

AUTO-FIT STEEL (1.5 KG CAN)

Product: 138.587

Revision Date: 2008/12/09



Section 1: PRODUCT INFORMATION

Chemical family: Mixture.

Product uses: Chemical.

Supplier: Same as manufacturer.

Manufacturer: Carsystems Inc.
1405 St-Amour
St-Laurent, Quebec
H4S 1T4.

Manufacturer emergency phone number: Canutec 613-996-6666.

TDG classification: FLAMMABLE LIQUID, N.O.S. (styrene)
UN1993
Class 3
PG III.

WHMIS classification: B2, D2A, D2B.

DSL status: The substance(s) which appear in section 2 with CAS numbers appear on the Domestic Substances List.

Revision details: All sections of the M.S.D.S. were revised.

Supplier MSDS date: 2008/12/09

Information phone number: 905-542-2300.

Section 2: HAZARDOUS INGREDIENTS

C.A.S.	CONCENTRATION %	Ingredient Name	T.L.V.	LD/50	LC/50
100-42-5	20-25	STYRENE	20 PPM	2650 MG/KG RAT ORAL 316 MG/KG MOUSE ORAL	11800 MG/M3/4H RAT INHALATION 9500 MG/M3/4H MOUSE INHALATION 21000 MG/M3/2H MOUSE INHALATION
64742-95-6	< 2	LIGHT AROMATIC SOLVENT NAPHTHA (C8-C10)	NOT AVAILABLE	8400 MG/KG RAT ORAL	NOT AVAILABLE
7631-86-9	< 3	AMORPHOUS SILICA	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
	< 3	ALUMINIUM POWDER (STABILIZED)	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE

Section 2A: ADDITIONAL INGREDIENT INFORMATION

Note: (supplier).
CAS# 100-42-5:LC50 11,8 mg/kg/4hr – rat.

Section 3: PHYSICAL DATA

Physical state: Semi-solid.

Appearance & odor: Silver paste.
Styrene odour.

Odor threshold (ppm): Not available.

Vapour pressure (mmHg): (styrene).
35 hpa
@ 50°C

Vapour density (air=1): Not available.

Volatiles (%)

By volume: Not available.

**Evaporation rate
(butyl acetate = 1):** Not available.

Boiling point (°C): (styrene).
145°C

Freezing point (°C): Not available.

pH: Not available.

Specific gravity @ 20 °C: (density).
1.4 g/cm³

Solubility in water (%): (styrene).
@ 20°C
0.30 g/l

Coefficient of water\oil dist.: Not available.

VOC: Not available.

Section 4: FIRE & EXPLOSION DATA

Flammability: Flammable.

Conditions of flammability: Exposure to an ignition source.
Heat, sparks and open flames.

Extinguishing media: Foam
Carbon dioxide.
Powder.

Special procedures: Firefighters should wear the usual protective gear.
Wear a self contained breathing apparatus.

Auto-ignition temperature (°C): (styrene).
490°C

Flash point (°C), method: 31°C
DIN 53213

Lower flammability (styrene).
limit (% vol): 1.1

Upper flammability (styrene).
limit (% vol): 8.0

Explosion Data

Sensitivity to static discharge: Not available.

Sensitivity to mechanical impact: Not available.

Hazardous combustion products: None known.

Explosive power: Not available.

Section 5: REACTIVITY DATA

Chemical stability: Stable under normal conditions.

Conditions of instability: Excessive heat.
Contact with incompatible substances.

Hazardous polymerization: Not available.

**Compatibility With Other
Substances**

Incompatible substances: Peroxides.

**Hazardous decomposition
products:** None known.

Section 6: TOXICOLOGICAL PROPERTIES

Route of entry: Skin contact, eye contact, inhalation and ingestion.

Eye contact: Irritant.

Skin contact: Irritant.

Inhalation: May cause headache and nausea.
Harmful if inhaled.
Irritation of respiratory system.

Ingestion: May be harmful if swallowed.

Effects of chronic exposure: See effects of acute exposure.

LD50 of product, species & route: Not available for mixture, see the ingredients section.

LC50 of product, species & route: Not available for mixture, see the ingredients section.

Exposure limit of material: Not available for mixture, see the ingredients section.

Sensitization to product: Not available.

Carcinogenic effects: Styrene is classified as possibly carcinogenic to humans by IARC (group 2B).

Reproductive effects: Not available.

Teratogenicity: Not available.

Mutagenicity: Styrene may cause mutagenic effects.

Synergistic materials: Not available.

Section 7: PREVENTATIVE MEASURES

Precautionary Measures

Gloves/Type: Rubber or PVC.

Respiratory/Type: NIOSH approved respirator, if necessary.

Eye/Type: Safety glasses or goggles.

Footwear/Type: Safety shoes per local regulations.

Clothing/Type: As required to prevent skin contact.

Other/Type: Eye wash facility should be in close proximity.
Emergency shower should be in close proximity.

Ventilation requirements: Ventilate adequately.

Leak/Spill: Eliminate all sources of ignition.
Evacuate all non-essential personnel.
Prevent entry into drains, sewers, and other waterways.
Absorb residual material with sand or other absorbent material.
Ventilate area.
Wear appropriate protective equipment.
Pick up mechanically.
Place in appropriate container.

Waste disposal: In accordance with municipal, provincial and federal regulations.

Handling procedures and equipment: Avoid eating and drinking during use.
Keep away from heat, sparks, and open flame.
Avoid breathing vapors/mists.
Use adequate ventilation.
Wear personal protective equipment appropriate to task.
Wash clothing before re-use.
Wash thoroughly after handling.
Keep out of reach of children.
Avoid contact with skin, eyes and clothing.
Do not smoke in handling or storage area.

Storage requirements: Store in a cool and well ventilated area.
Store away from incompatible materials.
Keep away from ignition sources.
Protect from moisture.
Protect from light.
Store away from food, drink and animal feed.
Store in tightly sealed containers.

Special shipping information: See transportation information.

Section 8: FIRST AID MEASURES

Skin contact: Remove contaminated clothing.
Wash with mild soap and water.
Obtain immediate medical attention.

Eye contact: Flush with water for at least 15 minutes.
Get medical attention.

Inhalation: Remove victim to fresh air. If not breathing, qualified personnel should administer artificial respiration. Get medical attention.

Ingestion: Get medical attention immediately.
Never give anything by mouth to an unconscious person.

Additional information: 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 inaccuracies.

Section 9: ADDITIONAL INFORMATION
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General note: This material safety data sheet was prepared from information obtained from various sources, including product suppliers and the Canadian Center for Occupational Health and Safety.

Data prepared by: Conform–Action Data Systems
A division of 2843471 Canada Inc.
1804 Transcanada
Dorval, QC H9P 1H7
Tel: (514) 683–2060 Fax: (514) 683–1445
24 hr. 1–866–628–7522 support@netmsds.com.