# SAFETY DATA SHEET

## 894298 - 4 TRADE LINE MARKING PAINT AEROSOL - YELLOW, RED AND WHITE

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

SECTION 1: Identification of the substance/mixture and of the company/undertaking			
1.1. Product identifier			
Product name	894298 - 4 TRADE LINE MARKING PAINT AEROSOL - YELLOW, RED AND WHITE		
Product number	894298 Yellow, Red and White		
1.2. Relevant identified uses o	f the substance or mixture and uses advised against		
Identified uses	Paint.		
1.3. Details of the supplier of the	he safety data sheet		
Supplier	4TRADE Lodge Way House Lodge Way Harlestone Road Northampton NN5 7UG www.4tradeproducts.co.uk		
Contact person	Sales Department -, 08.00 - 17.00 hrs Mon - Fri.		
1.4. Emergency telephone nur	nber		
SDS No.	11293		
SECTION 2: Hazards identification	ation		
2.1. Classification of the subst	ance 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		
Classification (67/548/EEC or 1999/45/EC)	Xi;R36. F+;R12. R52/53,R66,R67.		
Human health	Gas or vapour is harmful on prolonged exposure or in high concentration. Vapours and spray/mists in high concentrations are narcotic. Symptoms following overexposure may include the following: Headache. Fatigue. Dizziness. Nausea, vomiting. Deliberately concentrating and inhaling contents of ths container is dangerous and can be fatal.		
Environmental	This product does not contain substances which are harmful to aquatic organisms or which may cause long term effects to the aquatic environment		
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. Do nor pierce or burn even after use.		
2.2. Label elements			
Pictogram			

Signal word	Danger
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	<ul> <li>P102 Keep out of reach of children.</li> <li>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</li> <li>P211 Do not spray on an open flame or other ignition source.</li> <li>P251 Do not pierce or burn, even after use.</li> <li>P260 Do not breathe vapour/ spray.</li> <li>P262 Do not get in eyes, on skin, or on clothing.</li> <li>P271 Use only outdoors or in a well-ventilated area.</li> <li>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</li> <li>P314 Get medical advice/ attention if you feel unwell.</li> <li>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</li> <li>P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.</li> <li>P501 Dispose of contents/ container in accordance with national regulations.</li> </ul>
Supplemental label information	EUH066 Repeated exposure may cause skin dryness or cracking.
Contains	ACETONE, BUTYL ACETATE -norm, AROMATIC HYDROCARBON
Supplementary precautionary statements	P273 Avoid release to the environment. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P337+P313 If eye irritation persists: Get medical advice/ attention. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up.

## 2.3. Other hazards

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

SECTION 3: Composition/inform	ation on ingredients		
3.2. Mixtures			
ACETONE		30-60%	
CAS number: 67-64-1	EC number: 200-662-2	REACH registration number: 01- 2119471330-49-0000	
Classification	Classificatio	Classification (67/548/EEC or 1999/45/EC)	
Flam. Liq. 2 - H225	F;R11 Xi;R	F;R11 Xi;R36 R66 R67	
Eye Irrit. 2 - H319			
STOT SE 3 - H336			
PROPANE		10-30%	
CAS number: 74-98-6	EC number: 200-827-9		
Classification	Classificatio	on (67/548/EEC or 1999/45/EC)	
Flam. Gas 1 - H220	F+;R12		

