filler Grey 500ml Aerosols**Revision** 1**SDS number** 4854**Hazard statements in full**

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
H280 Contains gas under pressure; may explode if heated.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H373 May cause damage to organs through prolonged or repeated exposure.

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

