






<b>REFERENCE NUMBER:</b>	PL 010109	<b>ISSUE:</b>	3	<b>DATE:</b>	June 2015
<b>1. PRODUCT IDENTIFICATION:</b>	<b>Product Data:</b> Aerosol paint. <b>Trade Name:</b> PROLINE line Marking Paint. <b>Article number:</b> Depends on colour.			<b>Manufacturer/supplier:</b> Moravia (UK) Ltd Unit 9 Spring Mill Industrial Estate Avening Road, Nailsworth Stroud, Gloucestershire GL6 0BS Tel: +44 (0) 1453 834 778 Fax: +44 (0) 1453 839 383	
<b>2. COMPOSITION:</b>	Compressed gas packaging with combustible propellant. Active ingredient is an acrylic resin. Preparation from substances listed below with non-dangerous admixtures.				
<b><u>Components</u></b>	<b><u>%</u></b>	<b><u>Health (Class)</u></b>	<b><u>CAS No.</u></b>	<b><u>R Phrase</u></b>	
Acetone	5-10	F,Xi	67-64-1	11,36,66,67	
n-Butyl acetate	>30		123-86-4	10,66,67	
Propane	5-15	F+	74-98-6	12	
Butane	15-30	F+	106-97-8	12	
<b>3. HAZARD IDENTIFICATION:</b>					
<b>Hazard characterisation:</b> F+ Extremely flammable <b>Specific hazard references for humans and environment:</b> R12 Extremely flammable. R66 Repeated exposure may cause skin dryness or cracking. R67 Vapours may cause drowsiness and dizziness. <b>Classification system:</b> Directive 94/1 EEC. The classification corresponds to the current EC lists 67/548/EWG (2004 version), but is supplemented by data from professional literature and by company information.					
<b>4. FIRST AID MEASURES:</b>					
<b>General:</b>	In all cases of doubt, or where symptoms persist, seek medical attention.				
<b>Eye Contact:</b>	Irrigate eyes immediately with copious amounts of water for at least 10 minutes- with eyelids held open-under flowing clean water. Consult a physician.				
<b>Skin Contact:</b>	Wash thoroughly with soap and water.				
<b>Inhalation:</b>	Remove to fresh air. Restore breathing if necessary. Seek medical help.				
<b>Ingestion:</b>	Do not induce vomiting. Seek medical advice immediately.				
<b>5. FIRE FIGHTING MEASURES:</b>					
<b>Extinguisher Types Recommended:</b>	Foam, powder. Compressed gas packaging should be cooled by means of dispersed water spray.				
<b>Special Precautions:</b>	Do not use water in direct full spray. Wear breathing apparatus.				
<b>6. ACCIDENTAL RELEASE MEASURES:</b>					
Ensure good ventilation. Remove all sources of ignition. Do not permit seepage into sewers, waterways or soil. Soak up with liquid binding materials (e. g. sand, universal binder, sawdust) Dispose of residues as waste in accordance with section 13.					

7. <b>HANDLING AND STORAGE:</b>				
<b>Recommended Storage Conditions:</b>	<b>Storage:</b> Ensure good ventilation. Warehouse class TRG300.			
<b>Temperature:</b>	Cool			
<b>Electrical Grounding:</b>	Yes			
<b>Storage Section of Area:</b>	-			
<b>Handling Precautions:</b>	<b>Handling:</b> Ensure good ventilation/extraction at work place. Keep away from ignition sources. No smoking.			
<b>Environmental Precautions:</b>	-			
<b>Fire Prevention Measures:</b>	Keep away from sources of ignition and heat. No smoking. Avoid formation of flammable dust clouds.			
8. <b>EXPOSURE CONTROLS &amp; PERSONAL PROTECTION:</b>				
	   			
