

Material Safety Data Sheet

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier

Product Name Targo
MSDS Code 008594

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

Identified uses Tar/Label/Glue/Paint/Crayon remover
Uses advised against This product is not recommended for any industrial, professional or consumer use other than the identified uses above.

1.3 Details of the supplier of the safety data sheet

Supplier: Fleming Technical Limited
Brunel Road
Croft Business Park
Bromborough CH62 3NY
www.fleming-tech.com
www.spillhound.com
Tel +44(0)151 343 1800

Contact person: Mr G. Fleming

1.4 Emergency telephone number

Emergency telephone +44(0) 151 343 1800 Mon-Fri 09.00 - 17.00. If you urgently need medical help or advice but it's not a life-threatening situation, call the 24-hour NHS 111 service to speak to an NHS adviser. Simply call 111 free from a landline or mobile.

2. Hazards Identification

2.1 Classification of the substance or mixture

Classification

Physical hazards

Flam Liq 3 - H226

Health hazards

Acute Tox 4 - H312

Acute Tox 4 - H332

Acute Tox 4 - H332

Environmental hazards

Not classified.

2.2 Label elements

Pictogram



Signal word Warning

Hazard statements

H226: Flammable liquid and vapour R10

H302 + H312 + H332: Harmful if swallowed, in contact with skin or if inhaled R20/21/22

Precautionary statements

P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking S16

P261 : Avoid breathing vapours

P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

P301 + P331 + P315 : IF SWALLOWED: Do NOT induce vomiting. Get immediate medical advice/attention.

P303 + P361 + P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

Supplementary precautionary statements

P280: Wear protective gloves/protective clothing/eye protection/face protection

2.3 Other hazards

This product contains no substances classified as PBT or vPvB.

3. Composition/ Information on ingredients

3.2 Mixtures

m-xylene		> 60 %	
CAS number:	1330-20-7	EC number:	215-535-7
Classification			
Flam Liq 3 - H226	H226: Flammable liquid and vapour R10		
Acute Tox 4 - H312	H312: Harmful in contact with skin R21		
Acute Tox 4 - H332	H332: Harmful if inhaled R20		
Skin Irrit 2 - H315	H315: Causes skin irritation R38		

4. First Aid Measures

4.1 Description of first aid measures

Inhalation

Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

Ingestion

IF SWALLOWED: Do NOT induce vomiting. Get immediate medical advice/attention. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person.

Skin

Remove affected person from source of contamination. Remove contaminated clothing. Rinse immediately with plenty of water. Use suitable lotion to moisturise skin. Get medical attention if any discomfort continues.

Eyes

Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get immediate medical attention if any discomfort continues.

4.2 Most important symptoms and effects, both acute and delayed

General Information

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation

Vapours may cause headache, fatigue, dizziness and nausea.

Ingestion

May cause stomach pain or vomiting. Fumes from the stomach contents may be inhaled, resulting in the same symptoms as inhalation.

Skin

Prolonged contact may cause redness, irritation and dry skin.

Eyes

Irritation of eyes and mucous membranes. Prolonged contact may cause redness and/or tearing.

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor

No specific recommendations. If in doubt, get medical attention promptly.

5. Firefighting Measures

5.1 Extinguishing media

Suitable extinguishing media

Fire can be extinguished using the following: chemical foam, dry powder, carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Specific hazards

The product is flammable. Heating may generate flammable vapours. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back.

Hazardous combustion products

If involved in a fire, vapours may include oxides/compounds of the following : Carbon. Hydrogen.

5.3 Advice for firefighters

Protective actions during firefighting

Stay up-wind to avoid breathing fumes or vapours. Keep run-off water out of sewers and watercourses. If there is risk of water pollution, notify appropriate authorities.

Special protective equipment for firefighters

Use self-contained breathing apparatus, gloves and protective goggles. Use full protective clothing appropriate for surrounding materials.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Protective equipment required: respiratory protection, protective gloves, goggles, clothing and footwear. See section 8.

6.2 Environmental precautions

Do not discharge into water courses. Place container with damaged side up. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY notified to the Environmental Agency or other appropriate regulatory body.

