

SAFETY DATA SHEET

Linemarker Paint - All Colours

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

1.1. Product identifier

Product name 41912, 41913, 41914, 41915, 41916, 41917 Linemarker Paint - All Colours

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

Identified uses Linemarker Paint

1.3. Details of the supplier of the safety data sheet

Supplier Draper Tools Ltd
Hursley Rd
Chandlers Ford
Eastleigh
Hants
SO53 1YF

1.4. Emergency telephone number

Emergency telephone Draper Helpline +44 (0) 2380 494344

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Aerosol 1 - H222, H229
Health hazards Eye Irrit. 2 - H319 STOT SE 3 - H336
Environmental hazards Aquatic Chronic 3 - H412

Human health Gas or vapour is harmful on prolonged exposure or in high concentrations. In high concentrations, vapours and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Deliberately concentrating and inhaling the contents of this container is dangerous and can be fatal.

Environmental The product contains a substance which is hazardous to aquatic organisms and which may cause long term adverse effects in the aquatic environment. See Section 12 for additional information on ecological hazards.

Physicochemical Aerosol containers can explode when heated, due to excessive pressure build-up. The product is extremely flammable. When sprayed on a naked flame or any incandescent material the aerosol vapours can be ignited.

2.2. Label elements

Pictogram



Signal word

Danger

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Hazard statements	H222 Extremely flammable aerosol. H229 Pressurised container: may burst if heated. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. H412 Harmful to aquatic life with long lasting effects.
Precautionary statements	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211 Do not spray on an open flame or other ignition source. P251 Do not pierce or burn, even after use. P271 Use only outdoors or in a well-ventilated area. P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. P102 Keep out of reach of children. P501 Dispose of contents/ container in accordance with local regulations. P260 Do not breathe vapour/ spray.
Contains	ACETONE, SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.; LOW BOILING POINT NAPHTHA, BUTYL ACETATE -norm

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS 30-60% CAS number: 68476-85-7 EC number: 270-704-2
Classification Flam. Gas 1 - H220 Press. Gas (Liq.) - H280
ACETONE 30-60% CAS number: 67-64-1 EC number: 200-662-2 REACH registration number: 01-2119471330-49
Classification Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.; LOW BOILING POINT NAPHTHA 5-10% CAS number: 64742-95-6 EC number: 265-199-0 REACH registration number: 01-2119486773-24
Classification Flam. Liq. 3 - H226 STOT SE 3 - H335, H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411

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BUTYL ACETATE -norm		1-5%
CAS number: 123-86-4	EC number: 204-658-1	REACH registration number: 01-2119485493-29
Classification		
Flam. Liq. 3 - H226 STOT SE 3 - H336		
1,2,4-TRIMETHYLBENZENE		1-5%
CAS number: 95-63-6	EC number: 202-436-9	REACH registration number: 01-2119472135-42
Classification		
Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335 Aquatic Chronic 2 - H411		
CUMENE		<1%
CAS number: 98-82-8	EC number: 202-704-5	REACH registration number: 01-2119473983-24
Classification		
Flam. Liq. 3 - H226 STOT SE 3 - H335 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411		
MESITYLENE		<1%
CAS number: 108-67-8	EC number: 203-604-4	REACH registration number: 01-2119463878-19
Classification		
Flam. Liq. 3 - H226 STOT SE 3 - H335 Aquatic Chronic 2 - H411		

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Move affected person to fresh air at once.

Inhalation

If spray/mist has been inhaled, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If breathing stops, provide artificial respiration. Keep affected person warm and at rest. Get medical attention immediately.

Ingestion

Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention.

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Skin contact	Remove contaminated clothing immediately and wash skin with soap and water.
Eye contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes.

