

SAFETY DATA SHEET

Section 1: SUBSTANCE IDENTIFICATION AND SUPPLIER

Product Name: Machine Plus Auto Dishwash
Other Name: Machine Plus Auto Dishwash
Recommended Use: Detergent for Automatic Dishwashers
Company Identification: Integra Industries Ltd
Address: 21 Glasgow St.
Dunedin
Ph: (03) 4556805
Emergency Telephone Number: IN AN EMERGENCY, DIAL 111 – FIRE or POLICE or AMBULANCE
National Poisons Information Centre: 0800 POISON (0800 764 766) 24 HOURS

Section 2: HAZARD IDENTIFICATION

Dangerous Goods: Dangerous Goods Class 8, Packing Group III
Hazardous Substance (HSNO): 6.1D (Harmful if swallowed)
8.1A (May be corrosive to metals)
8.2B (Causes skin irritation)
8.3A (Causes serious eye damage)
9.1D (Harmful to aquatic life)
HSNO Approval: HSR002526

Section 3: COMPOSITION INFORMATION

INGREDIENT	CAS No.	CONTENT
Sodium Hydroxide	1310-73-2	<30%
Nitrilotriacetic acid	139-13-9	<30%
Amino tri methylene phosphoric acid.	20592-85-2	<20%
Water		Balance

Section 4: FIRST AID MEASURES

First Aid Measures: Consult the National Poisons Centre on 0800 POISON (0800 764 766) or a doctor immediately in every case of suspected poisoning.
Inhalation: May cause nasal and respiratory irritation. Remove patient to fresh air. Seek medical assistance if effects occur
Ingestion: May cause burns and irritation to mouth and throat. Rinse mouth out and drink large quantities of water. For advice, contact the National Poisons Centre on 0800 POISON (0800 764 766). Seek medical assistance immediately.
Skin: Causes irritation to skin. Wash off thoroughly with water.
Eye: Severe irritant. Irrigate eyes thoroughly under running water for 15 minutes. Seek medical assistance if effects occur
Advice to Doctor: No specific antidote. Treat symptomatically

Section 5: FIRE FIGHTING MEASURES

Flammability: Non flammable
Hazardous Combustion Products: None

Section 6: ACCIDENTAL RELEASE MEASURES

Spills and Disposal:	Wear appropriate protective clothing. Exclude non-essential people from the area. Contain liquid spill and absorb with inert material such as soil, sand or absorbent granules and place in a sealable waste container. Dispose of waste safely in an approved landfill.
Protective Clothing:	For appropriate personal protective equipment see section 8.
Environmental Precaution:	Prevent from entering drains, waterways or sewers. If spill does enter waterways contact local authority.

Section 7: HANDLING AND STORAGE

Handling:	Keep out of reach of children. Avoid contact with skin, eyes and inhalation.
Storage:	Store in original container tightly closed and in a locked, dry, cool area away from foodstuffs.
Other Information:	Always read the label before use. See label for further information on handling and storage.

Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Limits:	No exposure limits have been assigned for this product by OSHA
Protective Equipment:	Use PVC gloves when handling.
Engineering Controls:	Handle in well ventilated area.
Hygiene Precautions:	Do not eat, drink or smoke while using this product. Remove protective clothing and wash hands and face before meals and after work. Wash protective clothing daily after work.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear liquid
Odour:	Sodium Hydroxide Odour
Density:	1.16
Solubility in Water:	Disperses in water
pH:	11.4 – 12.0
Other Information:	(SC) Suspension Concentrate

Section 10: STABILITY AND REACTIVITY

Stability:	When stored appropriately this product should show no significant degradation for 2 years from the date of manufacture.
Hazardous Polymerisation:	Hazardous polymerisation will not occur
Materials to Avoid:	Avoid contact with strong oxidising agents

Section 11: TOXICOLOGICAL INFORMATION

Inhalation:	Breathing in mists or aerosols may produce respiratory irritation.
Ingestion:	Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain, and chemical burns to the gastrointestinal tract.
Skin:	Highly corrosive to skin – may cause skin burns.
Eye:	Highly corrosive to eyes; contact can cause corneal burns. Contamination of eyes can result in permanent injury.
Chronic Effects:	No toxicity data for this specific product, however toxicity data for the hazardous ingredient is listed below. TOXICITY DATA FOR SODIUM HYDROXIDE: Intraperitoneal LD ₅₀ (mouse) 40 mg/kg Oral Lowest Lethal Dose (rabbit) 500 mg/kg Skin (rabbit) severe irritation 500mg/24hr Eyes (rabbit) severe irritation 1 mg/30 sec rinse
Reproductive Toxicity:	Data indicates no reproductive effects

Mutagenicity: No mutagenic or teratogenic effects expected

Section 12: ECOLOGICAL INFORMATION

ERMA Classification: NA

Ecotoxicity: Avoid contaminating waterways. The product is highly alkaline. If large spills occurred a water pH rise could be responsible for an environmental effect on aquatic organisms. If not neutralised this product could potentially be toxic for aquatic organisms because of its alkalinity (pH > 9 can have an effect on fish, with possible fish death). pH > 8.5 could be destroying for algae.

Persistence/Mobility: This product has no organic components thus AS4351 is not applicable.

Section 13: DISPOSAL INFORMATION

Product Disposal: Empty containers should be forwarded to an approved agent for recycling. Avoid unauthorised discharge to sewer.

Container Disposal: The product is suitable for disposal by landfill through an approved agent. Incineration of the product is not recommended, as it is unlikely to adequately burn.

Section 14: TRANSPORT INFORMATION

RAIL/ROAD:

UN Number:	1719
Proper Shipping Name:	CAUSTIC ALKALI LIQUID, N.O.S. (CONTAINS SODIUM HYDROXIDE)
DG Class:	8
Packing Group:	II
Marine Pollutant:	Yes

SEA (IMDG Code):

UN Number:	1719
Proper Shipping Name:	CAUSTIC ALKALI LIQUID, N.O.S. (CONTAINS SODIUM HYDROXIDE)
DG Class:	8
Packing Group:	II
Marine Pollutant:	Yes

AIR: (ICAO/IATA)

UN Number:	1719
Proper Shipping Name:	CAUSTIC ALKALI LIQUID, N.O.S. (CONTAINS SODIUM HYDROXIDE)
DG Class:	8
Packing Group:	II
Marine Pollutant:	Yes

Other Information:

Section 15: REGULATORY INFORMATION

ACVM: Registered pursuant to the ACVM Act 1997, P7133
See www.nzfsa.govt.nz/acvm/ for registration conditions.

ERMA: Approved pursuant to the HSNO Act 1996, Code: HSR000466
See www.erna.govt.nz for approval controls.

Section 16: OTHER INFORMATION

This SDS supersedes 17/03/2003 and was reviewed to include HSNO requirements.

The data in this SDS relates only to the specific material designated herein and does not relate to use in combination with any other material. The information is provided in good faith based on current knowledge and experience. No warranty with regard to the product properties is expressed or implied.