

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

### 1.1 Product identifier

**Trade name:** LINE MARKER GREEN

**Article number:** LMGN

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

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

**Manufacturer/Supplier:** Tygris Industrial  
Unit 31  
Kyle Road Industrial Estate  
Irvine  
Ayshire  
KA12 8LE  
Tel +44 (0) 1294 311 066  
Fax +44 (0) 1294 277 115  
Email [technical@tygrisindustrial.com](mailto:technical@tygrisindustrial.com)

**Further information  
obtainable from:** Technical Department

**1.4 Emergency telephone  
number:** Tel +44 (0) 1294 311 066

## 2. Hazards identification

### 2.1. Classification of the substance or mixture

<b>Classification (EC 1272/2008)</b>	Physical and Chemical Hazards	Flam. Aerosol 1: H222; H229
	Human health	STOT SE 3 - H336; Eye Irrit. 2: H319; Lact.: H362; EUH208
	Environment	Aquatic Chronic 2 - H411

### Classification (1999/45/EEC)

**Most important adverse effects** Contains isodecyloxpropylamine acetate. May produce an allergic reaction. Extremely flammable aerosol. Pressurised container: May burst if heated. Causes serious eye irritation. May cause drowsiness or dizziness. May cause harm to breast-fed children. Toxic to aquatic life with long lasting effects.

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

### 2.2. Label elements

**Label In Accordance With (EC) No. 1272/2008**



**Signal Word**

Danger

**Hazard Statements**

EUH208: Contains isodecyloxpropylamine acetate. May produce an allergic reaction.  
H222: Extremely flammable aerosol.  
H229: Pressurised container: May burst if heated  
H319: Causes serious eye irritation.  
H336: May cause drowsiness or dizziness.  
H362: May cause harm to breast-fed children.  
H411: Toxic to aquatic life with long lasting effects.

**Precautionary Statements**

P102: Keep out of reach of children.  
P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P211: Do not spray on an open flame or other ignition source.  
P251: Pressurized container: Do not pierce or burn, even after use.  
P260: Do not breathe dust/fumes/gas/mist/vapours/spray.  
P263: Avoid contact during pregnancy/while nursing.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P410+412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

**Supplemental label information**

### 2.3. Other hazards

**Other hazards**

In use, may form flammable / explosive vapour-air mixture.

**PBT**

This product is not identified as a PBT/vPvB substance.

**3. Composition/information on ingredients**
**3.2. Mixtures**

ACETONE Index No. CAS-No.: 67-64-1 Classification (EC 1272/2008) Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336; -: EUH066	30-50% REACH Registration No. EINECS: 200-662-2 Classification (67/548/EEC)
PROPANE Index No. CAS-No.: 74-98-6 Classification (EC 1272/2008) Flam. Gas 1 - H220 Press. Gas: H280	10-30% REACH Registration No. EINECS: 200-827-9 Classification (67/548/EEC)
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC.; LOW BOILING POINT NAPHTHA Index No. CAS-No.: 64742-95-6 Classification (EC 1272/2008) Flam. Liq. 3: H226; Asp. Tox. 1: H304; STOT SE 3: H335; Aquatic Chronic 2: H411; STOT SE 3: H336; EUH066	1-10% REACH Registration No. EINECS: 265-199-0 Classification (67/548/EEC)
BUTANE Index No. CAS-No.: 106-97-8 Classification (EC 1272/2008) Flam. Gas 1 - H220 Press. Gas: H280	1-10% REACH Registration No. EINECS: 203-448-7 Classification (67/548/EEC)
1,2,4-TRIMETHYLBENZENE Index No. CAS-No.: 95-63-6 Classification (EC 1272/2008) Flam. Liq. 3: H226; Acute Tox. 4: H332; Eye Irrit. 2: H319; STOT SE 3: H335; Skin Irrit. 2: H315; Aquatic Chronic 2:H411	1-10% REACH Registration No. EINECS: 202-436-9 Classification (67/548/EEC)

