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## MATERIAL SAFETY DATA SHEET

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

#### 1.1 Product identifiers

**Product name:** LOTOXANE FAST DEGREASER  
**Chemical name:** Hydrocarbons, C10-C12, is alkanes, < 2% aromatics  
**Internal identification:** CO44  
**Synonyms; trade names** ISOPARAFFINIC HYDROCARBO  
**REACH reg. number:** 01-2119471991-29-XXXX  
**CAS number:** 90622-57-4  
**EC number:** 923-037-2  
**Product Code:** LTX050  
**Brand:** Solmedia Ltd

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

**Identified uses** Cleaning agent.  
**Uses advised against** Use only for intended applications.

#### 1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Solmedia Ltd.  
 - Address of Supplier: Unit 2, Vernon Drive  
 Battlefield Enterprise Park  
 Shrewsbury  
 SY1 3TF  
 UK  
 - Telephone: 0844 80 80 900  
 - Email: labsupplies@solmedialtd.com

#### 1.4 Emergency telephone number

Emergency Phone # +44 (0)844 80 80 900

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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (EC 1272/2008)

**Physical hazards** Flam. Liq. 3 - H226

**Health hazards** Asp. Tox. 1 – H304

**Environmental hazards** Aquatic Chronic 2 - H411

## 2.2 Label elements

**EC number** 923-037-2

**Hazard statements:** H226 Flammable liquid and vapour.  
H411 Toxic to aquatic life with long lasting effects.  
H304 May be fatal if swallowed and enters airways.

**Signal words:** Danger

**Hazard pictograms:** GHS02: Flame  
GHS08: Health hazard  
GHS09: Environmental



**Precautionary statements:** P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P273 Avoid release to the environment.  
P280 Wear protective gloves.  
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.  
P331 Do NOT induce vomiting.  
P501 Dispose of contents/ container in accordance with national regulations.

**Supplemental label information** EUH066 Repeated exposure may cause skin dryness or Cracking

## 2.3 Other hazards

**PBT:** This substance is not classified as PBT or vPvB according to current EU criteria.

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## SECTION 3: Composition/information on ingredients

### 3.1. Substances

<b>Product name</b>	<b>LOTOXANE FAST</b>
<b>Chemical name</b>	<b>Hydrocarbons, C10-C12, isoalkanes, &lt; 2% aromatics</b>

<b>REACH registration number</b>	<b>01-2119471991-29-XXXX</b>
<b>CAS number</b>	<b>90622-57-4</b>
<b>EC number</b>	<b>923-037-2</b>

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

<b>General information</b>	Show this Safety Data Sheet to the medical personnel. If medical advice is needed, have product container or label at hand. 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.
<b>Skin contact:</b>	Wash skin thoroughly with soap and water. Use suitable lotion to moisturise skin.
<b>Eye contact:</b>	Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if any discomfort continues
<b>Ingestion:</b>	Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention.
<b>Inhalation:</b>	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

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

<b>Skin contact:</b>	Repeated exposure may cause skin dryness or cracking.
<b>Eye contact:</b>	May cause discomfort.
<b>Ingestion:</b>	Aspiration hazard if swallowed. May be fatal if swallowed and enters airways
<b>Inhalation:</b>	Vapours may cause headache, fatigue, dizziness and nausea.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Use alcohol-resistant foam, carbon dioxide or dry powder to extinguish.

## 5.2 Special hazards arising from the substance or mixture

### Specific hazards

Flammable liquid and vapour.

### Hazardous combustion products

Thermal decomposition or combustion products may include the following substances: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

## 5.3 Advice for firefighters

Cool containers exposed to flames with water until well after the fire is out.

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## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Do not touch or walk into spilled material. No smoking, sparks, flames or other sources of ignition near spillage. Take precautionary measures against static discharges. Avoid contact with skin, eyes and clothing. Avoid inhalation of vapours. Provide adequate ventilation. Take care as floors and other surfaces may become slippery. Avoid contact with contaminated tools and objects. Do not handle broken packages without protective equipment. Wash thoroughly after dealing with a spillage.

### 6.2 Environmental precautions

Do not discharge into drains or watercourses or onto the ground.

