SAFETY DATA SHEET

1. IDENTIFICATION

1.1 PRODUCT IDENTIFIER

Product Name: ***MBL3 SPRAY***
Product Codes: 1 x 250ml 50109, 1 Case-12 x 250ml 86004, 1 x 5L 86030

1.2 RECOMMENDED USE & RESTRICTION ON USE

Multi-purpose metal-based penetrating, lubricating and plating trigger spray.

1.3 COMPANY DETAILS

Pro-Ma Systems (AUST) Pty Ltd
14 Kingston Drive
Helensvale, Queensland
Australia 4212
Telephone: +61 7 5573 8111
Fax: +61 7 5573 8122
Email: jeff@proma.global
Website: www.proma.global

1.4 EMERGENCY TELEPHONE NUMBER

Emergency 131126

2. HAZARDS CLASSIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Reproductive Toxicity (Category 1A)
Specific target organ toxicity (repeated exposure) (Category 2)

2.2 LABEL ELEMENTS

Signal Word: **DANGER**
Pictogram:

Hazard Statement(s):

H373	May cause damage to organs through prolonged or repeated exposure
H360	May damage fertility or the unborn child

Precautionary Statement(s):

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P260	Do not breathe dust/fume/gas/mist/vapours/spray
P280	Wear personal protective equipment as required i.e. gloves/eye protection/face protection

Response:

P308 + P313	If exposed or concerned: Get medical advice/attention

Storage:

P405	Store locked up

Disposal:

P501	Dispose of contents/container as hazardous waste/EPA regulations

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight %
Shellsol 2046	64742-81-0	Proprietary
Lead	7439-92-1	Proprietary
Copper	7440-50-8	Proprietary
Highly Refined Base Oil - unspecified	Varies	Proprietary

* If Chemical Name/CAS No. is “Proprietary” and/or Weight % is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret*

4. FIRST AID MEASURES

4.1 Description of First Aid Measures:

Eye If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing for at least 15 minutes. Remove contact lenses if present and easy to do. Immediately call a poison centre or doctor.

Inhalation If inhaled, removed from contaminated area to fresh air. If breathing is difficult give oxygen. If breathing stops, begin artificial respiration. Seek medical attention immediately.

Skin If skin or hair contact occurs, remove contaminated clothing/shoes and wash immediately with soap and plenty of water. Seek medical attention if skin irritation persists.

Ingestion If swallowed, do NOT induce vomiting. Rinse mouth. Immediately contact a Poison Control Centre

4.2 Most Important Symptoms and Effects, both Acute and Delayed:

Symptoms Repeated, frequent or prolonged contact with the skin may cause defatting of the skin which can lead to irritation, defatting and/or dermatitis Exposed individuals may experience eye tearing, redness and discomfort. May cause respiratory irritation, dizziness, headaches, cardiac disturbances, unconsciousness or death. May be harmful if swallowed. May cause nausea, vomiting, stomach ache and diarrhoea

4.3 Immediate Medical Attention:
Notes to Doctor Treat symptomatically. Contains petroleum base stock, surfactants, detergents, copper and lead powders. Show this SDS to the doctor. Treat for lead and petroleum ingestion.

5. FIREFIGHTING MEASURES

5.1 Extinguishing Media: Use Foam, Carbon Dioxide (CO_2), Dry Chemical, Water Spray (fog)

Unsuitable distinguishing media: Water may cause foaming and / or spread fire.

5.2 Special Hazards Arising From Substance/Mixture: Not determined

Hazardous combustion products Carbon Monoxide, Metal Oxide/s

5.3 Precautions for Fire Fighters:
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:
Wear Personal Protective Equipment (PPE) as detailed in section 5 and 8 of the SDS.

6.2 Environmental Precautions:
Prevent product from entering the soil, ditches, sewers, drains, waterways and/or groundwater. See section 12, Ecological Information. See section 13 DISPOSAL CONSIDERATIONS

6.3 Methods and Materials for Containment and Clean Up:
Contain spillage, then cover/absorb with non-combustible absorbent material, collect and place in containers for reuse, treatment and/or disposal

7. HANDLING AND STORAGE

7.1 Precautions for Safe Handling:

Use in accordance with good industrial hygiene and safety practice. Avoid contact with eyes, skin or clothing. Use personal protection recommended in Section 8. Avoid breathing vapours or mists. Wash contaminated clothing before reuse. Do not handle until safety precautions have been read and understood.

