

# SAFETY DATA SHEET

## Super Bowl

SDS version 1 | 14<sup>th</sup> May 2020

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

PRODUCT NAME: Unisol Super Bowl  
RECOMMENDED USE: Toilet Bowl /Bathroom Cleaner

SUPPLIER NAME: Arrow Hygiene  
ADDRESS: 1D Quadrant Drive, Waiwhetu, Lower Hutt 5010

Emergency Telephone: New Zealand: 0800 764 766 (NZ NATIONAL POISON CENTRE)

### 2. HAZARD IDENTIFICATION

HAZARD CLASSIFICATION: **NON-HAZARDOUS** according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)



Hazard statement: **DANGER**

HSNO classes: **6.1E (Oral), 6.1D (Inhal.), 6.3A, 8.3A**

Hazard statement codes:

- H303 – May be harmful if swallowed.
- H315 – Causes skin irritation.
- H318 – Causes serious eye damage.
- H332 – Harmful if inhaled.

Prevention statements:

- P102 – Keep out of reach of children.
- P103 – Read label before use.
- P104 – Read Safety Data Sheet before use.
- P261 – Avoid breathing mist/spray.
- P264 – Wash hands thoroughly after handling.
- P280 – Wear protective gloves, clothing and eye/face protection.

Response statement codes:

- P305 + P351 + P338 IF IN EYES: Rinse cautiously for several minutes. REMOVE contact lenses if present and safe to do so. Continue rinsing.
- P332 + P313 IF SKIN IRRITATION occurs: Get medical advice/attention.
- P337 + P313 IF EYE IRRITATION persists. Get medical advice/attention.

Storage statement codes: None

Disposal Statement:

- P501 – Do not let this product enter the environment. Do not dispose of in waterways or sewers.
- Dispose of this material and its container as hazardous waste, via a licensed facility. See council for disposal/recycling info.

HAZARD CATEGORY (GHS):

- Acute Toxicity (Oral) - Category 5
- Acute Toxicity (Inhalation) - Category 4
- Skin Corrosion/Irritation - Category 2
- Serious Eye Damage/Irritation - Category 1

**The information contained in this SDS is specific to the product when handled and used neat.**

This product when diluted/mixed may not require the same control measures as the neat product. See section 16 for more information. Check with your technical representative if in doubt.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

The ingredients below are considered either hazardous, dangerous goods or poison scheduled according to the criteria of SWA, AUG Code and SUSDP (respectively) at the levels used in the product.

INGREDIENT	CAS No.	PROPORTION (% w/w)
2-Hydroxypropane-1,2,3-tricarboxylic acid	77-92-9	< 20%
2-Hydroxyethanoic acid	79-14-1	< 5%
2-Phosphonobutane-1,2,4-tricarboxylic acid	37971-36-1	< 5%

### 4. FIRST AID MEASURES

INGESTION: Rinse mouth out with water. Do NOT induce vomiting.

EYE CONTACT: Flush with water for several minutes. Remove contact lenses. Continue rinsing for at least 15 minutes.

SKIN CONTACT: Wash hands thoroughly after handling.

INHALATION: Remove from source of exposure to fresh air.

FIRST AID FACILITIES: Provide eye baths and safety showers close to areas where splashing may occur.

ADVICE TO DOCTOR: Treat symptomatically based on judgement of doctor and individual reactions of patient.

### 5. FIRE FIGHTING METHODS

GENERAL MEASURES: Clear fire area of all non-emergency personnel. Stay upwind. Keep out of low areas. Eliminate ignition sources. Move fire exposed containers from fire area if it can be done without risk.

FLAMMABILITY CONDITIONS: Product is not combustible.

EXTINGUISHING MEDIA: Use extinguishing media appropriate for surrounding fire.

HAZARDOUS PRODUCTS OF COMBUSTION: The product is non-combustible; however, the packaging material may burn to emit noxious fumes.

SPECIAL FIRE FIGHTING INSTRUCTIONS: DO NOT allow firefighting water to reach waterways, drains or sewers.

PERSONAL PROTECTIVE EQUIPMENT: Wear positive pressure self-contained breathing apparatus (SCBA) and protective firefighting clothing (including Helmet, Coat, Trousers, Boots and Gloves) or chemical splash suit.

HAZCHEM CODE No information available.

### 6. ACCIDENTAL RELEASE MEASURES *(Note: This applies to the spillage of bulk, neat product)*

GENERAL RESPONSE PROCEDURE: Clear area of all unprotected personnel. Allow only trained personnel wearing appropriate protective equipment to be involved in spill response. Contain spill, avoid accidents, clean up immediately. Increase ventilation.

CLEAN UP PROCEDURES: Collect as much of the spill as possible. Absorb with sand, earth or clay. Transfer to suitable, labelled containers and dispose of promptly as hazardous waste. Spill on areas other than pavement (e.g. dirt and sand) may be handled by removing the affected soils and placing in approved containers.

