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MATERIAL SAFETY DATA SHEET – PAGE 1 OF 4

FORM RELEASE OIL

This product is classified as hazardous according to criteria of NOHSC

Section 1 – Identification of the Material and Supplier

PRODUCT (MATERIAL) NAME: FORM RELEASE OIL
OTHER NAMES:
RECOMMENDED USES: Concrete Form release agent
SUPPLIER NAME/ADDRESS: Aitken Freeman Pty Ltd – Factory 7, 7-9 Brough St, Springvale VIC 3171
TELEPHONE NUMBER: (03) 9701 3955 **FACSIMILE NUMBER:** (03) 9701 3956
EMERGENCY PHONE NUMBER: (03) 9701 3955 **HOURS:** 0800-1700 Mon-Fri

Section 2 – Hazards Identification

POISONS SCHEDULE: S5
HAZARD CLASSIFICATION: Classified as a **HAZARDOUS SUBSTANCE** according to criteria of NOHSC.
NOT classified as DANGEROUS GOODS according to criteria of ADG Code.
RISK PHRASES: R40 (3) Possible risk of irreversible effects.
SAFETY PHRASES: S36/S37: Wear suitable protective clothing and gloves.

Section 3 – Composition / Information on Ingredients

INGREDIENTS:

Chemical Name:	Proportion:	CAS Number:
Fuels, diesel	60 - 100 %	68334-30-5
2-Butoxyethanol	0 - 10%	111-76-2
Other ingredients determined not to be hazardous	0 - 10%	Not required

Balance of formulation consists of ingredients below cut-off rates or ingredients determined not to be hazardous.

Section 4 – First Aid Measures

INHALATION: If inhaled, remove patient from contaminated area to fresh air. Lay patient down, keep warm and rested. Encourage patient to blow nose and clear breathing passages. If not breathing, apply artificial respiration. Seek medical attention if irritation persists.

INGESTION: If swallowed, DO NOT induce vomiting. Rinse mouth with plenty of water. Seek immediate medical advice from a doctor or the Poisons Information Centre (13 11 26 Australia-wide).

SKIN: If skin or hair contact occurs, remove all contaminated clothing and wash before reuse. Wash off skin and/or hair with running water and soap if available. Seek medical assistance if irritation persists.

EYES: If product comes into contact with eyes, hold eyelids apart and flush the eye continuously with fresh running water. If pain persists or recurs seek medical attention. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

FIRST AID FACILITIES: Eye wash and normal washroom facilities.
ADVICE TO DOCTOR: Treat symptomatically. **POISON INFORMATION CENTRE** – 13 11 26 Australia-wide.

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Section 5 – Fire Fighting Measures

EXTINGUISHING MEDIA:	Foam, dry chemical powder, BCF (where regulations permit), carbon dioxide, water spray or fog (large fires only).
FIRE FIGHTING:	Alert Fire Brigade immediately. Product may be violently or explosively reactive. Wear breathing apparatus and gloves. Avoid bodily contact with substance or run-off. If safe, switch off electrical equipment until vapour fire hazard is removed. Use water delivered as a fine spray to control fire and cool adjacent areas. Do NOT approach containers suspected to be hot. Cool fire exposed containers with water spray from a protected location. If safe to do so, remove containers from path of fire.
FIRE / EXPLOSION HAZARD:	Liquid and vapour are combustible. Moderate fire hazard when exposed to heat or flame. On combustion, may emit toxic fumes of carbon monoxide.
HAZCHEM CODE:	

Section 6 – Accidental Release Measures

EMERGENCY PROCEDURES:	Remove all ignition sources and clean up all spills immediately. Avoid breathing vapours and contact with skin or eyes. Control personal contact using protective equipment. Contain and absorb small quantities with vermiculite or other absorbent material. Wipe up and collect residues in a flammable waste container. Prevent by any means available spillage from entering drains or water courses. Proper Emergency Response Planning should be undertaken for protective actions in case of spillage.
METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP:	Refer to State Land Waste Management Authority. Empty containers must be decontaminated. Normally suitable for disposal at approved land waste sites.

Section 7 – Handling and Storage

PRECAUTIONS FOR SAFE HANDLING:	DO NOT allow clothing wet with material to stay in contact with skin. Electrostatic discharge may be generated during pumping - this may result in fire. Ensure electrical continuity by bonding and grounding (earthing) all equipment. Avoid splash filling. Avoid all personal contact, including inhalation. Wear protective clothing when risk of overexposure occurs. Use in a well-ventilated area. Prevent concentration in hollows and sumps. DO NOT enter confined spaces until atmosphere has been checked. Avoid smoking, naked lights or ignition sources. Avoid generation of static electricity. DO NOT use plastic buckets. Earth all lines and equipment. Use spark-free tools when handling. When handling, DO NOT eat, drink or smoke. Always wash hands with soap and water after handling. Work clothes should be laundered separately.
CONDITIONS FOR SAFE STORAGE:	Keep containers securely sealed when not in use. Avoid physical damage to containers. Containers, even when empty, may contain explosive vapours. Do not cut, drill, grind, weld or perform similar operations on or near containers. Store in original containers in approved flammable liquid storage area. DO NOT store in pits, depressions, basements or areas where vapours. No smoking, naked lights, heat or ignition sources. Keep containers securely sealed. Store away from incompatible materials in a cool, dry, well-ventilated area. Protect containers against physical damage and check regularly for leaks.
INCOMPATIBILITIES:	Avoid reaction with oxidising agents.