7.2 Conditions for Safe Storage, including any Incompatibilities:

Storage Conditions Keep container tightly closed and store in a cool, dry and well-ventilated place. Store away from ignition sources and incompatible materials. Store locked up. Keep away from extreme heat or open flame

Packaging Materials Store in metal, glass or polyethylene containers

Incompatible Materials
Strong oxidising agents

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters:
Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Lead 7439-92-1	TWA:0.05 mg/m3 TWA: 0.05 mg/m3 Pb	TWA: 50ug/m3 TWA: 50 ug/m3 Pb	IDLH:100 mg/m3 IDLH: 100 mg/m3 Pb TWA: 0.050 mg/m3 TWA: 0.050 mg/m3 Pb
Copper 7440-50-8	TWA: 0.2 mg/m3 fume TWA: 1 mg/m3 Cu dust and mist	TWA: 0.1mg/m3 fume TWA: 1 mg/m3 dust and mist (vacated) TWA:0.1mg/m3 Cu dust, fume, mist	IDLH: 100 mg/m3 dust, fume and mist IDLH: 100 mg/m3 Cu dust and mist TWA: 1 mg/m3 dust and mist TWA: 0.1 mg/m3 fume TWA: 1 mg/m3 Cu dust and mist

8.2 Exposure Controls:

Engineering Controls Apply technical measures to comply with the occupational exposure limits, including eye wash stations and showers

PPE (Personal Protective Equipment)

Eye/Face Wear chemical safe splash proof goggles or face shield

Skin and Body Impervious gloves, e.g. nitrile, are recommended for operations which may result in prolonged or repeated skin contact. Use a chemical resistant apron or other impervious clothing, if needed, to avoid contaminating regular clothing

Respiratory Ensure adequate ventilation, especially in confined areas. In case of inadequate ventilation wear respiratory protection.

General Hygiene Considerations
Handle in accordance with good industrial hygiene and safety practices. Take off all contaminated clothing and wash before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 General Information:

Appearance	Grey/brown low viscosity liquid
Odour	Mild oily and petroleum distillate odour
Flammability	Liquid (4)
Flammability Limits	LEL:1.0, UEL:6.0%
Flash Point	Pensky Martens 49°C (120°F)
Boiling Point	157-260°C (315-500°F)
Melting Point	Not determined
Evaporation Rate	Non-volatile (Butyl Acetate = 1)
pH	Not determined
Vapour Pressure	Non-volatile
Vapour Density	Non-volatile
Specific Gravity	1.063 @ 15.5°C (60°F)
Solubility	Soluble in petrol and similar organic solvents
Solubility (water)	Insoluble in water
Partition Coefficient	Not determined
Auto Ignition Temp	Not determined
Decomposition Temp	Not determined
Viscosity	Low viscosity
Corrosiveness	Not determined
Oxidising Properties	Incompatible with strong oxidising acids
Reactivity	Stable. Hazardous polymerisation will not odour. Thermal decomposition may yield carbon monoxide & metallic oxides

10. STABILITY AND REACTIVITY

10.1 Reactivity:
Not reactive under normal conditions

10.2 Chemical Stability:
Stable under recommended conditions of storage

10.3 Possibility of Hazardous Reactions:
None under normal processing

Hazardous Polymerization Hazardous Polymerization does not occur

10.4 Conditions to Avoid:
Avoid heat, sparks, open flames and other ignition sources. Keep out of reach of children.

10.5 Incompatible Materials:
Incompatible with strong oxidising agents

10.6 Hazardous Decomposition Products:
Carbon monoxide and metal oxides

11. TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects:

Skin Initial contact may result in irritation and redness. Prolonged exposure may result in dermatitis. Avoid contact with skin

Eye Contact may result in mild irritation. Avoid contact with eyes.

Inhalation Avoid breathing in vapours or mist

Ingestion May be harmful if swallowed

11.2 Component Information:
USA ACGIH TLV's Lead 0.015mg/m³ of air, Copper 0.025mg/m³ of air for dry powders.
Rat oral LD 50, 10gm/kg
Petroleum distillate 500ppm
Proprietary additives including detergents and surfactants 400ppm

11.3 Information on physical, chemical and toxicological effects

Symptoms Please see Section 4 of this SDS for symptoms

11.4 Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity May cause cancer

Chemical Name	ACGIH	IARC	NTP	OSHA
Petrolleum distillates, hydrotreated heavy paraffinic 64742-54-7	A2	Group 1		X
Lead 7439-92-1	A3	Group 2A	Reasonably anticipated	X

Legend

ACGIH (American Conference of Governmental Industrial Hygienists)
A2 – Suspected human carcinogen
A3 – Suspected animal carcinogen
IARC (International Agency for Research on Cancer)
Group 1 – Carcinogenic to humans
Group 2A – Probably carcinogenic to humans
NTP (National Toxicology Program)
Reasonably Anticipated – Reasonably anticipated to be a Human Carcinogen
OSHA (Occupational Health and Safety Administration of the US Department of Labor)
X – Present

Reproductive Toxicology May damage fertility or the unborn child

STOT – Repeated Exposure May cause damage to organs through prolonged or repeated exposure.

Numerical measures of toxicity
Not determined.