6.3 Methods and material for containment and cleaning up

Wear suitable protective clothing. Extinguish all ignition sources. Ventilate. Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Do not use sawdust or other combustible material.

Containers with collected spillage must be properly labelled with correct contents and hazard symbol. For waste disposal, see section 13.

6.4 Reference to other sections

For personal protection, see section 8. For waste disposal, see section 13.

7. Handling and Storage

7.1 Precautions for safe handling

Read and follow manufacturer's recommendations. Observe good chemical hygiene and handling practices.

Refer to section 6.1 for personal protective equipment. Avoid breathing vapours and use an approved respirator if vapour levels exceed statutory limits. No smoking, sparks or flames.

7.2 Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a cool, dry place. Keep away from heat, sparks and open flames.

7.3 Specific end use(s)

Please see section 1.2

8. Exposure Controls/personal protection

8.1 Control parameters

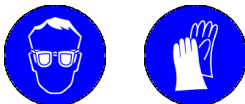
Occupational exposure limits

Statutory and derived exposure data for m-xylene

Workplace Exposure Limits (WEL)				Derived and predicted exposure parameters			
TWA - 8hr		STEL - 15 mins		DNEL - No data available		PNEC - No data available	
50	ppm	220	mg/m3	100	ppm	441	mg/m3

8.2 Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation, including appropriate flameproof (ATEX approved) local exhaust ventilation, to ensure that the defined occupational exposure limit is not exceeded.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles conforming to ANSI Z87.1.

Hand protection

Use protective gloves, complying with an approved standard (EN374), made of the following material: Nitrile or PVA.

It should be noted that the liquid may penetrate the gloves. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material. Frequent change is advisable.

Other skin and body protection

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

Hygiene measures

Provide eye wash station and suitable hand cleaning/hand care facilities. When using do not eat, drink or smoke. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated.

Respiratory protection

Respiratory protection may be required if the usage method generates excessive levels of mist/dust. If necessary, wear a mask fitted with a cartridge A1/A2 suitable for organic vapours.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance	pH (Concentrate)	pH (10%)
Clear Liquid	n/a	n/a
Odour	Decomposition temperature (°C)	
Solvent	Not available	
Solubility - water	Odour threshold - lower	
Insoluble	1	
Solubility - other	Odour threshold - upper	
organic solvents	9	
Boiling point	Flash point (°C)	
~ 140°C	25 Closed cup	
Freezing point	Auto ignition temperature (°C)	
Not available	480	
Relative density (20°C)	Flammability limit - lower (%)	
~ 0.87	Not available	
Vapour density (air = 1)	Flammability limit - upper (%)	
3.7	Not available	
Vapour pressure	Partition coefficient (N-octanol/water)	
0.13 kPa @ 20 °C	Not available	
Viscosity	Oxidising properties	
0.76 cSt @ 20 °C	Does not meet the criteria for oxidising	
Evaporation rate (BuAc = 1)	Comments	
0.7	Information declared as 'Not available' or 'Not applicable' is not considered to be relevant to the implementation of the proper control measures	

9.2 Other information

VOC (grams/litre)
873

10. Stability and reactivity

10.1 Reactivity

No specific reactivity hazards associated with this product.

10.2 Chemical Stability

Stable under normal temperature conditions.

10.3 Possibility of hazardous reactions

Not available.

10.4 Conditions to avoid

Avoid heat, flames and other sources of ignition.

10.5 Incompatible materials

Strong oxidisers.

10.6 Hazardous decomposition products

Product does not decompose under normal conditions.

11. Toxicological Information

11.1 Information on toxicological effects

Toxicological effects

No data recorded for mixture

Acute toxicity - oral (Calculated from raw material data. This product is not tested on animals)

ATE oral (mg/kg)

4300

Skin corrosion/irritation

Human skin model test

Scientifically unjustified

Extreme pH

Not applicable.

General

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

Inhalation

Harmful by inhalation. Vapours may cause headache, fatigue, dizziness and nausea.

Ingestion

May cause stomach upset or vomiting. Inhalation of vomit containing solvents can be fatal.