CAS number: 75-28-5       EC number: 200-857-2         Classification       Classification (67/548/EEC or 1999/45/EC)         Flam. Gas 1 - H220       F+;R12         Press. Gas       F+;R12         AROMATIC HYDROCARBON       1-5         CAS number: 95-63-6       EC number: 202-436-9         Classification       Classification (67/548/EEC or 1999/45/EC)         Flam. Liq. 3 - H226       R10 Xn;R20 Xi;R36/37/38 N;R51/53         Acute Tox. 4 - H332       R10 Xn;R20 Xi;R36/37/38 N;R51/53         Skin Irit. 2 - H315       Events       1-5         Eye Irrit. 2 - H319       Tot State       1-5         GAS number: 123-86-4       EC number: 204-658-1       REACH registration number: 01- 2119485493-29-0000       1-5         Classification       Classification (67/548/EEC or 1999/45/EC)       REACH registration number: 01- 2119485493-29-0000       1-5         Classification       REACH registration number: 01- 2119485493-29-0000       REACH registration number: 01- 2119485493-29-0000       1-5         Classification       Classification (67/548/EEC or 1999/45/EC)       REACH registration number: 01- 2119485493-29-0000       1-5         Classification       REACH registration number: 01- 2119485493-29-0000       REACH registration number: 01- 2119485493-29-0000       REACH registration number: 01- 2119485493-29-0000	BUTANE		10	0-309
Flam. Gas 1 - H220       F+;R12         Press. Gas       SOLVENT NAPHTHA, LIGHT AROMATIC( content of benzene <0.1%)       5-10         CAS number: 64742-95-6       EC number: 265-199-0       REACH registration number: 01- 2/19455851-35         Classification       Classification (67/548/EEC or 1999)45/EC)         Flam. Liq. 3 - H226       Xn;R65. XI;R37. N;R51/53. R10,R66,R67.         STOT SE 3 - H335, H336       Asp. Tox. 1 - H304         Aquatic Chronic 2 - H411       5-10         ISOBUTANE       5-10         CAS number: 75-28-5       EC number: 200-857-2         Classification       Classification (67/548/EEC or 1999)45/EC)         Flam. Gas 1 - H220       F+;R12         Press. Gas       F+;R12         AROMATIC HYDROCARBON       Classification (67/548/EEC or 1999)45/EC)         Flam. Liq. 3 - H226       R10 Xn;R20 XI;R36/37/38 N;R51/53         Acute Tox. 4 - H332       Shin Imt: 2 - H315         Eye Imt: 2 - H319       STOT SE 3 - H335         Aquatic Chronic 2 - H411       EC number: 204-658-1       REACH registration number: 01- 2/1945493-29-0000         BUTYL ACETATE -nom       1-5       Classification (67/548/EEC or 1999)45/EC)         Flam. Liq. 3 - H226       R10 R66 R67	CAS number: 106-97-8	EC number: 203-448-7		
benzene <0.1%)	Flam. Gas 1 - H220			
2119455851-35           Classification         Classification (67/548/EEC or 1999/45/EC)           Flam. Liq. 3 - H226         Xn;R65. XI;R37. N;R51/53. R10,R66,R67.           STOT SE 3 - H335, H336         Asp. Tox. 1 - H304           Aquatic Chronic 2 - H411         SOBUTANE           ISOBUTANE         5-10           CAS number: 75-28-5         EC number: 200-857-2           Classification         Classification (67/548/EEC or 1999/45/EC)           Flam. Gas 1 - H220         F+;R12           Press. Gas         F+;R12           RROMATIC HYDROCARBON         Classification (67/548/EEC or 1999/45/EC)           Flam. Lig. 3 - H226         R10 Xn;R20 XI;R36/37/38 N;R51/53           Acute Tox. 4 - H332         Shin Irrit: 2 - H315           Eye Irrit: 2 - H319         STOT SE 3 - H335           STOT SE 3 - H335         Aquatic Chronic 2 - H411           BUTYL ACETATE -norm         1-5           CAS number: 123-86-4         EC number: 204-658-1           REACH registration number: 01- 2119485493-29-0000         21           Classification         Classification (67/548/EEC or 1999/45/EC)           R10 Xn;R2 0 XI;R36/37/38 N;R51/53         Aquatic Chronic 2 - H411           BUTYL ACETATE -norm         1-5           CAS number: 123-86-4         EC number: 204-658-1     <		ATIC( content of	5	5-109