<b>Respiratory protection:</b>	<b>Mask or Filter:</b> <input type="checkbox"/> <b>Respirator</b> <input type="checkbox"/> In case of poor ventilation, use breathing filter. Type A1. Ident. colour Brown.			
<b>Hand Protection</b>	<b>Gloves</b> <input checked="" type="checkbox"/> <b>Type:</b> Solvent resisting gloves			
<b>Eye Protection:</b>	<b>Safety Glasses</b> <input type="checkbox"/> <b>Goggles</b> <input checked="" type="checkbox"/> <b>Face Shield</b> <input type="checkbox"/>			
<b>Skin Protection:</b>	<b>Apron</b> <input type="checkbox"/> <b>Protective Creams</b> <input type="checkbox"/> <b>Overalls</b> <input checked="" type="checkbox"/> <b>Boots</b> <input type="checkbox"/> Recommended			
<b><u>Ingredient Name</u></b>	<b><u>CAS No.</u></b>	<b><u>%</u></b>	<b><u>Value</u></b>	<b><u>Unit</u></b>
Acetone	67-64-1	5-10	1200	Mg/m3
n-Butyl acetate	123-86-4	>30	500	MI/m3
Propane	74-98-6	5-15	700	Mg/m3
Butane	106-97-8	15-30	150	MI/m3
			1800	Mg/m3
			1000	MI/m3
			1900	Mg/m3
			800	MI/m3
<b>Comments:</b>	Type MAK. Based on TRGS 900 valid at time of drafting. Keep away from food, drinks and animal feed. Immediately remove soiled or impregnated clothing. Wash hands before breaks and at end of each work shift. Avoid contact with eyes and skin.			
9. <b>PHYSICAL AND CHEMICAL PROPERTIES:</b>				
<b>Appearance/Form:</b>	<b>Form:</b> Liquid <b>Colour:</b> In accordance with product description. <b>Condition change:</b> Upon exiting from can at 20°C, the propellant share converts from a liquid to gaseous state.			

N/A = Not Applicable    NDA = No Data Available

<b>Odour:</b>	Aromatic
<b>Boiling Point:</b>	N/A
<b>Flash Point:</b>	N/A
<b>Volatility by Volume (%):</b>	N/A
<b>Melting Point:</b>	N/A
<b>Decomposition Temperature of Pigment:</b>	NDA
<b>Ignition Temperature:</b>	490°C.
<b>Auto Ignition Temperature:</b>	The product does not present a danger of explosion, yet the formation of explosive vapour/air mixtures is possible.
<b>Explosion limits:</b>	Lower: 1.5 volume % Upper: 9.5 volume %
<b>Vapour pressure:</b>	At 20°C 3-4 bar At 50°C 10.4 bar
<b>Solubility/Miscibility in Water:</b>	Not miscible
<b>Density:</b>	At 20°C 0.95 g/ml lacquer
<b>Viscosity:</b>	15-16 DIN 4
<b>10. STABILITY AND REACTIVITY:</b>	
<b>Stability:</b>	N/A
<b>Conditions to Avoid/Thermal decomposition:</b>	No decomposition when used in accordance with directions.
<b>Dangerous reactions:</b>	At temperatures over 50°C the can will burst after exceeding the bursting point (around 13-14 bar). Ensure good ventilation during and after the work. During use the development of explosive, easily ignited vapour/air mixtures is possible.
<b>Hazardous Decomposition Products:</b>	No dangerous decomposition products are known.
<b>Hazardous Polymerisation:</b>	N/A
<b>11. TOXICOLOGICAL INFORMATION:</b>	
<b>Eye Contact:</b>	NDA
<b>Skin Contact:</b>	NDA
<b>Inhalation:</b>	NDA
<b>Ingestion:</b>	NDA
<b>Chronic Effects:</b>	NDA
<b>12. ECOLOGICAL INFORMATION:</b>	
Water endangerment class 1 (VwVwS May 1999). Not to be allowed into ground water, waterways or sewerage systems.	