### 6.3 Methods and materials for containment and cleaning up

Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Eliminate all sources of ignition. Provide adequate ventilation. Do not touch or walk into spilled material. Avoid the spillage or runoff entering drains, sewers or watercourses. Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Wash thoroughly after dealing with a spillage.

### 6.4 Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

<b>Usage precautions:</b>	Wear protective gloves. Eliminate all sources of ignition. Provide adequate ventilation. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid contact with skin, eyes and clothing. Avoid release to the environment. Avoid breathing vapour/spray. Avoid contact with contaminated tools and objects. Take precautionary measures against static discharge. Do not spray on an open flame or other ignition source. Do not reuse empty containers. Do not empty into drains. Do not eat, drink or smoke when using this product. Do not handle broken packages without protective equipment. Wash hands thoroughly after handling.
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### 7.2 Conditions for safe storage, including any incompatibilities

<b>Storage precautions:</b>	Store at temperatures between 4°C and 40°C. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
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### 7.3 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

<b>Occupational exposure limits</b>	Long-term exposure limit (8-hour TWA): 196 ppm 1200 mg/m <sup>3</sup> vapour
<b>DNEL</b>	Available hazard data do not support the need for a DNEL to be established for other health effects.

### 8.2 Exposure controls

<b>Protective equipment</b>	
<b>Engineering measures</b>	Provide adequate general and local exhaust ventilation. This product is not to be used under conditions of poor ventilation. Personal, workplace environment or biological monitoring may be required to determine the effectiveness

of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Handle product within a predominantly closed system provided with extract ventilation.

**Respiratory protection:**

Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Respirator selection must be based on exposure levels, the hazards of the product and the safe working limits of the selected respirator. Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked. Use approved respirator if air contamination is above an acceptable level. If ventilation is inadequate, suitable respiratory protection must be worn. Half mask and quarter mask respirators with replaceable filter cartridges should comply with European Standard EN140. Disposable filtering half mask respirators should comply with European Standard EN149 or EN405. This represents the minimum standard required and better specification protection should be used if available. Check that the respirator fits tightly and the filter is changed regularly. Wear a respirator fitted with the following cartridge: Gas filter, type A2. Organic vapour filter. Combination filter, type A2/P2. Organic vapour + dust and mist filter.

**Hand protection:**

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. To protect hands from chemicals, gloves should comply with European Standard EN374. The selected gloves should have a breakthrough time of at least 4 hours. The breakthrough time for any glove material may be different for different glove manufacturers. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. It should be noted that liquid may penetrate the gloves. Frequent changes are recommended. Protective gloves should have a minimum thickness of 0.38 mm. Glove thickness is not necessarily a good measure of glove resistance as the permeation rate will depend on the exact glove composition. Gloves made from the following material may provide suitable chemical protection: Nitrile rubber. The choice of protective gloves depends upon the chemicals being handled, and the conditions of work and use. Repeated exposure to chemicals will degrade the ability of the glove to provide resistance to chemicals. Specific work environments and material handling practices may vary, therefore safety procedures should be developed for each intended application

<b>Eye protection:</b>	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment for eye and face protection should comply with European Standard EN166. The following protection should be worn: Tight-fitting safety glasses.
<b>Skin protection:</b>	In confined or poorly-ventilated spaces, a supplied-air respirator must be worn. Wear antistatic protective clothing if there is a risk of ignition from static electricity.
<b>Hygiene measures</b>	Use appropriate hand lotion to prevent defatting and cracking of skin. Wash hands thoroughly after handling.
<b>Environmental exposure controls</b>	The risk management measures that adequately control exposure of the environment are set out in the exposure scenarios in the annex to this Safety Data Sheet. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions. Store in a demarcated bunded area to prevent release to drains and/or watercourses. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Appearance</b>	Clear liquid.
<b>Colour</b>	Colourless.
<b>Odour</b>	Slight. Solvent.
<b>pH</b>	Not applicable.
<b>Initial boiling point and range</b>	140 - 200°C @ 760 mm Hg
<b>Flash point °C:</b>	40°C Pensky-Martens closed cup
<b>Evaporation rate</b>	0.16 (butyl acetate = 1)
<b>Flammability (solid, gas)</b>	Not relevant.
<b>Upper/lower flammability or explosive limits</b>	Upper flammable/explosive limit: 7.0 Lower flammable/explosive limit: 0.6
<b>Other flammability</b>	Not determined.
<b>Vapour pressure</b>	0.2 kPa @ 20°C
<b>Relative density</b>	0.75 @ 15°C