Flam. Liq. 3 - H226       Xn;R65. Xi;R37. N;R51/53. R10,R66,R67.         STOT SE 3 - H335, H336       Aquatic Chronic 2 - H411         ISOBUTANE       5-10         CAS number: 75-28-5       EC number: 200-857-2         Classification       Classification (67/548/EEC or 1999/45/EC)         Flam. Gas 1 - H220       F+;R12         Press. Gas       F         AROMATIC HYDROCARBON       1-5         CAS number: 95-63-6       EC number: 202-436-9         Classification (67/548/EEC or 1999/45/EC)       Fiam. Liq. 3 - H226         R10 Xn;R20 Xi;R36/37/38 N;R51/53       Acute Tox. 4 - H332         Skin Irrit. 2 - H315       F10         Eye Irrit. 2 - H315       F10         StoT SE 3 - H335       Aquatic Chronic 2 - H411         BUTYL ACETATE -norm       1-5         CAS number: 123-86-4       EC number: 204-658-1         REACH registration number: 01-2119485493-29-0000       1-5         Classification (67/548/EEC or 1999/45/EC)       F1-5         CAS number: 123-86-4       EC number: 204-658-1       REACH registration number: 01-2119485493-29-0000         Classification       Classification (67/548/EEC or 1999/45/EC)       F1-5         CAS number: 123-86-4       EC number: 204-658-1       REACH registration number: 01-2119485493-29-0000	CAS number: 64742-95-6	EC number: 265-199-0	_	
CAS number: 75-28-5         EC number: 200-857-2           Classification         Classification (67/548/EEC or 1999/45/EC)           Flam. Gas 1 - H220         F+;R12           Press. Gas         1-5           AROMATIC HYDROCARBON         1-5           CAS number: 95-63-6         EC number: 202-436-9         1-5           Classification         Classification (67/548/EEC or 1999/45/EC)         Flam. Liq. 3 - H226         R10 Xn;R20 Xi;R36/37/38 N;R51/53           Acute Tox. 4 - H332         Skin Irrit. 2 - H315         Eye Irrit. 2 - H319         STOT SE 3 - H335         Aquatic Chronic 2 - H411         1-5           BUTYL ACETATE -norm         1-5         CAS number: 204-658-1         REACH registration number: 01- 2119485493-29-0000         1-5           Classification         Classification (67/548/EEC or 1999/45/EC)         REACH registration number: 01- 2119485493-29-0000         1-5           Classification         Classification (67/548/EEC or 1999/45/EC)         REACH registration number: 01- 2119485493-29-0000         1-5           Classification         Classification (67/548/EEC or 1999/45/EC)         REACH registration number: 01- 2119485493-29-0000         1-5           Classification         Classification (67/548/EEC or 1999/45/EC)         REACH registration number: 01- 2119485493-29-0000         1-5	Flam. Liq. 3 - H226 STOT SE 3 - H335, H336 Asp. Tox. 1 - H304			
Classification         Classification (67/548/EEC or 1999/45/EC)           Flam. Gas 1 - H220         F+;R12           Press. Gas         F+;R12           AROMATIC HYDROCARBON         1-5           CAS number: 95-63-6         EC number: 202-436-9           Classification         Classification (67/548/EEC or 1999/45/EC)           Flam. Lig. 3 - H226         R10 Xn;R20 Xi;R36/37/38 N;R51/53           Acute Tox. 4 - H332         Skin Irrit. 2 - H315           Eye Irrit. 2 - H319         STOT SE 3 - H335           Aquatic Chronic 2 - H411         1-5           BUTYL ACETATE -norm         1-5           CAS number: 123-86-4         EC number: 204-658-1         REACH registration number: 01- 2119485493-29-0000           Classification         Classification (67/548/EEC or 1999/45/EC)         1-5           Flam. Lig. 3 - H226         R10 R66 R67         REACH registration number: 01- 2119485493-29-0000	ISOBUTANE		5	5-109