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity:
Very toxic to aquatic life with long lasting effects

12.2 Persistence and Degradability:
Not determined

12.3 Bioaccumulative Potential:
Not determined

12.4 Mobility in Soil:
Not determined

12.5 Other Adverse Effects:
Not determined

12.6 Component Information

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Petroleum distillates, hydrotreated heavy paraffinic 64742-54-7		5000:96h Oncorhynchus mykiss mg/L LC50		1000:48h Daphnia magna mg/L EC50
Lead 7439-92-1		0.44:96h Cyrpinus carpio mg/L LC50 semi-static 1.17:96h Oncorhynchus mykiss mg/L LC50 flow-through 1.32:96h Oncorhynchus mykiss mg/L LC50 static		600:48h water flea ug/l EC50
Copper 7440-50-8	0.0426-0.0535:72h Pseudokirchneriella subcapitata mg/L EC50 static 0.031-0.054:96h Pseudokirchneriella subcapitata mg/L EC50 static	0.0068-0.0156:96h Pimephales promelas mg/L LC50 0.3:96h Pimephales promelas mg/L LC50 static 0.2:96h Pimephales promelas mg/L LC50 flow-through 0.052:96h Oncorhynchus mykiss mg/L LC50 semi-static 0.8:96h Cyprinus carpio mg/L LC50 static 0.112:96h Poecilia reticulate mg/L LC50 flow-through		0.03:48h Daphnia magna mg/L EC50 Static
Zinc Alkyl Dithiophosphate 68649-42-3		1.0-5.0:96h Pimephales promelas mg/L LC50 static 10.0-35.0:96h Pimephales promelas mg/L LC50 semi-static		1-1.5:48h Daphnia magna mg/L EC50
Sulfurized Isobutylene 68511-50-2		250-500:96h Pimephales promelas mg/L LC50 static 1000:96h Primephales promelas mg/L LC50 semi-static		1000:48h Daphnia magna mg/L EC50

13. DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Disposal Wastes Disposal should be in accordance with applicable regional, national and local laws and regulations

Contaminated Packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations

13.2 US EPA Waste Number

Chemical Name	RCRA	RCRA-Basis for Listing	RCRA-D Series Wastes	RCRA-U Series Wastes
Lead 7439-92-1		Included in waste streams: F035, F037, F038, F039, K002, K003, K005, K046, K048, K049, K051, K052, K061, K062, K069, K086, K100, K176	5.0 mg/L regulatory level	

13.3 California Hazardous Waste Status

Chemical Name	California Hazardous Waste Status
Lead 7439-92-1	Toxic
Copper 7440-50-8	Toxic
Zinc Alkyl Dithiophosphate 68649-42-3	Toxic

14. TRANSPORT INFORMATION

	LAND TRANSPORT (ADGC7.4)	SEA TRANSPORT (IMDG / IMO)	AIR TRANSPORT (IATA / ICAO)
14.1 UN Number	**N/A**	**N/A**	**1268**
14.2 Proper Shipping Name	**N/A**	**N/A**	**Petroleum Distillates N.O.S**
14.3 Dangerous Goods Class	**N/A**	**N/A**	**3**
14.4 Packing Group	**N/A**	**N/A**	**III**

14.5 Marine Pollutant This material may meet the definition of a marine pollutant

15. REGULATORY INFORMATION

15.1 International Inventories:

Not determined

15.2 CERCLA

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Lead 7439-92-1	4.54kg		RQ 4.54kg final RQ

Copper 7440-50-8	2270kg		RQ 2270kg final RQ

15.3 SARA 313

Chemical Name	CAS No.	Weight %	SARA 313 – Threshold Values %
Lead – 7439-92-1	7439-92-1	Proprietary	0.1
Copper – 7440-50-8	7440-50-8	Proprietary	1.0
Zinc Alkyl Dithiophosphate – 68649-42-3	68649-42-3	Proprietary	1.0

15.4 CWA (Clean Water Act)

Component	CWA-Reportable Quantities	CWA – Toxic Pollutants	CWA – Proprietary Pollutants	CWA – Hazardous Substances
Lead 7439-92-1 (Proprietary)		X	X	
Copper 7440-50-8 (Proprietary)		X	X	
Zinc Alkyl Dithiophosphate 68649-42-3 (Proprietary)		X		

15.5 California Proposition 65
This product contains the following Proposition 65 chemicals

Chemical Name	California Proposition 65
Lead 7439-92-1	Carcinogen Developmental Female Reproductive Male reproductive

15.6 US State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Lead 7439-92-1	X	X	X
Copper 7440-50-8	X	X	X
Zinc Alkyl Dithiophosphate 68649-42-3	X		X

16. OTHER INFORMATION

16.1 General Information:
Date of Preparation: 11th July 2021
Revision Number: 5

- Changes in this Revision:
- Change date of issue
- Change to poisons information hotline
- Update marine pollutant and DG pictogram
- Update Point 14 – Transport Information

16.2 Report Status:
This information relates 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 our belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy themselves as to the suitability or completeness of such information for their own particular use. We do not accept any liability for any loss or damage that may occur from the use of this information**.**

[End of SDS]