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Section 8 – Exposure Controls / Personal Protection

NATIONAL EXPOSURE STANDARDS:

Source	Material	TWA ppm	TWA mg/m ³	STEL ppm	STEL mg/m ³
Australia Exposure Standards	Butoxyethanol	20	96.9	50	242

Prolonged and repeated skin contact can cause dermatitis due to defatting properties. In the event of contact with the product, observe first aid procedures as outlined in Section 4 of this document.

BIOLOGICAL LIMIT VALUES: Not established for the product.

ENGINEERING CONTROLS: Use of a quantity of this material in confined space or poorly ventilated area, where rapid build up of concentrated atmosphere may occur, could require increased ventilation and/or protective gear. For flammable liquids and flammable gases, local exhaust ventilation or a process enclosure ventilation system may be required. Ventilation equipment should be explosion-resistant.

PERSONAL PROTECTION: Avoid unnecessary contact as good work practice. Wash contaminated clothing and protective equipment before storing and reuse. Wash hands before eating, smoking, or using the toilet.

RESPIRATORY PROTECTION: The use of a respirator or other device is recommended where vapour concentration is present. For assistance in selecting suitable equipment consult AS/NZ1715.

EYE PROTECTION: Eye protective measures are normally necessary and are suggested when using this product. Consult AS1336 and AS/NZ1337.

PROTECTIVE GLOVES: Rubber, PVC or other protective gloves are necessary, and desirable, especially if this product is being used frequently or for lengthy periods. Consult AS2161 for guidance.

CLOTHING: Clean overalls should be worn, preferably with an apron. Consult AS2919 for clothing guidance.

SAFETY FOOTWEAR: Wearing safety boots is advisory. Consult AS/NZ2210 for advice on Occupational Protective Footwear.

Section 9 – Physical and Chemical Properties

APPEARANCE (COLOUR, PHYSICAL FORM, SHAPE):

Pale yellow liquid with mild non-offensive odour
Liquid, does not mix with water. Floats on water.

PHYSICAL PROPERTIES:

MOLECULAR WEIGHT:

Not applicable

MELTING RANGE:

Not available

SOLUBILITY IN WATER:

Immiscible

pH (1% solution):

Not available

Volatile Component (%vol):

100%

Relative Vapour Density:

Not available

Lower Explosive Limit (%):

0.7

Autoignition Temp (°C):

Not available

State:

Liquid

BOILING RANGE:

180°C

SPECIFIC GRAVITY:

0.85

pH (as supplied):

Not available

Vapour pressure (kPa):

Not available

Evaporation Rate:

Not available

Flash Point:

66°C (TCC)

Upper Explosive Limit (%):

7.0

Decomposition Temp (°C):

Not available

Viscosity:

Not available

Section 10 – Stability and Reactivity

CHEMICAL STABILITY:

Stable, under normal conditions

CONDITIONS TO AVOID:

Keep away from incompatible materials

INCOMPATIBLE MATERIALS:

Strong acids, bases and oxidising agents

HAZARDOUS DECOMPOSITION PRODUCTS:

Hazardous polymerisation will not occur

HAZARDOUS REACTIONS:

None

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Section 11 – Toxicological Information

TOXICOLOGY INFORMATION:

No toxicity data is available for this product, however toxicity information for constituent ingredients are stated below.

HEALTH EFFECTS FROM THE LIKELY ROUTES OF EXPOSURE:

INHALATION:

Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.

INGESTION:

Ingestion of this product may irritate the gastric tract causing nausea and vomiting

SKIN: May cause redness, itching and irritation.

EYES: May cause eye irritation, tearing, stinging, blurred vision, and redness.

Section 12 – Ecological Information

Ecotoxicity: Not Determined

Persistence: Is expected to slowly degrade at the air interface.

Bioaccumulative Potential: Not expected to bioaccumulate or biomagnify.

Environmental Protection: Prevent this material from entering waterways, drains and sewers.

Section 13 – Disposal Considerations

Recycle wherever possible. Consult local or regional waste management authority for disposal if no suitable treatment or disposal facility can be identified.

Section 14 – Transport Information

Transport Information: Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

Section 15 – Regulatory Information

POISON SCHEDULE: S5

Hazard Category: Harmful

ENVIRONMENTAL: Unregulated

AICS (Australia): All components in this product are listed on AICS. (Australian Inventory of Chemical Substances).

Section 16 – Other Information

DATE OF PREPARATION OR LAST REVISION OF MSDS:

1st July 2016

CONTACT POINT: Aitken Freeman Pty Ltd

(03) 9701 3955

LITERATURE REFERENCES / SOURCES OF DATA:

Material Safety Data Sheets from Suppliers

List of Designated Substances – Worksafe Australia (on-line)

Australian Dangerous Goods Code 6th Edition

Standard for the Uniform Scheduling of Drugs and Poisons No 19

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