

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY / UNDERTAKING

PRODUCT NAME: Toluene Solvent & Cleaner for Hypalon Inflatable Boat Fabric

Use of substance/mixture:

Inflatex Ltd.
Uxmore Barn
Uxmore Farm
Kit Lane
Checkendon
RG8 0TY

Tel: +44 1491 340010
info@ribstore.co.uk

2 HAZARDS IDENTIFICATION

Highly flammable. Irritating to skin. Harmful: danger of serious damage to health by prolonged exposure through inhalation. Possible risk of harm to the unborn child. Harmful: may cause lung damage if swallowed. Vapours may cause drowsiness and dizziness.

CLASSIFICATION (1999/45) Xn;R48/20, R65. Repr. Cat. 3;R63. Xi;R38. F;R11. R67.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification (67/548)
TOLUENE	203-625-9	108-88-3	60-100%	F;R11 Repr.Cat.3;R63 Xn;R48/20,R65 Xi;R38 R67
BUTANONE	201-159-0	78-93-3	<1%	F;R11 Xi;R36 R66 R67

The Full Text for all R-Phrases are Displayed in Section 16

4 FIRST-AID MEASURES

INHALATION: Move the exposed person to fresh air at once. For breathing difficulties oxygen may be necessary. If breathing stops, provide artificial respiration. Keep the affected person warm and at rest. Get prompt medical attention.

INGESTION: DO NOT INDUCE VOMITING! Remove victim immediately from source of exposure. Rinse mouth thoroughly. Provide rest, warmth and fresh air. Get medical attention immediately!

SKIN CONTACT: Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.

EYE CONTACT: Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Contact physician if irritation persists.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Fire can be extinguished using: Foam. Dry chemicals, sand, dolomite etc.

SPECIAL FIRE FIGHTING PROCEDURES

Avoid breathing fire vapours. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control.

6 ACCIDENTAL RELEASE MEASURES

SPILL CLEAN UP METHODS

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Clean-up personnel should use respiratory and/or liquid contact protection. Absorb in vermiculite, dry sand or earth and place into containers.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Keep away from heat, sparks and open flame. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Use explosion proof electric equipment.

STORAGE PRECAUTIONS

Flammable/combustible - Keep away from oxidisers, heat and flames. Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

STORAGE CLASS

Flammable liquid storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
BUTANONE	WEL	200 ppm	600 mg/m ³	300 ppm	899 mg/m ³	
TOLUENE	WEL	50 ppm(Sk)	191 mg/m ³ (Sk)	100 ppm(Sk)	384 mg/m ³ (Sk)	

WEL = Workplace Exposure Limit.

INGREDIENT COMMENTS

OES = Occupational Exposure Standard.

PROTECTIVE EQUIPMENT



ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

RESPIRATORY EQUIPMENT

Respiratory protection must be used if air contamination exceeds acceptable level.

HAND PROTECTION

Use protective gloves.

EYE PROTECTION

Use approved safety goggles or face shield.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap & water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Liquid		
COLOUR:	Colourless		
ODOUR:	Organic solvents.		
SOLUBILITY:	Insoluble in water Soluble in: Acetone Miscible with: Alcohol Chloroform Ether.		
BOILING POINT (°C):	110	RELATIVE DENSITY:	0.87 @ 20 °c
FLASH POINT (°C):	4 CC (Closed cup).	FLAMMABILITY LIMIT - LOWER(%):	1.2
FLAMMABILITY LIMIT - UPPER(%):	8.0		

10 STABILITY AND REACTIVITY

STABILITY:	Stable under normal temperature conditions.
CONDITIONS TO AVOID:	Avoid heat. Avoid contact with oxidisers or reducing agents.

HAZARDOUS DECOMPOSITION PRODUCTS:

Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO₂).

11 TOXICOLOGICAL INFORMATION

INHALATION:	Harmful: danger of serious damage to health by prolonged exposure through inhalation. Vapours may cause drowsiness and dizziness.
INGESTION:	Harmful: may cause lung damage if swallowed.
SKIN CONTACT:	Irritating to skin.
ROUTE OF ENTRY:	Inhalation. Skin absorption.
SPECIFIC EFFECTS:	Contains a substance/a group of substances which may cause harm to the unborn child.

12 ECOLOGICAL INFORMATION

ECOTOXICITY:	The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
MOBILITY:	The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces.
BIOACCUMULATION:	The product is not bioaccumulating.

DEGRADABILITY: The product is biodegradable.

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS: Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION



UK ROAD CLASS:	3	UK ROAD PACK GR.:	II
PROPER SHIPPING NAME:	TOLUENE	ADR CLASS:	Class 3: Flammable liquids.
UN NO. ROAD:	1294	TUNNEL RESTRICTION CODE:	(D/E)
ADR CLASS NO.:	3	ADR LABEL NO.:	3
ADR PACK GROUP:	II	CEFIC TEC(R) NO.:	30GF1-I+II
HAZARD No. (ADR):	33	RID PACK GROUP:	II
HAZCHEM CODE:	3YE	IMDG CLASS:	3
RID CLASS NO.:	3	EMS:	F-E, S-D
UN NO. SEA:	1294	AIR CLASS:	3
IMDG PACK GR.:	II		
UN NO. AIR:	1294		
AIR PACK GR.:	II		

15 REGULATORY INFORMATION

LABELLING



Harmful



Highly Flammable

CONTAINS TOLUENE

RISK PHRASES

R11 Highly flammable.
R38 Irritating to skin.
R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R63 Possible risk of harm to the unborn child.
R65 Harmful: may cause lung damage if swallowed.
R67 Vapours may cause drowsiness and dizziness.

SAFETY PHRASES

S9 Keep container in a well-ventilated place.
S16 Keep away from sources of ignition - No smoking.
S24 Avoid contact with skin.
S36/37 Wear suitable protective clothing and gloves.
S51 Use only in well-ventilated areas.
S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

UK REGULATORY REFERENCES

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.

EU DIRECTIVES

Dangerous Substance Directive 67/548/EEC.

STATUTORY INSTRUMENTS

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Control of Substances Hazardous to Health.

APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply.

GUIDANCE NOTES

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

NATIONAL REGULATIONS

Workplace Exposure Limits 2005 (EH40)

16 OTHER INFORMATION**INFORMATION SOURCES**

Dangerous Properties of Industrial Materials Report, N.Sax et.al.

REVISION COMMENTS**RISK PHRASES IN FULL**

R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R65 Harmful: may cause lung damage if swallowed.
R11 Highly flammable.
R36 Irritating to eyes.
R38 Irritating to skin.
R63 Possible risk of harm to the unborn child.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.

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.

[final page]