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

Notes for the doctor	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with foam, carbon dioxide, dry powder or water fog.
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5.2. Special hazards arising from the substance or mixture

Specific hazards	Containers can burst violently or explode when heated, due to excessive pressure build-up. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back. The product is highly flammable. Forms explosive mixtures with air.
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5.3. Advice for firefighters

Protective actions during firefighting	Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Use water to keep fire exposed containers cool and disperse vapours. Warn firefighters that aerosols are involved.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Provide adequate ventilation. Use suitable respiratory protection if ventilation is inadequate. Avoid inhalation of vapours.
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6.2. Environmental precautions

Environmental precautions	Avoid the spillage or runoff entering drains, sewers or watercourses. Contain spillage with sand, earth or other suitable non-combustible material.
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6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Leave small quantities to evaporate, if safe to do so. Do not allow material to enter confined spaces, due to the risk of explosion. Absorb spillage with non-combustible, absorbent material.
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6.4. Reference to other sections

Reference to other sections	For personal protection, see Section 8. For waste disposal, see Section 13.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions	Read and follow manufacturer's recommendations. Keep away from heat, sparks and open flame. Do not spray on a naked flame or any incandescent material. Eliminate all sources of ignition.
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7.2. Conditions for safe storage, including any incompatibilities

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Storage precautions Keep away from heat, sparks and open flame. Store at moderate temperatures in dry, well ventilated area. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

7.3. Specific end use(s)

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

Occupational exposure limits

PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1750 mg/m³

Short-term exposure limit (15-minute): WEL 1250 ppm 2180 mg/m³

ACETONE

Long-term exposure limit (8-hour TWA): WEL 500 ppm 1210 mg/m³

Short-term exposure limit (15-minute): WEL 1500 ppm 3620 mg/m³

SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.; LOW BOILING POINT NAPHTHA

Long-term exposure limit (8-hour TWA): SUP 600 mg/m³

Long-term exposure limit (8-hour TWA): WEL 50 ppm

BUTYL ACETATE -norm

Long-term exposure limit (8-hour TWA): WEL 150 ppm 724 mg/m³

Short-term exposure limit (15-minute): WEL 200 ppm 966 mg/m³

1,2,4-TRIMETHYLBENZENE

Long-term exposure limit (8-hour TWA): WEL 25 ppm

CUMENE

Long-term exposure limit (8-hour TWA): WEL 25 ppm 125 mg/m³

Short-term exposure limit (15-minute): WEL 50 ppm 250 mg/m³

Sk

MESITYLENE

Long-term exposure limit (8-hour TWA): WEL 25 ppm

WEL = Workplace Exposure Limit

Sk = Can be absorbed through the skin.

Ingredient comments WEL = Workplace Exposure Limits WEL = Workplace Exposure Limits

SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.; LOW BOILING POINT NAPHTHA (CAS: 64742-95-6)

DNEL Industry, Workers - Inhalation; Long term systemic effects: 150 mg/m³
Consumer - Inhalation; Long term systemic effects: 32 mg/m³

BUTYL ACETATE -norm (CAS: 123-86-4)

DNEL Workers - Inhalation; Short term systemic effects: 960 mg/m³
Workers - Inhalation; Short term local effects: 960 mg/m³
Workers - Inhalation; Long term systemic effects: 480 mg/m³
Workers - Inhalation; Long term local effects: 480 mg/m³
General population - Inhalation; Short term systemic effects: 859.7 mg/m³
General population - Inhalation; Short term local effects: 859.7 mg/m³
Workers - Inhalation; Long term systemic effects: 102.34 mg/m³
General population - Inhalation; Long term local effects: 102.34 mg/m³

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PNEC

- Fresh water; 0.18 mg/l
- Marine water; 0.18 mg/l
- Intermittent release; 0.36 mg/l
- STP; 35.6 mg/l
- Sediment (Freshwater); 0.981 mg/kg
- Sediment (Marinewater); 0.0981 mg/l
- Soil; 0.0903 mg/kg

