

KR SAW CUT INOX SPRAY OIL

SECTION 1	IDENTIFICATION OF SUBSTANCE/MIXTURE AND OF COMPANY/UNDERTAKING
------------------	---

1.1	Product Identifier	KR SAW CUT INOX SPRAY OIL
	Product Code	INOX SPRAY OIL
1.2	Relevant identified uses of the substance or mixture and uses advised against	Cutting oil for use in spray misting Do not use in any other application.
1.3	Company	KR Saws Limited Unit A2 Abbey Ind Est Bodmin Road, Coventry, CV2 5DB
1.4	Emergency Telephone Number	+44 (0) 2476 610907 (Monday – Friday 08.30 – 17.00 hrs GMT)
1.5	Other Information	Preparation Date: 03/04/2014

SECTION 2	HAZARD IDENTIFICATION
------------------	------------------------------

2.1	Classification of the substance or mixture	CLP Classification: Not classified as hazardous. Not classified as dangerous for the Environment
2.2	<i>See section 16 for full text of H and R phrases</i> Label Elements	Classification to DPD (1999/45/EC) and CHIP Not classified as hazardous Labelling in accordance with CLP None required Labelling in accordance with CHIP None Required
2.3	Other Hazards	PBT: This substance is not identified as a PBT substance.

SECTION 3	COMPOSITION/ INFORMATION ON INGREDIENTS
------------------	--

3.2	Mixtures				
	Ingredients	CAS No.	REACH Reg. No.	GHS Classification	DSD Classification
					Conc. %
No hazardous ingredients present at a concentration at or exceeding the Declaration of Content Limit					

SECTION 4	FIRST AID MEASURES
------------------	---------------------------

4.1	Description of first aid measures	
	Eyes	Wash eye thoroughly with copious quantities of water, ensuring eyelids are held open. Obtain medical advice if any pain or redness develops or persists.
	Skin	Wash skin thoroughly with soap and water as soon as reasonably practicable. Remove heavily contaminated clothing and wash underlying skin.
	Ingestion	If contamination of the mouth occurs, wash out thoroughly with water. Except as a deliberate act, the ingestion of large amounts of product is unlikely. If it should occur, do not induce vomiting; obtain medical advice.
	Inhalation	If inhalation of mists, fumes or vapour causes irritation to the nose or throat, or coughing, remove to fresh air. If symptoms persist obtain medical advice.
4.2	Most important symptoms and effects, both acute and delayed	Skin Contact: There may be irritation at the site of contact. Eye Contact: There may be irritation and redness.
4.3	Indication of immediate medical attention and special treatment needed, if necessary	Not applicable.

SECTION 5 FIRE-FIGHTING MEASURES

- 5.1 Extinguishing media** Use foam, dry powder or water fog. DO NOT USE water jets.
- 5.2 Specific hazards arising from the substance or mixture** Oxides of carbon, water vapour, HCl, sulphur dioxide and hydrogen sulphide may be formed as a result of combustion.
Large surface areas exposed to air (e.g. product soaked rags, paper or absorbed spillage) may be easily ignited and should be cleared up at once.
- 5.3 Advice for fire-fighters** Fires in confined spaces should be dealt with by trained personnel wearing approved breathing apparatus.
Water may be used to cool nearby heat exposed areas/objects/packages.
Avoid spraying water directly into storage containers because of the danger of boil-over.

SECTION 6 ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures** See Section 8 for protective equipment.
Soak liquid in absorbent material for disposal. Wash down floor area as spillage may be slippery. Larger spillage should be contained with sand or earth and collected in salvage container for disposal.
- 6.2 Environmental precautions** Protect drains from potential spills to minimise contamination. Do not wash product into drainage system.
In the case of large spills contact the appropriate authorities. In the case of spillage on water, prevent the spread of product by the use of suitable barrier equipment. Recover product from the surface. Protect environmentally sensitive areas and water supplies.
- 6.3 Methods and material for containment and cleaning up** Absorb into dry earth or sand. Protect drains using drain covers. Dispose of as hazardous waste.
- 6.4 Reference to other sections** Personal protective equipment: See section 8

SECTION 7 HANDLING AND STORAGE

- 7.1 Precautions for safe handling** Keep containers closed when not in use. Empty containers contain residue which may exhibit hazards of product. Avoid contact with eyes. If splashing is likely to occur wear a full face visor or chemical goggles as appropriate. Avoid frequent or prolonged skin contact with fresh or used product. Good working practices, high standards of personal hygiene and plant cleanliness must be maintained at all times. Wash hands thoroughly after contact. Use disposable cloths and discard when soiled. Do not put soiled cloths into pockets.
- 7.2 Conditions for safe storage, including any incompatibilities** Keep tightly closed in a dry, cool and well-ventilated place. Protect from light. Take precautionary measures to prevent product spills into drains, the ground or waters. Store retail batches in tightly sealed, labelled containers which are impermeable to hydrocarbons.
- 7.3 Specific end use(s)** Intended for use as a spraymist cutting oil.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