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<b>13. DISPOSAL INFORMATION:</b>	
<b>Product:</b> Residue-free can should be directed to tinplate recycling.	
<b>Key number:</b> EAK-Nr.150104 (EG).	
<b>Part filled/Unused cans:</b> Dispose of in paint collection points.	
<i>Dispose of in accordance with national and local regulations. Do NOT empty into drains.</i>	
<b>14. TRANSPORT INFORMATION:</b>	
<b>Statistical commodity number:</b>	32082090
<b>Comments:</b>	
<b>ROAD:</b>	<b>ADR/RID and GGVS/GGVE (cross border/domestic)</b>
<b>UN No:</b>	1950 Aerosol
<b>Hazard Class (ADR):</b>	ADR/RID-GGVS/E
<b>Figure/letter:</b>	5 F, Limited quantity LQ2
<b>ADR Item No:</b>	-
<b>Marginal:</b>	-
<b>Hazchem Code:</b>	-
<b>Proper Shipping Name:</b>	Aerosols, Flammable N.O.S
<b>RAIL:</b>	-
<b>Rail Transport Class No:</b>	-
<b>SEA:</b>	<b>IMDG/GGVSee</b>
<b>UN Sea No:</b>	1950 Aerosol
<b>IMDG Page No:</b>	2102
<b>EMS No:</b>	2-13
<b>Marine Pollutant:</b>	
<b>AIR:</b>	<b>ICAO-TI and IATA-GDR</b>
<b>UN Air No:</b>	1950 Aerosol
<b>Packaging group:</b>	203
<b>Proper Shipping Name:</b>	Aerosols. Flammable NOS
<b>Air Pack GR:</b>	-
<b>ADR Class No:</b>	2
<b>Hazard No (ADR):</b>	-
<b>ARD Label No:</b>	-
<b>CEFIC TEC(R) No:</b>	-
<b>Railroad PT:</b>	-
<b>Sea Transport Class No:</b>	2.1
<b>Sea Pack GR:</b>	-
<b>MFAG Table No:</b>	KAP 620
<b>Air Transport Class No:</b>	2.1
<b>15. REGULATORY INFORMATION:</b>	
<b>Identification letter &amp; hazard description.</b>	F+ Extremely flammable.
<b>Label for Supply:</b>	

<b>Ingredients to be declared:</b>	
<b>Risk Phrases:</b>	R 12 Extremely flammable. R 66 Repeated exposure may cause skin dryness or cracking.
<b>Safety Phrases:</b>	R 67 Vapours may cause drowsiness and dizziness. S 2 Keep out of reach of children. S 25 Avoid contact with eyes. S 24 Avoid contact with skin. S 9 Keep container in well ventilated place. S 23 Do not breathe aerosol. S 16 Keep away from sources of ignition – No Smoking.
<b>EC Directives:</b>	88/379/EEC, 90/492/EEC, 93/18/EEC, 90/35/EEC, 91/442/EEC, 91/155/EEC, 91/325/EEC, 91/326/EEC, 91/410/EEC, 91/632/EEC, 92/37/EEC, 93/21/EEC, 93/72/EEC, 91/322/EEC, 91/382/EEC, 90/394/EEC, 94/1/EEC, 67/548/EWG, 91/155 EG, 2001/58/EG, 2001/59/EG, 2001/60/EG.
<b>Statutory Instruments:</b>	Chemicals (Hazard Information & Packaging) Regulations 1999.
<b>Approved Code of Practice:</b>	
<b>Classification under VbF</b>	Dropped
<b>Air technical guide:</b>	Class 3
<b>Water endangerment class.</b>	1 (VwVwS May 1999)
<b>Guidance Notes:</b>	
<b>16. OTHER INFORMATION:</b>	
<b>Warning!</b>	Container pressurised. Don't open with force, damage or burn, even after use. Keep out of reach of children. Do not breathe spray. Avoid contact with skin and eyes. Keep containers in well-ventilated space. Spray mist and lacquer vapours are lightly flammable. Don't spray in the direction of flames or incandescent objects. Keep away from sources of ignition- No smoking. Use only in well ventilated areas. In use may form flammable/explosive vapour-air mixture. Protect against sunlight and heating over 50°C. Deposit only completely empty cans at Central Garbage Points, N <sup>o</sup> EAK-15104. Partially empty cans should be disposed of in duly designated Garbage Collection Points. Solvent abuse can kill instantly. Do not empty into drains. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.
<b>Information Sources:</b>	Laboratory department (Quality Assurance).
The above data is provided for your information and your attention is drawn to the appropriate package labelling. Users of the product must ensure its proper use in accordance with good industrial practice, proper medical advice and any official or Government notices or publications. This information is furnished gratuitously independent of any sale or the product and does not form part of any contract for sale, nor does it constitute any representation, warranty or condition of merchantability or fitness for a particular purpose.	
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