Flam. Gas 1 - H220       F+;R12         Press. Gas       1-5         AROMATIC HYDROCARBON       1-5         CAS number: 95-63-6       EC number: 202-436-9         Classification       Classification (67/548/EEC or 1999/45/EC)         Flam. Liq. 3 - H226       R10 Xn;R20 Xi;R36/37/38 N;R51/53         Acute Tox. 4 - H332       R10 Xn;R20 Xi;R36/37/38 N;R51/53         Skin Irrit. 2 - H315       Eye Irrit. 2 - H319         STOT SE 3 - H335       Aquatic Chronic 2 - H411         BUTYL ACETATE -norm       1-5         CAS number: 123-86-4       EC number: 204-658-1       REACH registration number: 01- 2119485493-29-0000         Classification       Classification (67/548/EEC or 1999/45/EC)       1-5         Flam. Liq. 3 - H226       R10 R66 R67       R10 R66 R67	CAS number: 75-28-5	EC number: 200-857-2		
CAS number: 95-63-6         EC number: 202-436-9           Classification         Classification (67/548/EEC or 1999/45/EC)           Flam. Liq. 3 - H226         R10 Xn;R20 Xi;R36/37/38 N;R51/53           Acute Tox. 4 - H332         R10 Xn;R20 Xi;R36/37/38 N;R51/53           Skin Irrit. 2 - H315         Eye Irrit. 2 - H319           STOT SE 3 - H335         EVEN         1-5           Aquatic Chronic 2 - H411         EC number: 204-658-1         REACH registration number: 01- 2119485493-29-0000         1-5           Classification         Classification (67/548/EEC or 1999/45/EC)         R10 R10 R66 R67	Flam. Gas 1 - H220			
Classification         Classification (67/548/EEC or 1999/45/EC)           Flam. Liq. 3 - H226         R10 Xn;R20 Xi;R36/37/38 N;R51/53           Acute Tox. 4 - H332         Skin Irrit. 2 - H315           Eye Irrit. 2 - H315         Eye Irrit. 2 - H319           STOT SE 3 - H335         Aquatic Chronic 2 - H411           BUTYL ACETATE -norm         1-5           CAS number: 123-86-4         EC number: 204-658-1         REACH registration number: 01- 2119485493-29-0000           Classification         Classification (67/548/EEC or 1999/45/EC)         R10 R66 R67	AROMATIC HYDROCARBON			1-59
Flam. Liq. 3 - H226       R10 Xn;R20 Xi;R36/37/38 N;R51/53         Acute Tox. 4 - H332       Skin Irrit. 2 - H315         Eye Irrit. 2 - H319       STOT SE 3 - H335         Aquatic Chronic 2 - H411       Image: Chronic 2 - H411         BUTYL ACETATE -norm         CAS number: 123-86-4       EC number: 204-658-1         REACH registration number: 01-2119485493-29-0000         Classification       Classification (67/548/EEC or 1999/45/EC)         Flam. Liq. 3 - H226       R10 R66 R67	CAS number: 95-63-6	EC number: 202-436-9		
CAS number: 123-86-4       EC number: 204-658-1       REACH registration number: 01-2119485493-29-0000         Classification       Classification (67/548/EEC or 1999/45/EC)         Flam. Liq. 3 - H226       R10 R66 R67	Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335			
CAS number: 123-86-4       EC number: 204-658-1       REACH registration number: 01-2119485493-29-0000         Classification       Classification (67/548/EEC or 1999/45/EC)         Flam. Liq. 3 - H226       R10 R66 R67	BUTYL ACETATE -norm			1-59
Flam. Liq. 3 - H226 R10 R66 R67	CAS number: 123-86-4	EC number: 204-658-1	REACH registration number: 01-	
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### SECTION 4: First aid measures