Skin contact

Harmful in contact with skin. Irritating to skin. Product has a defatting effect on skin. Repeated exposure may cause skin dryness or cracking. May cause allergic contact eczema. May be absorbed through the skin.

Eye contact

Vapour or spray in the eyes may cause irritation and smarting.

Route of entry

Inhalation. Ingestion. Skin. Eyes.

Medical symptoms

Symptoms following overexposure may include the following: Severe stomach pain, nausea, vomiting, dizziness, unconsciousness.

Medical considerations

People with sensitive skin and/or allergies should take extra care when using this product.

Toxicological information on ingredients

m-xylene	LD50	oral	rat	4300	mg/kg
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12. Ecological Information

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

The product components are not classified as environmentally hazardous. Large spills may have hazardous effects on the environment.

The product does not contain organically bound halogen.

The product does not contain organic complexing agents with a DOC level of degradation of < 80% after 28 days.

12.1 Toxicity

Acute aquatic toxicity

Details shown in section 08, when applicable.

12.2 Persistence and degradability

Volatile substances in this product are degraded in the atmosphere within a few days.

12.3 Bioaccumulative potential

No bioaccumulation data for this product is available.

12.4 Mobility in soil

The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

The product is insoluble in water and will spread on the water surface.

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

Not Determined

13. Disposal Considerations

13.1 Waste treatment methods

General Information

When handling waste, the safety precautions applying to handling of the product should be considered. The packaging must be empty (drop-free when inverted).

Cleaning rags and paper wipes that are contaminated with flammable liquids may self-ignite after use and should be stored in approved fireproof containers with tight-fitting, self-closing lids.

Disposal methods

Packaging should be reused, recycled or laundered via a licensed operator wherever possible. Packaging that has previously contained a flammable liquid may represent an explosion risk.

Avoid the spillage or runoff entering drains, sewers or watercourses. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

14. Transport Information

14.1 UN Number

ADR/RID : 1307

IMDG : 1307

ICAO : 1307

14.2 UN proper shipping name

ADR/RID : Xylenes

IMDG : Xylenes

ICAO : Xylenes

ADN : Xylenes

14.3 Transport hazard class(es)

ADR/RID : 3

IMDG : 3

ICAO : 3

Transport labels



14.4 Packing group

ADR/RID : III

IMDG : III

ICAO : III

14.5 Environmental hazards

Environmentally hazardous substance/marine pollutant

No

14.6 Special precautions for user

IMDG Code segregation group Not applicable.

EmS F-E, S-D

Emergency Action Code 3Y

Hazard Identification
Number (ADR/RID) 30

Tunnel restriction code D/E

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code : Not applicable.

15. Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

National Regulations

Commission Decision 2000/532/EC as amended by Decision 2001/118/EC establishing a list of wastes and hazardous waste pursuant to Council Directive 75/442/EEC on waste and Directive 91/689/EEC on hazardous waste with amendments.

EU Legislation

Dangerous Preparations Directive 1999/45/EC. 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).

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).

Guidance Notes

Workplace Exposure Limits EH40. Safety Data Sheets for Substances and Preparations.

Health and environmental listings

Regulation (EC) 689/2008 of the European Parliament and of the Council of 17 June 2008 concerning the export and import of dangerous chemicals (as amended).

Water hazard classification

WGK 2

15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out.

16. Other Information

General Information

For use by trained personnel only. Read the product label and follow instructions carefully. This product should only be used on the surfaces described on the product label. This product has been manufactured under an ISO 9001 Quality System.

Do not use or rinse this product in such a way as to generate excessive product mist, as this can cause unnecessary inhalation hazard.

When using this product, ensure that other unprotected personnel, or members of the public, are not exposed. Where necessary, unprotected persons should be excluded from any area where the product is being used.

All users should have access to, and be familiar with, the contents of this data sheet.

If this product is decanted into other containers, ensure that they are suitable, clean and correctly labelled.

Product spills may be very slippery - ensure that spillages are cleaned up immediately and that adequate warnings are given to other personnel.

This product should NOT be used in the home.

This product should never be mixed with any other.

Issued by

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Supersedes date

05/01/2009

SDS status

Approved.

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.