CONTAINMENT: Stop leak if safe to do so. Contain spill immediately.

DECONTAMINATION: Wash down spill area with water.

ENVIRONMENTAL PRECAUTIONARY MEASURES: Prevent run off into drains and waterways. If contamination of sewers or waterways has occurred advise the Environmental Protection Authority and/or your local Waste Authority.

EVACUATION CRITERIA Evacuate all non-essential personnel.

PERSONAL PRECAUTIONARY MEASURES: Personnel involved in the clean-up should wear full protective clothing as per section 8.

## 7. HANDLING AND STORAGE

**HANDLING:** Keep eye bath available and ready for use. Observe good personal hygiene practices and recommended procedures. Avoid contact with eyes, skin and clothing. Do not smoke, eat or drink when handling product. Always remove contaminated clothing and wash hands before eating, drinking, smoking or using the toilet. Wash contaminated clothing before re-use.

**STORAGE:** Store upright in the original container in a cool, dry, well-ventilated protected area out of direct sunlight and away from incompatible materials and foodstuffs. Keep containers tightly closed when not in use. Inspect regularly for deficiencies such as damage or leaks. Do not combine part containers of the same product. Emergency showers and eye-washes must be available.

**CONTAINER** Store in original packaging as approved by manufacturer.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**GENERAL:** 2-Butoxy Ethanol [CAS 50-00-0]  
**EXPOSURE LIMITS:** 2-Butoxy Ethanol – TWA-Ceil – 25ppm. All data from NZ Workplace Exposure Standards  
**BIOLOGICAL LIMITS:** No information available on biological limit values for this product.  
**ENGINEERING MEASURES:** Adequate ventilation should be provided so that exposure limits are not exceeded.

### PERSONAL PROTECTIVE EQUIPMENT

**RESPIRATOR:** Not Needed.  
**EYES:** Use splash proof safety goggles that conform to AS1336/1337.  
**HANDS:** Any Gloves approved for chemical hazards that conform to AS2161.  
**CLOTHING:** Trousers, Long sleeved shirt and closed shoes.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid  
**APPEARANCE:** Clear  
**COLOUR:** Red  
**ODOUR:** Characteristic  
**pH:** 2.5 – 3.5  
**DENSITY:** No Data Available  
**VAPOUR PRESSURE:** No Data Available  
**VAPOUR DENSITY:** No Data Available  
**BOILING POINT:** No Data Available  
**FREEZING POINT:** No Data Available  
**SOLUBILITY:** Complete in water  
**SHELF LIFE:** 2 years from date of manufacture (when stored as directed).

## 10. STABILITY AND REACTIVITY

**GENERAL INFORMATION:** Stable under normal conditions of use.  
**CHEMICAL STABILITY:** The substance is stable under normal environmental and foreseeable conditions of temperature and pressure during storage and handling.  
**CONDITIONS TO AVOID:** Avoid contact with foodstuffs. Do not combine part drums of the same product  
**MATERIALS TO AVOID:** No information available.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** The packaging material may burn to emit noxious fumes.

## 11. TOXICOLOGICAL INFORMATION

**ORAL:** 2-Butoxy Ethanol LD<sub>50</sub> = 1414mg/kg (Guinea Pig). Acute toxicity data indicates low toxicity (virtually nontoxic after a single ingestion)  
2-Hydroxyethanoic acid LD<sub>50</sub> = 2040mg/kg (Rat) – Supplier SDS. Acute toxicity data indicates low toxicity (virtually nontoxic after a single ingestion)  
**DERMAL:** 2-Butoxy Ethanol LD<sub>50</sub> >2000mg/kg (Guinea Pig). Harmful in contact with skin. Product is absorbed through the skin. Symptoms include: Redness.  
**INHALATION:** 2-Butoxy Ethanol LC<sub>50</sub> = 3.1mg/L (Guinea Pig). Acute toxicity data indicates low toxicity. EYE Causes mild eye irritation.  
2-Hydroxyethanoic acid LC<sub>50</sub> = 3.6mg/L (Rat-4hr Exp.). Harmful by inhalation. Can cause pneumonia

	and/or pulmonary oedema, but only after signs of corrosive effects on the mucous membranes of the eyes and/or the upper respiratory tract. Symptoms include: Irritation, Sore throat, Cough, Dizziness, Drowsiness, Difficulty in breathing, Sleepiness, Unconsciousness.
EYE:	Causes burns to ocular tissue.
CARCINOGENICITY:	No information available.
MUTAGENICITY:	No information available.
REPRODUCTIVE:	No information available.
TARGET ORGAN:	No information available.
LONG TERM:	No information available.