## 4.1. Description of first aid measures

General information

Move affected person to fresh air at once.

Inhalation	Move affected person to fresh air at once. 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 if any discomfort continues.	
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.	
Eye contact	Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Remove any contact lenses and open eyelids wide apart. Get medical attention if irritation persists after washing.	
4.2. Most important symptoms	and effects, both acute and delayed	
General information	Get medical attention promptly if symptoms occur after washing.	
Inhalation	Vapours may cause drowsiness and dizziness.	
Ingestion	Drowsiness, dizziness, disorientation, vertigo.	
Skin contact	Prolonged skin contact may cause redness and irritation.	
Eye contact	May cause severe eye irritation.	
4.3. Indication of any immedia	te medical attention and special treatment needed	
Notes for the doctor	No specific recommendations.	
SECTION 5: Firefighting meas	sures	
5.1. Extinguishing media		
Suitable extinguishing media	Water spray, foam, dry powder or carbon dioxide.	
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.	
5.2. Special hazards arising fr	om the substance or mixture	
Specific hazards	Pressurised container: Must not be exposed to temperatures above 50 °C. May explode when heated or when exposed to flames or sparks. 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	Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.	
5.3. Advice for firefighters		
Protective actions during firefighting	Use water spray to reduce vapours. Containers can burst violently or explode when heated, due to excessive pressure build-up. Cool aerosol containers exposed to heat with water spray and remove container, if no risk involved.	
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.	
SECTION 6: Accidental release measures		
6.1. Personal precautions, protective equipment and emergency procedures		
Personal precautions	Ensure suitable respiratory protection is worn during removal of spillages in confined areas.	
6.2. Environmental precautions		

**Environmental precautions** Avoid discharge into drains.

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. Absorb in vermiculite, dry sand or earth and place into containers. Provide adequate ventilation. Contain spillage with sand, earth or other suitable non-combustible material. Avoid the spillage or runoff entering drains, sewers or watercourses.	
6.4. Reference to other section		
Reference to other sections	For personal protection, see Section 8. For waste disposal, see Section 13. See Section 11 for additional information on health hazards.	
SECTION 7: Handling and stor	rage	
7.1. Precautions for safe hand	ing	
Usage precautions	Keep away from heat, sparks and open flame. Read and follow manufacturer's recommendations. Avoid inhalation of vapours and spray mists. Do not spray near naked flame or any incandescent material. When sprayed on a naked flame or any incandescent material the aerosol vapours can be ignited.	
7.2. Conditions for safe storage	e, including any incompatibilities	
Storage precautions	Extremely flammable. Store at moderate temperatures in dry, well ventilated area. Keep away from heat, sparks and open flame. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn even after use.	
Storage class	Extremely Flammable Aerosol.	
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		

#### ACETONE

Long-term exposure limit (8-hour TWA): WEL 500 ppm 1210 mg/m<sup>3</sup> Short-term exposure limit (15-minute): WEL 1500 ppm 3620 mg/m<sup>3</sup>

### PROPANE

Long-term exposure limit (8-hour TWA): Asphyxiating Asphyxiating Short-term exposure limit (15-minute): Asphyxiating Asphyxiating

#### BUTANE

Long-term exposure limit (8-hour TWA): WEL 600 ppm 1450 mg/m<sup>3</sup> Carc

Short-term exposure limit (15-minute): WEL 750 ppm 1810 mg/m<sup>3</sup>

### SOLVENT NAPHTHA, LIGHT AROMATIC( content of benzene <0.1%)

Long-term exposure limit (8-hour TWA): SUP 600 mg/m<sup>3</sup>

### ISOBUTANE

Long-term exposure limit (8-hour TWA): WEL 800 ppm Short-term exposure limit (15-minute): WEL 800 ppm

## AROMATIC HYDROCARBON

Long-term exposure limit (8-hour TWA): WEL 25 ppm 125 mg/m<sup>3</sup>

### **BUTYL ACETATE -norm**

Long-term exposure limit (8-hour TWA): WEL 150 ppm 724 mg/m<sup>3</sup> Short-term exposure limit (15-minute): WEL 200 ppm 966 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit

Carc = Capable of causing cancer and/or heritable genetic damage.