- | 8.1 Control parameters | Country | Substance | Long Term (8 Hours TWA) | Short Term (15 Mins) |
|------------------------|---------|-----------|-------------------------|----------------------|
| | EU | Oil Mist | 5 mg/m ³ | - |
- 8.2 Exposure controls**
- Occupational Exposure Controls:** Ensure adequate ventilation. Local exhaust ventilation is recommended where this product is used indoors. Use personal protective equipment where adequate ventilation is not available. Avoid skin contact and inhalation of oil mist. Thoroughly clean contaminated skin and change dirty clothing and equipment.
- Respiratory Protection:** Oil mist respirator (combined particle and organic vapour filter, type A2/P2).
- Hand Protection:** Protective gloves, PVC, nitrile rubber. Change protective gloves regularly.
- Eye Protection:** Safety goggles if there is a risk of splashing.
- Skin Protection:** Protective clothing when needed.
- Environmental Exposure Controls:** Take precautionary measures to prevent product spills into drains, the ground or waters.

SECTION 9 | PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties Does not constitute a specification

Typical Values
Grades:

	Units	KR SAWCUT INOX SPRAY OIL
Appearance		Dark amber fluid
Odour		Characteristic
Odour Threshold		No data available
pH		Not applicable
Relative density		0.902 @ 20°C
Solubility	kg/m ³	Insoluble
- water		Miscible with most organic solvents
- Fat/solvents		No data available
Pour Point	°C	No data available
Initial boiling point and range	°C	No data available
Flash point (COC)	°C	240
Flammability		No data available
Upper/lower flammability or explosive limits		No data available
Vapour pressure	kPa (0.1 mm Hg)	Not applicable
Partition coefficient n-octanol/water	Log Pow	Not applicable
Autoignition temperature		No data available
Decomposition temperature		No data available
Viscosity	mm ² /s	60.41 @ 40°C
	mm ² /s	8.49 @ 100°C
Evaporation rate		Not applicable
Vapour density		Not applicable
Explosive properties		None
Oxidising properties		None

9.2 Other Information Copper corrosion, 3 hrs @ 100°C = Class 2-3

SECTION 10 | STABILITY AND REACTIVITY

10.1 Reactivity	Stable at ambient temperatures.
10.2 Chemical stability	Stable under normal conditions of use
10.3 Possibility of hazardous reactions	Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.
10.4 Conditions to avoid	Avoid overheating
10.5 Incompatible materials	Incompatible with strong acids and oxidising agents.
10.6 Hazardous decomposition products	Formation of hydrogen sulphide possible.

SECTION 11 | TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Acute Toxicity	
- Oral	No toxic components present at levels to cause classification.
- Inhalation	No toxic components present at levels to cause classification.
- Dermal	No toxic components present at levels to cause classification.
Corrosivity/Irritation	
- Eye	No components present that are classified as eye irritants.
- Skin	No components present that are classified as skin irritants.
- Respiratory Tract	No components present that are classified as respiratory irritants.
Sensitisation	
- Skin	No evidence of sensitisation effects.
- Respiratory	No evidence of sensitisation effects.
Repeated-dose Toxicity	No data available.
Mutagenicity	No evidence of mutagenicity.
Carcinogenicity	No evidence of carcinogenicity.
Reproductive Toxicity	No evidence of reproductive toxicity.

SECTION 12 ECOLOGICAL INFORMATION

12.1 Toxicity	Very low toxicity
12.2 Persistence and Degradability	Not readily degradable. Inherent biodegradability of Lubricating oil = 53% after 28 days, 60% after 21 days for glycerides, C14-C18 and C16-C18 unsaturated.
12.3 Bioaccumulative Potential	Base oil hydrocarbons are possibly accumulative (log Kow >4)
12.4 Mobility in Soil	Product does not evaporate from surface soil or water. It is insoluble in water. Product can penetrate soil until reaching the surface of ground water. Degradation occurs extremely slowly under anaerobic conditions. Base oil hydrocarbons can be absorbed onto organic material in soil or sediment.
12.5 Results of PBT and vPvB Assessment	This substance is not identified as a PBT substance.
12.6 Other Adverse Effects	WGK = 1 (Germany) Toxicological data are based on tests with corresponding products or components.

SECTION 13 DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods
Send to registered waste disposal site using services of a registered waste disposal contractor. Disposal of packaging: Dispose of as normal industrial waste. **NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

SECTION 14 TRANSPORT INFORMATION

Not classified as dangerous goods for carriage under ADR/RID/AND/IMDG/ICAO/IATA regulations	
14.1 UN Number	-
14.2 UN Proper Shipping Name	-
14.3 Transport Hazard Class	-
14.4 Packing Group	-
14.5 Environmental Hazards	Not classified as an Environmentally hazardous substance/Marine Pollutant
14.6 Special Precautions for User	See section 8 for safe handling
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable to packaged goods

SECTION 15 REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	Supply regulations: DPD: Dangerous Preparations Directive; GHS: Globally Harmonised System of classification and labelling of chemicals; CLP: Classification, Labelling and Packaging regulations. Transport regulations: CDG: Carriage of Dangerous Goods regulations; ADR/RID/IMDG/ICAO/IATA regulations.
15.2 Chemical Safety Assessment	A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

SECTION 16 OTHER INFORMATION

First Issue June 2012:

ISSUE 02 – Revised as required under REACH – (03/04/2014)