KENNEDY
QUALITY INDUSTRIAL TOOLING

SAFETY DATA SHEET

KENNEDY METAL INK – 1 LITRE TIN

BLACK KEN7343290K – RED KEN7343310K – BLUE KEN7343250K – GREEN KEN7343270K – YELLOW KEN7343210K – WHITE KEN7343230K

Revision Date: 25/07/2017
Revision: 8

Produced in Accordance with Directive 1907 / 2006 / EC (REACH)

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY UNDERTAKING

1.1. Product identifier

Product Name	Kennedy Metal Ink
Order Code	KEN-734-3210K, KEN-734-3230K, KEN-734-3250K, KEN-734-3270K, KEN-734-3290K, KEN-734-3310K

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

Product use	Marking on rusty, greasy or dirty metal, plastic, glass, wood and rubber. Used to refill Kennedy Metal Markers.

1.3. Details of supplier of the safety data sheet

Supplier	Kennedy Tools	Manufacturer	Industrial Services (York) Ltd
Address	Wigston Leicester England LE18 2FS		Station Estate Tadcaster North Yorkshire LS24 9SG
Telephone Fax Email Email address of the competent person	44 (0) 116 288 8000 44 (0) 116 288 8222		44 (0)1937 832761 44 (0)1937 833012 info@suremark.ltd.uk info@suremark.ltd.uk

1.4. Emergency telephone number

Emergency telephone number	01937 832761
Company	Industrial Services (York) Ltd 8.30 – 17.00 Hrs. Mon – Thursday 8.30 – 14.30 Hrs. Fri

SECTION 2: HAZARDS INDENTIFICATION

2.1. Classification of the substance or mixture

2.1.1. Classification	F; R11 Symbols: F: Highly flammable.
Main hazards	Highly flammable

2.2. Label elements

Hazard pictograms	
Signal word	Warning
Hazard statement	Flam. Liq 3: H226 – Highly flammable liquid and vapour.
Precautionary Statement:	P210 – Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Precautionary Statement: Response	P303 + P378 – In case of fire: Use to extinguish Powders, CO_2, Foams. DO NOT USE WATER
Precautionary Statement: Storage	P403 + P235 – Store in a well-ventilated place. Keep cool.

2.3. Other hazards

Other hazards	N/A
Further information	This substance is not identified as a PBT substance.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Mixtures

EC 1272/2008

Chemical Name	CAS No.	EC No.	% wt	Classification
Ethanol	64-17-5	200-578-6	40 – 50%	Flam. Liq.2: H225
Propyl acetate (n-Propyl acetate)	109-60-4	203-686-1	0.5 – 1%	Flam. Liq.2: H225 Eye Irrit. 2: H319; STOT SE 3: H336
Propatech T Retarder	1569-02-4	216-374-5	10 – 20%	Flam. Liq.3: H226; STOT SE 3: H336

4. FIRST-AID MEASURES

4.1. Description of first aid measures

Inhalation	Irritating to respiratory system. Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Move the exposed person to fresh air. Seek medical attention.
Eye contact	Irritating to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention of irritation or symptoms persist.
Skin contact	Irritating to skin. Wash immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
Ingestion	Ingestion may cause nausea or vomiting. Seek medical attention if irritation or symptoms persist. DO NOT INDUCE VOMITING.

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

Inhalation	May cause irritation to respiratory system. May cause dizziness and headache.
Eye contact	May cause irritation to eyes.
Skin contact	May cause sensitization by skin contact.
Ingestion	Ingestion may cause nausea and vomiting.

5. FIRE FIGHTING MEASURES

5.1. Extinguishing media

	Powder, CO2, Foams. DO NOT USE WATER.

5.2 Special hazards arising from the substance or mixture.

	Burning will produce irritating, toxic and obnoxious fumes. Vapours may ignite and flash to source.

5.3 Advice for firefighters

	Self-contained breathing apparatus. Wear protective clothing.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures.