<b>Solubility(ies)</b>	Insoluble in water.
<b>Partition coefficient</b>	Not available.
<b>Auto-ignition temperature</b>	>200°C
<b>Decomposition Temperature</b>	Not known.
<b>Viscosity</b>	1 m <sup>2</sup> /s @ 20°C
<b>Explosive properties</b>	No information available.
<b>Explosive under the influence of a flame</b>	Not considered to be explosive.
<b>Oxidising properties</b>	There are no chemical groups present in the product that are associated with oxidising properties.
<b>Comments</b>	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 safety information

This product contains a maximum VOC content of 747 g/litre.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

There are no known reactivity hazards associated with this product.

### 10.2 Chemical stability

Stable at normal ambient temperatures and when used as recommended.

### 10.3 Possibility of hazardous reactions

Not determined

### 10.4 Conditions to avoid

Avoid heat, flames and other sources of ignition

### 10.5 Incompatible materials

Flammable/combustible materials.

### 10.6 Hazardous decomposition products

Thermal decomposition or combustion products may include the following substances: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).



## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity - oral

Notes (oral LD <sub>50</sub> )	Based on available data the classification criteria are not met. Read-across data. LD <sub>50</sub> >5000 mg/kg, Oral, Rat
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#### Acute toxicity - dermal

Notes (dermal LD <sub>50</sub> )	Based on available data the classification criteria are not met. Read-across data. LD <sub>50</sub> >5000 mg/kg, Dermal, Rat
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#### Acute toxicity – inhalation

Notes (inhalation LC <sub>50</sub> )	Based on available data the classification criteria are not met. Read-across data. LD <sub>50</sub> >5 mg/l, Inhalation, Rat
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#### Skin corrosion/irritation

Skin corrosion/irritation	Based on available data the classification criteria are not met. Read-across data.
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#### Serious eye damage/irritation

Serious eye damage/irritation	Based on available data the classification criteria are not met. Read-across data.
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#### Respiratory sensitisation

Respiratory sensitisation	Based on available data the classification criteria are not met. Read-across data
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#### Skin sensitisation

Skin sensitisation	Based on available data the classification criteria are not met. Read-across data
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#### Germ cell mutagenicity

Genotoxicity - in vitro	This substance has no evidence of mutagenic properties. Based on available data the classification criteria are not met. Read-across data.
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#### Carcinogenicity

Carcinogenicity	Based on available data the classification criteria are not met. Read-across data. There is no evidence that the product can cause cancer.
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#### Reproductive toxicity

Reproductive toxicity - fertility	Based on available data the classification criteria are
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not met. Read-across data. This substance has no evidence of toxicity to reproduction.

#### Specific target organ toxicity - single exposure

STOT - single exposure Based on available data the classification criteria are not met. Read-across data. Not classified as a specific target organ toxicant after a single exposure.

#### Specific target organ toxicity - repeated exposure

STOT - repeated exposure Based on available data the classification criteria are not met. Read-across data. Not classified as a specific target organ toxicant after repeated exposure.

#### Aspiration hazard

Aspiration hazard Aspiration hazard if swallowed. May be fatal if swallowed and enters airways. Kinematic viscosity  $\leq 20.5 \text{ mm}^2/\text{s}$ .

**Inhalation** Vapours may cause headache, fatigue, dizziness and nausea.

**Ingestion** Aspiration hazard if swallowed. May be fatal if swallowed and enters airways.

**Skin contact** Repeated exposure may cause skin dryness or cracking. Eye contact May cause discomfort

**Acute and chronic health hazards** Prolonged contact may cause dryness of the skin. Defatting, drying and cracking of skin.

**Route of exposure** Dermal Ingestion

**Target organs** Lungs Skin

**Medical symptoms** Dry skin. Dryness and/or cracking.

## SECTION 12: Ecological information

**Ecotoxicity** Toxic to aquatic life with long lasting effects.

### 12.1 Toxicity

#### Acute aquatic toxicity

Acute toxicity - fish LC<sub>80</sub>, 96 hours: 1000 mg/l, Oncorhynchus mykiss (Rainbow trout) Read-across data.

