



SAFETY DATA SHEET RAIZER 700 SURFACTANT

Section 1: Identification of the Substance and Supplier

Product name: RAIZER 700 SURFACTANT
Name of active Ingredient(s): 350g/L Soyol Phospholipids and 350g/L Propionic acid
Supplier: ADAMA New Zealand Limited
Level1/ 93 Bolt Road, Tahunanui, Nelson, New Zealand
P.O. Box 1799, Nelson New Zealand.
Telephone +64 3 543 8275 Fax: +64 3 543 8274
Emergency Telephone: 0800 POISON (0800 764 766)

Section 2: Hazards Identification

Hazard Classifications: 6.1D, 8.2B, 8.3A, 9.1B, 9.3B
Most important hazards: **CORROSIVITY**
Danger – This product is corrosive and may cause severe skin burns and eye damage.
TOXICITY
Harmful – May be harmful if swallowed, inhaled or absorbed through the skin.
ECOTOXICITY
Toxic to fish and other aquatic organisms with long-lasting effects.
Do not apply onto or into water. Avoid contamination of any water supply with product or empty container.
Toxic to terrestrial vertebrates.

Section 3. Composition/Information on Ingredients

Information on hazardous ingredients *

Common name	CAS No.	%
Propionic acid	79-09-4	35
Soyol Phospholipids	8002-43-5	35
Non-hazardous ingredients	-	Balance

*Occupational Exposure Limit(s), if available, are listed in section 8

Section 4: First-Aid Measures

First-aid measures: Remove victim from area of exposure. Wash off remaining material with plenty of water.
Inhalation: Remove victim to fresh air. If they feel unwell, seek medical attention.
Ingestion: Wash out mouth with plenty of water. Do not induce vomiting. Do not make victim drink. Consult a doctor.
Skin contact: Remove contaminated clothing. Wash away remainder with water and soap. Consult a doctor if irritation persists.
Eye contact: Wash out with plenty of water for at least 15 minutes. Consult an eye specialist.
Notes to a physician: There is no specific antidote. Treat symptomatically and give supportive therapy.
Protection of first-aiders: Use appropriate protection (see section 8).

Section 5: Fire-Fighting Measures

Extinguishing media HAZCHEM Code: 2X
Carbon dioxide (CO₂), dry chemical, Water spray, fog, water spray. Hazardous thermal (de)composition products:
May produce hazardous by-products. Protection of fire-fighters: Wear full protective clothing and self-contained breathing apparatus. Do not breathe smoke or gases.



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Section 6: Accidental Release Measures

Personal precautions:	Avoid contact with spilled liquid. Wear suitable protective clothing.
Environmental precautions:	Do not discharge into sewage system, drains or the environment.
Methods for cleaning up:	Collect and contain as much free liquid as possible. Absorb in sand or other inert material. Disposal according to the local legislation. Wash away remainder with water and soap – collect and contain as much free liquid as possible for later disposal.

Section 7: Handling and Storage

Handling:	Keep out of reach of children. Do not eat, drink or smoke while using. Avoid breathing spray mist or vapours. Use only outdoors or in a well-ventilated area.
Storage:	Wear protective clothing as described in the personal protection section of this label. Store locked up in the original, unopened container in a cool, dry place, out of direct sunlight and away from stockfeed, seeds, fertilisers or foodstuffs. Do not store with the following incompatible materials: All class 1 substances, Class 4.3A, 4.3B, 4.3C substances, all class 5 substances, Class 6.1 toxic cyanides, Class 8.2 corrosive alkalis. A copy of this SDSs must be available at all times. In a place of work the PCBU must ensure that the place can be appropriately secured from access by persons other than those permitted by the PCBU to access the place; and a supply of water is available at a nearby location for personal hygiene; and adequate ventilation is provided for all storage and handling areas; and the substance is not kept near hazardous substances with which it is incompatible or with which it may react dangerously; and containers of the substance are kept away from sources of heat, are securely closed while not in use, and are kept in such a manner as to avoid spillage; and appropriate spillage retention measures are provided at the place if containers of the substance are likely to be opened or their contents are likely to be transferred. A current compliance certificate is required for workplaces where greater than 250L of this product are stored. For farms greater than 4 ha a location certificate is required where greater than 3500L are stored. Secondary containment and emergency response plans are required where greater than 1000 L of this product are stored.