	Ensure adequate ventilation of the working area. Wear suitable protective equipment. Eliminate all sources of ignition. Evacuate personnel to a safe area.

6.2 Environmental precautions.

	Do not allow product to enter drains. Prevent further spillage if safe.

6.3 Methods and material for containment and cleaning up.

	Clean spills promptly. Contain spillage with absorbent material and collect for disposal

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

	Avoid contact with eyes and skin. Ensure adequate ventilation of the working are. Keep away from sources of ignition – No smoking.

7.2. Conditions for safe storage, including any incompatibilities

	Keep in a cool, dry, well ventilated area.

7.3. Specific end use(s)

	Printing ink.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Exposure limit values

	No data available.

8.2. Exposure controls

General measure	Wash hands during breaks and at end of work.
Eye protection	Approved safety glasses/goggles.
Skin protection	Wear suitable protective clothing and gloves.
Respiratory protection	None if adequate ventilation / extraction is maintained.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Colour	Various
Odour	Alcoholic/pleasant
Solubility	Insoluble in water.
pH	No data available.
Initial boiling point	80 – 100
Flammability (solid, gas)	No data available.
Flash point	< 14
Vapour density	No data available.
Viscosity	No data available.
Auto ignition temperature	No data available.

10. STABILITY AND REACTIVITY

10.1. Reactivity

	Stable under normal conditions.

10.2. Chemical stability

	Stable under normal conditions.

10.3. Possibility of hazardous reactions

	Oxidising agents.

10.4. Conditions to avoid.

	Heat, sparks and open flames.

10.5. Incompatible materials

	Strong acids. Strong oxidizing agents.

10.6. Hazardous decomposition products.

	None under normal conditions. Burning will produce irritating, toxic and obnoxious fumes. Carbon oxides.

11. TOXICOLOGICAL INFORMATION

11.1. Information of toxicological effects

Skin	Irritation. May cause sensitization by contact.
Inhalation	May cause dizziness, headache or drowsiness.
Eyes	Irritation. Possible cornea damage with long-term exposure to fume.
Ingestion	Low toxicity – may cause nausea.

12. ECOLOGICAL INFORMATION

12.2. Persistence and degradability

	No data is available on this product.

12.3. Bio accumulative potential

	No data is available on this product.

12.4. Mobility in soil

	No data is available on this product.

12.5. Results of PBT and vPvB assessment

	No data is available on this product.

12.6. Other adverse effects

	Negligible ecotoxcity.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

	Dispose of in compliance with all local and national regulations.

14. TRANSPORT INFORMATION

Hazard pictograms

	

14.1 UN number

	UN1210

14.2. UN proper shipping name

	Printing Ink

14.3. Transport hazard class

ADR/RID Subsidiary risk	3 -
IMDG Subsidiary risk	3 -
IATA Subsidiary risk	3 -

14.4. Packing Group

Packing group	II

14.5. Environmental hazards

Environmental hazards Marine pollutant	No No

14.6. Special precautions for user

	No significant hazard

15. REGULATORY INFORMATION

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

	1907/2006/EC

16. OTHER INFORMATION

Revision	This document differs from the previous version in the following areas: SDS Heading
Text of Hazard Statements in Section 3	Flam. Liq. 2: H225 – Highly flammable liquid and vapour. Flam. Liq. 3: H226 – Flammable liquid and vapour. STOT SE 3: H336 – May cause drowsiness or dizziness. Eye Irrit. 2: H319 – Causes serious eye irritation.

Further information

	NB. Suremark Metal Ink is not conductive. The information submitted in this sheet is based on our current knowledge. However, the information is provided without warranty regarding its correctness. The data contained herein does not imply any legally binding assurances of certain properties or of suitability for a specific purpose. We do not assume liability for loss, damage or expense arising out of or in any way connected with the handling, storage or disposal of this product. This MSDS was prepared for and is to be used only for this product.