Ingredient comments	SUP = Supplier's recommendation.	
	ACETONE (CAS: 67-64-1)	
DNEL	Consumer - Oral; Long term : 62 mg/kg/day Consumer - Dermal; Long term : 62 mg/kg/day Industry - Dermal; Long term : 186 mg/kg/day Consumer - Inhalation; Long term : 200 mg/m³ Industry - Inhalation; Short term : 2420 mg/m³ Industry - Inhalation; Long term : 1210 mg/m³	
PNEC	- Fresh water; 10.6 mg/l - Marine water; 1.06 mg/l - Intermittent release; 21 mg/l - Soil; 29.5 mg/l - Sediment (Marinewater); 3.04 mg/kg - Sediment (Freshwater); 30.4 mg/kg	
	SOLVENT NAPHTHA, LIGHT AROMATIC( content of benzene <0.1%) (CAS: 64742-95-6)	
DNEL	Industry - Dermal; Long term systemic effects: 25 mg/kg/day Industry - Inhalation; Long term systemic effects: 150 mg/m <sup>3</sup> Consumer - Inhalation; Long term systemic effects: 32 mg/m <sup>3</sup> Consumer - Oral; Long term systemic effects: 11 mg/kg/day Consumer - Dermal; Long term systemic effects: 11 mg/kg/day	
	BUTYL ACETATE -norm (CAS: 123-86-4)	
DNEL	Workers - Inhalation; Short term systemic effects: 960 mg/m³ Workers - Inhalation; Long term systemic effects, local effects: 480 mg/m³ Consumer - Inhalation; Short term systemic effects: 859.7 mg/m³ Consumer - Inhalation; Long term systemic effects: 102.34 mg/m³	
PNEC	- Fresh water; 0.18 mg/l - Marine water; 0.018 mg/l - Intermittent release; 0.36 mg/l - Sediment (Freshwater); 0.981 mg/kg - Sediment (Marinewater); 0.0981 mg/kg - Soil; 0.0903 mg/kg	
8.2. Exposure controls		

## Protective equipment





Appropriate engineering controls

Personal protection

Eye/face protection

Provide adequate ventilation. Avoid inhalation of vapours and spray/mists. Observe any occupational exposure limits for the product or ingredients.

When using do not smoke.

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	To protect hands from chemicals, gloves should comply with European Standards EN388 and 374. As a general principle, exposure should be managed by means other than the provision of protective gloves. Manufacturer's performance data suggest that the optimum glove for use should be: Butyl rubber. Thickness: > 0.3 mm Permeation breakthrough time according to EN374 - class: (1-6) e.g. minimum 480 mins. Caution: The performance of gloves under actual working conditions can be significantly affected by many factors and the information provided according to EN374 may not accord with what is achieved in practice. We recommend that expert professional advice is sought that takes into account of the work processes and working environment applicable for each task where gloves are to be worn.
Other skin and body protection	Wear appropriate clothing to prevent reasonably probable skin contact.
Hygiene measures	When using do not eat, drink or smoke. Wash promptly if skin becomes contaminated.
Respiratory protection	No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit. If ventilation is inadequate, suitable respiratory protection must be worn. It is recommended to use respiratory equipment with combination filter, type A2/P2.

## **SECTION 9: Physical and Chemical Properties**

## 9.1. Information on basic physical and chemical properties

Appearance	Aerosol.
Colour	Various colours
Odour	Organic solvents.
Odour threshold	Not determined.
рН	Technically not feasible.
Melting point	Not determined.
Initial boiling point and range	Not determined.
Flash point	< -40°C Closed cup.
Evaporation rate	Not determined.
Evaporation factor	Not determined.
Flammability (solid, gas)	Not determined.
Upper/lower flammability or	: 1.8
explosive limits	
	Not determined.
explosive limits	Not determined.
explosive limits Other flammability	
explosive limits Other flammability Vapour pressure	Not determined.
explosive limits Other flammability Vapour pressure Vapour density	Not determined. heavier than air
explosive limits Other flammability Vapour pressure Vapour density Relative density	Not determined. heavier than air 1.01 @ @ 20 C°C
explosive limits Other flammability Vapour pressure Vapour density Relative density Solubility(ies)	Not determined. heavier than air 1.01 @ @ 20 C°C Immiscible with water
explosive limits Other flammability Vapour pressure Vapour density Relative density Solubility(ies) Partition coefficient	Not determined. heavier than air 1.01 @ @ 20 C°C Immiscible with water Not determined.