Section 8: Exposure Controls/Personal Protection

Engineering measures:	Ventilation required.
Hygiene measures:	When handling do not eat, drink or smoke. Wash hands thoroughly after handling. Wash clothing separately before re-use.
Occupational Exposure Limits	No occupational exposure limits have been established.
Personal protective equipment:	
Ventilation:	This product should only be used in a well-ventilated area. If natural ventilation is inadequate, use of a fan is suggested.
Respiratory system:	Not required
Skin and body:	Wear suitable protective clothing buttoned to neck and wrist and boots.
Hands:	Chemical resistant gloves.(PVC or nitrile rubber)
Eyes:	Safety goggles or face shield.

Section 9: Physical and Chemical Properties

Physical state:	Liquid
Colour:	Dark brown
Odour:	Pungent vinegar-like odour
Boiling Point:	Approximately 100°C at 100kPa
Freezing/Melting Point:	No specific data. Liquid at normal temperatures
Volatiles:	Water component
Vapour Pressure:	2.37 kPa @ 20°C (water vapour pressure)
Vapour Density:	No Data
Specific Gravity:	1.022



SAFETY DATA SHEET RAIZER 700 SURFACTANT

Water Solubility:	Completely soluble in water
pH:	3.6 (1% in water)
Volatility:	No data.
Odour Threshold:	No data.
Evaporation Rate:	No data.
Coeff Oil/water distribution:	4.87 (propionic acid) (log P octanol/water)
Autoignition temp:	Not applicable – does not burn

Section 10: Stability and Reactivity

Reactivity:	This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.
Conditions to Avoid:	Store in the closed original container in a dry, cool, well-ventilated area out of direct sunlight.
Incompatibilities:	bases, strong oxidizing agents.
Polymerisation:	This product will not undergo polymerization reactions.
Fire Decomposition:	Only small quantities of decomposition products are expected from this product at temperatures normally achieved in a fire. This will only occur after heating to dryness. Combustion forms carbon dioxide, and if incomplete, carbon monoxide. Water is also formed. May form oxides of phosphorus and other phosphorus compounds. Carbon monoxide poisoning produces headaches, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment and unconsciousness followed by coma and death.

Section 11: Toxicological Information

Local Effects:	
Target Organs:	There is no data to hand indicating any particular target organs.

Section 12: Ecological Information

This product is biodegradable. It will not accumulate in the soil or water or cause long term problems.

Section 13: Disposal Considerations

Methods of disposal:	Container Disposal - Triple rinse empty container and add rinsate to spray tank. Do not reuse but crush or puncture and bury in a suitable landfill, or if appropriate, recycle (e.g. AgRecovery program). Avoid contamination of any water supply with product or empty container.
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Section 14: Transport Information

Road and Rail Transport:

UN No: 1760
Class-primary 8
Packing Group II
Shipping Name: CORROSIVE LIQUID, N.O.S (Propionic acid 35%)

Air Transport

UN No: 1760
Class-primary 8
Packing Group II
Proper Shipping Name: CORROSIVE LIQUID, N.O.S (Propionic acid 35%)

Marine Transport

UN No: 1760
Class-primary 8
Packing Group II
Proper Shipping Name: CORROSIVE LIQUID, N.O.S (Propionic acid 35%)

Section 15: Regulatory Information



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New Zealand Regulatory Information:

HAZARD CLASSIFICATIONS: 6.1D, 8.2B, 8.3A, 9.1B, 9.3B



CORROSIVE



ECOTOXIC

RECORD KEEPING: Records of use must be kept under certain circumstances – see The New Zealand Standards for Management of Agrichemicals (NZS8409) for details

ACVM Approval: **Not Applicable**

NZFA Approval: Approved pursuant to the HSNO Act 1996, Approval Code: HSR002491
See www.epa.govt.nz for approval controls

Section 16: Other Information

Note: This product is a registered agricultural chemical and must be therefore be used in accordance with the container label directions. A comprehensive package of toxicological and environmental data for the active ingredients of this product has been submitted to the Government health and environment authorities and has been evaluated by expert toxicologists and environmental scientists.

The information contained in the Safety Data sheet is correct to the best of our knowledge at the date of issue. It is intended as a guide for the safe use, handling, disposal, storage and transportation and is not intended as a warranty or as a specification. The information relates only to the product specified and may not be suitable for combinations with other materials or in processes other than those specifically described herein.

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