N-BUTYL ACETATE Index No. CAS-No.: 204-658-1 Classification (EC 1272/2008) Flam. Liq. 3: H226; STOT SE 3: H336; EUH066	1-10% REACH Registration No. EINECS: 123-86-4 Classification (67/548/EEC)
ISOBUTANE Index No. CAS-No.: 75-28-5 Classification (EC 1272/2008) Flam. Gas 1: H220; Press. Gas: H280	1-10% REACH Registration No. EINECS: 200-857-2 Classification (67/548/EEC)
ALKANES, C14-17, CHLORO Index No. CAS-No.: 85535-85-9 Classification (EC 1272/2008) Lact.: H362; Aquatic Chronic 1: H410; Aquatic Acute 1: H400	1-10% REACH Registration No. EINECS: 287-477-0 Classification (67/548/EEC)
ETHYL ACETATE Index No. CAS-No.: 141-78-6 Classification (EC 1272/2008) Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336; EUH066	1-10% REACH Registration No. EINECS: 205-500-4 Classification (67/548/EEC)
MESITYLENE Index No. CAS-No.: 108-67-8 Classification (EC 1272/2008) Flam. Liq. 3: H226; STOT SE 3: H335; Aquatic Chronic 2: H411	1-10% REACH Registration No. EINECS: 203-604-4 Classification (67/548/EEC)
ISODECYLOXPROPYLAMINE ACETATE Index No. CAS-No.: 28701-67-9 Classification (EC 1272/2008) Acute Tox. 4: H302; Skin Corr. 1B: H314; STOT SE 3: H335; Aquatic Chronic 1: H410; Skin Sens. 1: H317	0.1-1% REACH Registration No. EINECS: - Classification (67/548/EEC)

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

## 4. First aid measures

### 4.1. Description of first aid measures

#### General information

<b>Inhalation</b>	Move to fresh air in case of accidental inhalation of vapours.
<b>Ingestion</b>	Do not induce vomiting. Consult a doctor.
<b>Skin contact</b>	Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin.
<b>Eye contact</b>	Bathe the eye with running water for 15 minutes. Consult a doctor.

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

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

## 5. Firefighting measures

### 5.1 Extinguishing Media

**Extinguishing media** Suitable extinguishing media for the surrounding fire should be used.

### 5.2. Special hazards arising from the substance or mixture

**Exposure hazards** Extremely flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture. Vapour may travel considerable distance to source of ignition and flash back.

### 5.3. Advice for firefighters

**Special Fire Fighting Procedures** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## 6. Accidental release measures

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

**Personal precautions** Refer to section 8 of SDS for personal protection details. Eliminate all sources of ignition. If outside do not approach from downwind.

### 6.2. Environmental precautions

Do not discharge into drains or rivers. Contain the spillage using bunding.

### 6.3. Methods and material for containment and cleaning up

Absorb into dry earth or sand. Do not use equipment in clean-up procedure which may produce sparks. Clean-up should be dealt with only by qualified personnel familiar with the specific substance.

### 6.4. Reference to other sections

Refer to section 8 of SDS.

## 7. Handling and storage

### 7.1 Precautions for safe handling

**Handling requirements** Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Smoking is forbidden. Use non-sparking tools.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage conditions** Store in cool, well ventilated area. Keep container tightly closed. Keep away from direct sunlight. Keep away from sources of ignition.

**Suitable packaging** Must only be kept in original packaging.

### 7.3. Specific end use(s)

No data available.

## 8. Exposure controls/personal protection

### 8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min	
ACETONE	WEL		1210 mg/m3		3620 mg/m3
PROPANE	WEL		1800 mg/m3		7200 mg/m3
BUTANE	WEL		1450 mg/m3		1810 mg/m3
1,2,4-TRIMETHYLBENZENE	WEL		125 mg/m3		-
N-BUTYL ACETATE	WEL		724 mg/m3		966 mg/m3
ISOBUTANE	WEL		2400 mg/m3		9600 mg/m3
ETHYL ACETATE	WEL	200 ppm		400 ppm	
MESITYLENE	WEL	25 ppm		-	

WEL = Workplace Exposure Limits

### 8.2. Exposure controls

#### Protective equipment



**Engineering measures** Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

**Respiratory equipment** Respiratory protection not required.

**Hand protection** Chemically resistant gloves.

**Eye protection** Safety glasses. Ensure eye bath is to hand..

**Other Protection** Protective clothing.

**Environmental** Prevent from entering in public sewers or the immediate environment.

## 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Appearance	Aerosol
Colour	Green
Odour	Characteristic.
Flash point°C	-60

### 9.2. Other information

No data available

## 10. Stability and reactivity

### 10.1. Reactivity

Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

Stable under normal conditions. Stable at room temperature.