Explosive properties	Not determined.
Explosive under the influence of a flame	Not considered to be explosive.
Oxidising properties	Not determined.
Comments	Information given is applicable to the major ingredient.
9.2. Other information	
SECTION 10: Stability and rea	ictivity
10.1. Reactivity	
Reactivity	There are no known reactivity hazards associated with this product.
10.2. Chemical stability	
Stability	Highly volatile.
10.3. Possibility of hazardous	reactions
Possibility of hazardous reactions	Not determined.
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	Strong acids. Strong alkalis. Strong oxidising agents.
10.6. Hazardous decompositio	on products
Hazardous decomposition products	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.
SECTION 11: Toxicological int	formation
11.1. Information on toxicologi	cal effects
Acute toxicity - inhalation	
ATE inhalation (gases ppm)	180,000.0
ATE inhalation (vapours mg/l)	440.0
ATE inhalation (dusts/mists mg/l)	60.0
General information	Prolonged and repeated contact with solvents over a long period may lead to permanent health problems. Deliberately concentrating and inhaling the contents of this container is dangerous and can be fatal.
Inhalation	Harmful by inhalation.
Ingestion	Harmful: may cause lung damage if swallowed. Drowsiness, dizziness, disorientation, vertigo.
Skin contact	Harmful in contact with skin. Prolonged and frequent contact may cause redness and
	irritation.

Acute and chronic health hazards	Vapours in high concentrations are narcotic. In high concentrations, vapours and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Symptoms following overexposure may include the following: Headache. Fatigue. Dizziness. Nausea, vomiting. Arrhythmia, (deviation from normal heart beat).	
Route of exposure	Inhalation Skin and/or eye contact.	
Target organs	Central nervous system Respiratory system, lungs	
Medical symptoms	Narcotic effect. Vapours may cause drowsiness and dizziness.	
Toxicological information		
SECTION 12: Ecological Infor	mation	
Ecotoxicity	The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.	
12.1. Toxicity		
Toxicity	Dangerous for the environment if discharged into watercourses	
12.2. Persistence and degrada	ability	
Persistence and degradability	No data available.	
12.3. Bioaccumulative potentia	<u>al</u>	
Bioaccumulative potential	No information available.	
Partition coefficient	Not determined.	
12.4. Mobility in soil		
Mobility	The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces. The product contains substances which may accumulate in sediment.	
12.5. Results of PBT and vPv	3 assessment	
Results of PBT and vPvB assessment	This product does not contain any substances classified as PBT or vPvB.	
12.6. Other adverse effects		
Other adverse effects	None known.	
SECTION 13: Disposal considerations		
13.1. Waste treatment method		
General information	Do not puncture or incinerate even when empty.	
Disposal methods	Containers should be thoroughly emptied before disposal because of the risk of an explosion. Do not puncture or incinerate, even when empty. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.	
Waste class	Empty Aerosol: 15 01 10 (Containing hazardous residues). Full or Partially Empty Aerosol: 16 05 04. Empty Aerosol: 15 01 04 (No hazardous residues).	
SECTION 14: Transport information		
General	This product is packed in accordance with the Limited Quantity Provisions of CDGCPL2, ADR and IMDG. These provisions allow transport of aerosols of less than 1 litre packed in cartons	

This product is packed in accordance with the Limited Quantity Provisions of CDGCPL2, ADR and IMDG. These provisions allow transport of aerosols of less than 1 litre packed in cartons of less than 30kg gross weight to be exempt from control providing that they are labelled in accordance with the requirements of these regulations to show that they are being transported as Limited Quantities. Aerosols not so packed and labelled must show the following.