8.2. Exposure controls

Protective equipment



Appropriate engineering controls	Provide adequate ventilation. Avoid inhalation of vapours and spray/mists. Observe any occupational exposure limits for the product or ingredients.
Personal protection	When using do not smoke.
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.
Hand protection	Due to the packaging form, aerosol, risk of skin contact is small. Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material.
Hygiene measures	Wash hands after handling. Wash promptly if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet. Use appropriate hand lotion to prevent defatting and cracking of skin.
Respiratory protection	If ventilation is inadequate, suitable respiratory protection must be worn.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Aerosol.
Colour	Various colours.
Odour	Organic solvents.
Flash point	< -40°C
Upper/lower flammability or explosive limits	Lower flammable/explosive limit: 1.8% Upper flammable/explosive limit: 9.5%
Auto-ignition temperature	410-580°C
Comments	Information given is applicable to the major ingredient.

9.2. Other information

Other information	Not available.
Volatile organic compound	This product contains a maximum VOC content of 690 g/l.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	Stable at normal ambient temperatures and when used as recommended.
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10.2. Chemical stability

Stability Avoid the following conditions: Heat, sparks, flames.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Does not decompose when used and stored as recommended.

10.4. Conditions to avoid

Conditions to avoid Avoid heat, flames and other sources of ignition. Avoid exposing aerosol containers to high temperatures or direct sunlight.

10.5. Incompatible materials

Materials to avoid Keep away from oxidising materials, heat and flames.

10.6. Hazardous decomposition products

Hazardous decomposition products Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Toxic and corrosive gases or vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

General information	Deliberately concentrating and inhaling the contents of this container is dangerous and can be fatal.
Inhalation	In high concentrations, vapours and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Unconsciousness, possibly death.
Skin contact	Repeated exposure may cause skin dryness or cracking.
Eye contact	Irritating to eyes. Vapour or spray in the eyes may cause irritation and smarting. Repeated exposure may cause chronic eye irritation.
Acute and chronic health hazards	Arrhythmia (deviation from normal heart beat). In high concentrations, vapours and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea.
Route of exposure	Inhalation
Target organs	Central nervous system Respiratory system, lungs
Medical symptoms	Arrhythmia (deviation from normal heart beat). Narcotic effect. Vapours may cause drowsiness and dizziness. Skin irritation.

Toxicological information on ingredients.

ACETONE

Acute toxicity - oral

Acute toxicity oral (LD₅₀ 5,800.0 mg/kg)

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ 7,426.0 mg/kg)

Species Guinea pig

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Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ dust/mist mg/l) 76.0

Species Rat

ATE inhalation (dusts/mists mg/l) 76.0

Serious eye damage/irritation

Serious eye damage/irritation Rabbit This product may cause skin and eye irritation. 24 hours

Respiratory sensitisation

Respiratory sensitisation Repeated exposure may cause skin dryness or cracking. Prolonged or repeated contact with skin may cause irritation, redness and dermatitis.

Skin sensitisation

Skin sensitisation - Rabbit: Mild skin irritation - 24 h

Germ cell mutagenicity

Genotoxicity - in vivo : No data available.

Carcinogenicity

Carcinogenicity There is no evidence that the product can cause cancer.

Specific target organ toxicity - single exposure

STOT - single exposure Narcotic effect. Vapours may cause drowsiness and dizziness.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure No data available.

Aspiration hazard

Aspiration hazard Data lacking.

BUTYL ACETATE -norm

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 10,700.0

Species Rat

ATE oral (mg/kg) 10,700.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 17,600.0

Species Rabbit

ATE dermal (mg/kg) 17,600.0

1,2,4-TRIMETHYLBENZENE

Acute toxicity - inhalation

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Acute toxicity inhalation (LC ₅₀ dust/mist mg/l)	18.0
Species	Rat
ATE inhalation (dusts/mists mg/l)	18.0

CUMENE

Carcinogenicity

IARC carcinogenicity IARC Group 2B Possibly carcinogenic to humans.

SECTION 12: Ecological Information

Ecotoxicity ENVIRONMENTAL HAZARDS: This product has not been tested but contains ingredients which are harmful to aquatic organisms and may cause long term adverse effects in the aquatic environment. During normal use the volatility of the components and the packaging form, pressurised container, make entry into the aquatic environment unlikely, however, do not empty or discharge into drains or watercourses. Ensure container is empty before disposal to prevent contents entering watercourses.