## 12. ECOLOGICAL INFORMATION

ECOTOXICITY:	2-Butoxy Ethanol: (Data from NZ Chemical Classification and Information Database) LC <sub>50</sub> (Fish, 96 h) = 1474 mg/L (Oncorhynchus mykiss) EC <sub>50</sub> (Algae, 72h) = 911 mg/L (Pseudokirchneriella subcapitata) EC <sub>50</sub> (Aquatic Invertebrate, 48h) = 1550 mg/L (Daphnia magna) NOEC (Algae, 72 h) >280 mg/L (Pseudokirchneriella subcapitata) NOEC (Crustacea, 21d) >100 mg/L (Daphnia magna) 2-Hydroxyethanoic acid: LC <sub>50</sub> (Fish, 96h) = 164mg/L (Peepholes promelas) EC <sub>50</sub> (Crustacea, 48h) = 141mg/L (Daphnia magna) ErC <sub>50</sub> (Algae, 72h) = 44mg/L (Pseudokirchneriella subcapitata)
PERSISTENCE /DEGRADABILITY:	Readily Biodegradable.
MOBILITY:	High water solubility and mobility.
ENVIRONMENTAL FATE:	Do not allow drainage into sewer, streams or storm water systems.
BIOACCUMULATION POTENTIAL:	No information available.
ENVIRONMENTAL IMPACT:	No information available.

## 13. DISPOSAL CONSIDERATIONS

GENERAL INFORMATION:	Dispose of in accordance with all local, regional and national regulations. All empty packaging should be disposed of in accordance with local, regional, and national regulations or recycled/reconditioned at an approved facility.
SPECIAL PRECAUTIONS FOR LANDFILL:	Containers should be rinsed and disposed of in line with any requirements of the Resource Management Act for which approval should be sought from the Regional Authority.

## 14. TRANSPORT INFORMATION

ROAD AND RAIL TRANSPORT: NOT Classified as DANGEROUS GOODS by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

UN NUMBER:	No Data Available
UN SHIPPING NAME:	No Data Available
CLASS, SUBSIDIARY RISKS:	No Data Available
PACKAGING GROUP:	No Data Available
HAZCHEM CODE:	No Data Available

MARINE TRANSPORT: NOT Classified as DANGEROUS GOODS by International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

UN NUMBER:	No Data Available
MARINE POLLUTANT:	NO

AIR TRANSPORT: NOT Classified as DANGEROUS GOODS by International Air Transport Association (IATA) for transport by air.

UN NUMBER:	No Data Available
------------	-------------------

## 15. REGULATORY INFORMATION

COUNTRY/ REGION: New Zealand  
APPROVAL CODE: HSR002530 – Cleaning Products (Subsidiary Hazard) Group Standard 2006  
HSNO CLASSIFICATIONS: 6.1E(Oral), 6.1D(Inhal.), 6.3A, 8.3A  
APPROVED HANDLER: Not Required  
NZIOC: Listed

## 16. OTHER INFORMATION

SDS ISSUE NUMBER: 001 (*This issue number replaces all previous issues.*)  
SDS ISSUE DATE: 14/5/2019  
REASON(S) FOR ISSUE: Rebranded. SDS as per manufacturer.  
REVIEW: To be reviewed/updated within 5 years of the last date of issue.  
DISPOSAL: When used as directed, this product is suitable to be disposed of down sewers.

## LEGEND

AS1336/1337: Industrial Eye Protection – Metric Units (Standards Australia).  
AS1715/1716: Respiratory Protection Devices – Metric Units (Standards Australia).  
AS2161: Industrial Safety Gloves and Mittens (Standards Australia).  
CAS: Chemical Abstracts Service.  
EC<sub>50</sub>: Concentration which induces a response halfway between the baseline and maximum.  
EMS: IMDG Emergency Schedule.  
EPG: Emergency Procedures Guide.  
GHS: Globally Harmonised System.  
HSNO: Hazardous Substances and New Organisms.  
IMDG: International Maritime Dangerous Goods.  
LC<sub>50</sub>: Concentration required to kill half the members of a tested population after a specified duration.  
LD<sub>50</sub>: Dosage required to kill half the members of a tested population after a specified duration.  
NOEC: No Observed Effect Concentration.  
NZIOC: New Zealand Inventory of Chemicals.  
SDS: Safety Data Sheet, Material Safety Data Sheet, MSDS.  
UN No.: UN Nations Number.  
WES-Ceiling: Concentration that should not be exceeded at any time during any part of the working day.

## REFERENCE

Workplace Exposure Standards-and Biological Exposure Indices – WorkSafe New Zealand.  
TOXNET – ChemIDPlus Database.  
IMDG Appendix B List of Marine Pollutants.  
IMDG Emergency Fire and Spill Codes.  
UN Recommendations on the Transport of Dangerous Goods Volume 1 (17th Edition) Part 3.

This SDS has been prepared from current technical data and summarises at the date of issue our best knowledge of the health and safety information of the product, and how to safely handle and use the product in the work place. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact the company.

Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request. This SDS may only be reproduced in full. Summaries or excerpts from this SDS may not contain all the relevant information and thus are not permitted.

**END OF SDS**