### 10.3. Possibility of hazardous reactions

Hazardous reactions will not occur under normal transport or storage conditions.

### 10.4. Conditions to avoid

Direct sunlight. Heat. Hot surfaces. Sources of ignition. Flames.

### 10.5. Incompatible materials

Strong oxidising agents. Strong acids.

### 10.6. Hazardous decomposition products

In combustion emits toxic fumes.

**11. Toxicological information**
**11.1. Information on toxicological effects**
**Hazardous ingredients**

## ACETONE

IVN	RAT	LD50	5500 mg/kg
ORL	MUS	LD50	3000 mg/kg
ORL	RAT	LD50	5800 mg/kg

## 1,2,4-TRIMETHYLBENZENE

IPR	RAT	LDLO	1752 mg/kg
ORL	RAT	LD50	5 gm/kg

## N-BUTYL ACETATE

ORL	MUS	LD50	6 gm/kg
ORL	RAT	LD50	10768 mg/kg

## ETHYL ACETATE

ORL	MUS	LD50	4100 mg/kg
ORL	RAT	LD50	5620 mg/kg
SCU	RAT	LDLO	5 gm/kg

## MESITYLENE

IPR	GPG	LDLO	1303 mg/kg
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## Relevant effects for mixture:

Effect	Route	Basis
Irritation	OPT	Hazardous: calculated

**Symptoms / routes of exposure**

**Inhalation** No data available.

**Ingestion** No data available.

**Skin contact** No data available.

**Eye contact** No data available.

**Route of entry**



## 12. Ecological information

### 12.1. Toxicity

ACETONE		
BLUEGILL (Lepomis macrochirus)	LC50	8300 mg/l

### 12.2. Persistence and degradability

### 12.3. Bioaccumulative potential

### 12.4. Mobility in soil

### 12.5. Results of PBT and vPvB assessment

### 12.6. Other adverse effects

Toxic to aquatic organisms.

## 13. Disposal considerations

### 13.1. Waste treatment methods

Transfer to a suitable container and arrange for collection by specialised disposal company.

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

## 14. Transport information

### 14.1. UN number

UN No. (ADR/RID/ADN) 1950

UN No. (IMDG) 1950

UN No. (ICAO) 1950

### 14.2. UN proper shipping name

Proper Shipping Name AEROSOLS

### 14.3. Transport hazard class(es)

ADR/RID/ADN Class 2

ADR/RID/ADN Class Class 2: Gases

ADR Label No. 2.1

IMDG Class 2.1

ICAO Class/Division 2.1

### Transport Labels



### 14.4. Packing group

Packing group Not applicable.

### 14.5. Environmental hazards

Environmentally hazardous: Yes Marine pollutant: No

### 14.6. Special precautions for user

#### EMS

Tunnel Restriction Code (D)

Transport category 2

## 15. Regulatory information

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

Not applicable

### 15.2. Chemical safety assessment

A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

## 16. Other information

<b>Phrases used in s.2 and s.3</b>	<p>EUH066: Repeated exposure may cause skin dryness or cracking. EUH208: Contains &lt;name of sensitising substance&gt;. May produce an allergic reaction. 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 H302: Harmful if swallowed. H304: May be fatal if swallowed and enters airways. H314: Causes severe skin burns and eye damage. H315: Causes skin irritation. H317: May cause an allergic skin reaction. H319: Causes serious eye irritation. H332: Harmful if inhaled. H335: May cause respiratory irritation. H336: May cause drowsiness or dizziness. H362: May cause harm to breast-fed children. H410: Very toxic to aquatic life with long lasting effects. H411: Toxic to aquatic life with long lasting effects.</p>
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