12.1. Toxicity

Toxicity Not available.

Ecological information on ingredients.

ACETONE

Acute aquatic toxicity

Acute toxicity - fish	LC ₅₀ , 96 hours: 5540 mg/l, Oncorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 13500 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC ₅₀ , 72 hours: >100 mg/l, Algae

BUTYL ACETATE -norm

Acute aquatic toxicity

Acute toxicity - fish	LC ₅₀ , 96 hours: 100 mg/l, Lepomis macrochirus (Bluegill)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 24 hours: 72.8-205 mg/l, Daphnia magna EC ₅₀ , 48 hours: 44 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC ₅₀ , 72 hours: 674.7 mg/l, Desmodium subspicatus

CUMENE

Toxicity Not available.

MESITYLENE

Toxicity Not available.

12.2. Persistence and degradability

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Persistence and degradability Not available.

Ecological information on ingredients.

ACETONE

Persistence and degradability No data available.

BUTYL ACETATE -norm

Biodegradation - 83%: 28 days

CUMENE

Persistence and degradability Not available.

MESITYLENE

Persistence and degradability Not available.

12.3. Bioaccumulative potential

Bioaccumulative potential Not available.

Ecological information on ingredients.

ACETONE

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient log Pow: -0.24

BUTYL ACETATE -norm

Partition coefficient Pow: 1.8

CUMENE

Bioaccumulative potential Not available.

MESITYLENE

Bioaccumulative potential Not available.

12.4. Mobility in soil

Mobility Not known.

Ecological information on ingredients.

ACETONE

Mobility No data available.

CUMENE

Mobility Not known.

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MESITYLENE

Mobility Not known.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment Not available.

Ecological information on ingredients.

CUMENE

Results of PBT and vPvB assessment Not available.

MESITYLENE

Results of PBT and vPvB assessment Not available.

12.6. Other adverse effects

Other adverse effects Not available.

Ecological information on ingredients.

ACETONE

Other adverse effects Not available.

CUMENE

Other adverse effects Not available.

MESITYLENE

Other adverse effects Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Do not puncture or incinerate, even when empty.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Containers should be thoroughly emptied before disposal because of the risk of an explosion. Empty containers must not be punctured or incinerated because of the risk of an explosion.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 1950

UN No. (IMDG) 1950

UN No. (ICAO) 1950

UN No. (ADN) 1950

14.2. UN proper shipping name

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Proper shipping name (ADR/RID) AEROSOLS

Proper shipping name (IMDG) AEROSOLS

Proper shipping name (ICAO) AEROSOLS

Proper shipping name (ADN) AEROSOLS

14.3. Transport hazard class(es)

ADR/RID class 2.1

ADR/RID classification code 5F

ADR/RID label 2.1

IMDG class 2.1

ICAO class/division 2.1

ADN class 2.1

Transport labels



14.4. Packing group

ADR/RID packing group None

IMDG packing group None

ADN packing group None

ICAO packing group None

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS F-D, S-U

ADR transport category 2

Tunnel restriction code (D)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

Annex II of MARPOL 73/78 and the IBC Code

SECTION 15: Regulatory information

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

National regulations The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

EU legislation Commission Regulation (EU) No 453/2010 of 20 May 2010.

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Guidance Workplace Exposure Limits EH40.
 CHIP for everyone HSG228.
 Safety Data Sheets for Substances and Preparations.
 Approved Classification and Labelling Guide (Sixth edition) L131.
 British Aerosol Manufacturers Code of Practice 7th. Edition 1999

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision comments	Supplemental information added.
Revision date	15/11/2017
Revision	4
SDS number	10970
SDS status	Approved.
Hazard statements in full	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. H280 Contains gas under pressure; may explode if heated. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H319 Causes serious eye irritation. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.

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.