#### 14.1. UN number

UN No. (ADR/RID)	1950		
UN No. (IMDG)	1950		
UN No. (ICAO)	1950		
14.2. UN proper shipping name	2		
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, 5F		
ADR/RID label	2.1		
IMDG class	2		
ICAO class/division	2		
ICAO subsidiary risk	2.1		

#### Transport labels



14.4. Packing group		
ADR/RID packing group	#	
IMDG packing group	#	
ICAO packing group	#	
14.5. Environmental hazards		
Environmentally hazardous substance/marine pollutant No.		
14.6. Special precautions for user		
EmS	F-D, S-U	
Tunnel restriction code	(E)	
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.	
SECTION 15: Regulatory information		

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

National regulations

The Aerosol Dispensers Regulations 2009 (SI 2009 No. 2824).

EU legislation	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	Workplace Exposure Limits EH40.

## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet	<ul> <li>ATE: Acute Toxicity Estimate.</li> <li>ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.</li> <li>CAS: Chemical Abstracts Service.</li> <li>DNEL: Derived No Effect Level.</li> <li>GHS: Globally Harmonized System.</li> <li>IATA: International Air Transport Association.</li> <li>ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.</li> <li>IMDG: International Maritime Dangerous Goods.</li> <li>UVCB - Unknown or variable composition, complex reaction products or Biological materials.</li> <li>LCso: Lethal Concentration to 50 % of a test population.</li> <li>LDso: Lethal Dose to 50% of a test population.</li> <li>PBT: Persistent, Bioaccumulative and Toxic substance.</li> <li>PNEC: Predicted No Effect Concentration.</li> <li>REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.</li> <li>RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.</li> <li>vPvB: Very Persistent and Very Bioaccumulative.</li> <li>ECso: 50% of maximal Effective Concentration.</li> </ul>
Classification abbreviations and acronyms	Aquatic Acute = Hazardous to the aquatic environment (acute) Aquatic Chronic = Hazardous to the aquatic environment (chronic) Asp. Tox. = Aspiration hazard Eye Dam. = Serious eye damage Carc. = Carcinogenicity Eye Irrit. = Eye irritation Flam. Liq. = Flammable liquid Press. Gas (Liq.) = Gas under pressure: Liquefied gas Skin Irrit. = Skin irritation Skin Sens. = Skin sensitisation STOT RE = Specific target organ toxicity-repeated exposure STOT SE = Specific target organ toxicity-single exposure
Revision comments	Issued in new format for Reach compliance in accordance with EC 1272/2008 Issued in accordance with Annex II to REACH, as amended by Commission Regulation (EU) No. 2015/830
Issued by	Technical Dept. (P.E.)
Revision date	13/04/2018
Revision	4.0

Supersedes date	06/07/2015
SDS number	11293
SDS status	Approved.
Risk phrases in full	<ul> <li>R10 Flammable.</li> <li>R11 Highly flammable</li> <li>R12 Extremely flammable.</li> <li>R36 Irritating to eyes.</li> <li>R37 Irritating to respiratory system.</li> <li>R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</li> <li>R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</li> <li>R65 Harmful: may cause lung damage if swallowed.</li> <li>R66 Repeated exposure may cause skin dryness or cracking.</li> <li>R67 Vapours may cause drowsiness and dizziness.</li> </ul>
Hazard statements in full	<ul> <li>H220 Extremely flammable gas.</li> <li>H222 Extremely flammable aerosol.</li> <li>H225 Highly flammable liquid and vapour.</li> <li>H226 Flammable liquid and vapour.</li> <li>H229 Pressurised container: may burst if heated.</li> <li>H304 May be fatal if swallowed and enters airways.</li> <li>H315 Causes skin irritation.</li> <li>H319 Causes serious eye irritation.</li> <li>H332 Harmful if inhaled.</li> <li>H335 May cause respiratory irritation.</li> <li>H336 May cause drowsiness or dizziness.</li> <li>H411 Toxic to aquatic life with long lasting effects.</li> <li>H412 Harmful to aquatic life with long lasting effects.</li> </ul>
Signature	Initials

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.