Acute toxicity - aquatic invertebrates EC<sub>50</sub>, 48 hours: 1000 mg/l, Daphnia magna  
Read-across data.

Acute toxicity - aquatic plants Read-across data. EC<sub>0</sub>, 72 hours: 1000 mg/l,  
Pseudokirchneriella subcapitata NOEC, 72 hours: 1000 mg/l,  
Pseudokirchneriella subcapitata

#### Chronic aquatic toxicity

Chronic toxicity - aquatic invertebrates Read-across data. NOEC, 21 days: <1 mg/l,  
Daphnia magna 12.2 Persistence and degradability

### 12.2. Persistence and degradability

**Persistence and degradability** The product is expected to be biodegradable.

**Biodegradation** Inherently biodegradable.

### 12.3 Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

**Partition coefficient** Not available.

### 12.4 Mobility in soil

The product contains organic solvents which will evaporate easily from all surfaces. Insoluble in water.

### 12.5 Results of PBT and vPvB assessment

This substance is not classified as PBT or vPvB according to current EU criteria

### 12.6 Other adverse effects

Not determined.

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

**Disposal methods:** Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

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## SECTION 14: Transport information

**General**

For limited quantity packaging/limited load information, consult the relevant modal documentation using the data shown in this section.

**14.1. UN Number**

UN No. (ADR/RID)	1993
UN No. (IMDG)	1993
UN No. (ICAO)	1993

**14.2. UN proper shipping name**

ADR/RID	FLAMMABLE LIQUID, N.O.S. (isoparaffinic hydrocarbon)
IMDG	FLAMMABLE LIQUID, N.O.S. (isoparaffinic hydrocarbon)
ICAO	FLAMMABLE LIQUID, N.O.S. (isoparaffinic hydrocarbon)

**14.3. Transport hazard class(es)**

ADR/RID	3
IMDG	3
ICAO	3



**14.4. Packing group**

ADR/RID	III
IMDG	III
ICAO	III

**14.5. Environmental hazards**

**Environmentally hazardous substance/ marine pollutant**



**14.6. Special precautions for user**

**Tunnel restriction code:** D/E

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

## SECTION 15: Regulatory information

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

Natural regulations	Control of Substances Hazardous to Health Regulations 2002 (as amended). Dangerous Substances and Explosive Atmospheres Regulations 2002.
EU legislation	Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents (as amended). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization 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). Commission Regulation (EU) No 2015/830 of 28 May 2015.
Guidance	Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. The spraying of flammable liquids HSG178.

### 15.2 Chemical safety assessment

A chemical safety assessment has been carried out

#### Inventories

EU - EINECS/ELINCS  
Present.

Canada - DSL/NDSL  
DSL

US - TSCA  
Present.

China – IECSC  
Present

## SECTION 16: Other information

### Abbreviations and acronyms used in the safety data sheet

ATE: Acute Toxicity Estimate.  
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
CAS: Chemical Abstracts Service.  
IATA: International Air Transport Association.  
IMDG: International Maritime Dangerous Goods.

LD<sub>50</sub>: Lethal Dose to 50% of a test population (Median Lethal Dose).  
PBT: Persistent, Bioaccumulative and Toxic substance.  
REACH: Registration, Evaluation, Authorization and Restriction of Chemicals Regulation  
(EC) No 1907/2006.  
UN: United Nations.  
vPvB: Very Persistent and Very Bioaccumulative

**Classification abbreviations and acronyms**

Acute Tox. = Acute toxicity  
Aquatic Chronic = Hazardous to the aquatic environment (chronic)  
Asp. Tox. = Aspiration hazard  
Flam. Liq. = Flammable liquid

**General information**

Only trained personnel should use this material.

**Phrases used in s.2 and 3:** H226: Flammable liquid and vapour

H304: May be fatal if swallowed and enters airways.

H411: Toxic to aquatic life with long lasting effects.

**Further 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. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Solmedia Ltd shall not be held liable for any damage resulting from handling or from contact with the above product.