

ArmourTech MS Safety data Sheet

Product Code: MS

SECTION 1	IDENTIFICATION OF SUBSTANCE/MIXTURE AND OF COMPANY/UNDERTAKING
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1.1 Product Identifier Product Code	ArmourTech MS MS
1.2 Relevant identified uses of the substance or mixture and uses advised against	Neat metalworking oil Do not use in any other application.
1.3 Company	Addison Saws Ltd Attwood Street Lye-Stourbridge DY9 8RU
1.4 Emergency Telephone Number	+44 (0) 1385 264950 (Monday – Friday 08.30 – 17.00 hrs GMT)

SECTION 2	HAZARD IDENTIFICATION
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2.1 Classification of the substance or mixture <i>See section 16 for full text of H Statements</i>	CLP Classification: Not classified
2.2 Label Elements	Labelling in accordance with CLP None
2.3 Other Hazards	None given

SECTION 3	COMPOSITION/ INFORMATION ON INGREDIENTS
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3.2 Mixtures

Hazardous Component	EC No.	REACH Reg. No.	GHS Classification	DSD Classification	Conc. %
This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH Annex II					

SECTION 4	FIRST AID MEASURES
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4.1 Description of first aid measures	
Inhalation	Remove person to fresh air and keep comfortable for breathing.
Eyes	Rinse eyes with water as a precaution.
Skin	Wash skin with plenty of water.
Ingestion	Call a poison center or a doctor if you feel unwell.
4.2 Most important symptoms and effects, both acute and delayed	
No additional information available.	
4.3 Indication of immediate medical attention and special treatment needed, if necessary	
Treat symptomatically.	

SECTION 5	FIRE-FIGHTING MEASURES
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- 5.1 Extinguishing media** Water spray. Dry powder. Foam. Carbon dioxide
- 5.2 Specific hazards arising from the substance or mixture** Hazardous decomposition products in case of fire: Toxic fumes may be released.
- 5.3 Advice for fire-fighters** Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6	ACCIDENTAL RELEASE MEASURES
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- 6.1.1 For non-emergency personnel** Ventilate spillage area.
- 6.1.2 Environmental precautions** Avoid release into the environment.
- 6.3 Methods and material for containment and cleaning up** Take up liquid spill into absorbent material. Dispose of materials or solid residues at an authorized site.
- 6.4 Reference to other sections** For further information refer to section 13.

SECTION 7	HANDLING AND STORAGE
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- 7.1 Precautions for safe handling** Ensure good ventilation of the work station. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
- 7.2 Conditions for safe storage, including any incompatibilities** Store in a well-ventilated place. Keep cool.
- 7.3 Specific end use(s)** No additional information available.

SECTION 8	EXPOSURE CONTROLS/PERSONAL PROTECTION
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| 8.1 Control parameters | | | |
| Country | Substance | Long Term (8 Hours TWA) | Short Term (15 Mins) |
| | | None assigned | None assigned |
- 8.2 Exposure controls** Ensure good ventilation of the work station.
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|--------------------------------|--|
| Hand Protection: | Protective Gloves |
| Eye Protection: | Safety glasses or face shield |
| Skin Protection: | Wear suitable protective clothing |
| Respiratory protection: | In case of insufficient ventilation, wear suitable respiratory equipment |

SECTION 9**PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: light yellow.
Odour	: Characteristic odour.
Odour threshold	: No data available
pH	: No data available.
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available.
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 215 °C
Auto-ignition temperature	: No data available.
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available.
Relative density	: 0.86 @ 20 deg C
Solubility	: insoluble in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: 11.5 mm ² /s @ 40 deg C
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2 Other Information

None

SECTION 10**STABILITY AND REACTIVITY**

10.1 Reactivity	The product is non-reactive under normal conditions of use, storage and transport.
10.2 Chemical stability	Stable under normal conditions of use
10.3 Possibility of hazardous reactions	No dangerous reactions known under normal conditions of use
10.4 Conditions to avoid	None under recommended storage and handling conditions (see section 7).
10.5 Incompatible materials	No additional information available
10.6 Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced

SECTION 11**TOXICOLOGICAL INFORMATION****11.1 Information on toxicological effects**

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Not classified pH: No data available.
Serious eye damage/irritation	: Not classified pH: No data available.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

SECTION 12	ECOLOGICAL INFORMATION
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12.1 Toxicity	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
12.2 Persistence and Degradability	No additional information available.
12.3 Bio accumulative Potential	No additional information available.
12.4 Mobility in Soil	No additional information available.
12.5 Results of PBT and vPvB Assessment	No additional information available.
12.6 Other Adverse Effects	No additional information available.

SECTION 13	DISPOSAL CONSIDERATIONS
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13.1 Waste Treatment Methods	Dispose of contents/container in accordance with licensed collector's sorting instructions.
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SECTION 14	TRANSPORT INFORMATION
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Not classified as hazardous for transport (ADR, RID, UN, IMO, and IATA/ICAO).

SECTION 15	REGULATORY INFORMATION
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15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	Contains no REACH substances with Annex XVII restrictions Contains no substance on the REACH candidate list Contains no REACH Annex XIV substances Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.
15.2 Chemical Safety Assessment	No chemical safety assessment has been carried out

SECTION 16	OTHER INFORMATION
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Abbreviations and acronyms:

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration

NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.