

**Section 1. IDENTIFICATION**

**Product Name:** CUSTOM CRATE WASH

**Other Names:** Caustic Soda/Potash blend

**Uses:** Smokehouse and heavy duty food processing cleaner

**Chemical Family:** No Data Available

**Chemical Formula:** No Data Available

**Chemical Name:** Caustic Soda/Potash Blend

**Product Description:** No Data Available

**CONTACT DETAILS OF THE SUPPLIER OF THIS SAFETY DATA SHEET**

**Business:** Colonial Chemicals Australia

**Address:** Skewes Road, Bendemeer, NSW, AUSTRALIA, 2355

**Postal Address:** P.O Box 167 Moonbi, NSW, 2353

**Phone:** 02 67 696 658 **Mobile:** 0427 696658 **Fax:** 02 57015137

**Email:** [admin@colonialchemicals.com.au](mailto:admin@colonialchemicals.com.au)

**Web Site:** [www.colonialchemicals.com.au](http://www.colonialchemicals.com.au)

**Emergency Contact Details**

*For emergencies only; DO NOT contact these companies for general product advice.*

Poisons Information Centre	Westmead NSW	131126 or 1800-251525
Chemcall	Australia	1800-127406

**Section 2. HAZARD IDENTIFICATION**

**Poisons Schedule (Aust)** 6

**Globally Harmonised System**

**Hazard Classification** **Hazardous** according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)

**Hazard Categories** Corrosive to Metals - Category 1  
Acute Toxicity (Oral) - Category 4  
Skin Corrosion/Irritation - Category 1A  
Serious Eye Damage/Irritation - Category 1

**Pictograms**



**Signal Word** Danger

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**SAFETY DATA SHEET**

**Product:** CUSTOM CRATE WASH  
**Issued by:** Colonial Chemicals Australia

**Issue date:** 01/01/2016  
**Phone:** 02 67 696 658

**Poisons Information Centre 131126 or Technical Officer 02 67 696 658**

## Section 2. HAZARD IDENTIFICATION (Continued)

### Hazard Statements

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.

### Precautionary Statements

#### Prevention

P234	Keep only in original container.
P264	Wash skin thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

#### Response

P303 + P361 + P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P301 + P330 + P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P304 + P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P390	Absorb spillage to prevent material damage.

#### Storage

P405	Store locked up.
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#### Disposal

P501	Dispose of contents/container in accordance with local / regional / national /international regulations.
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### National Transport Commission (Australia)

Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code).

#### Dangerous Goods Classification

**Dangerous Goods** according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code).

## Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Ingredients

CHEMICAL ENTITY	FORMULA	CAS No	PROPORTION (%w/w)
SODIUM HYDROXIDE	NaOH	1310-73-2	<10 %
POTASSIUM HYDROXIDE	KOH	1310-58-3	<10 %
WATER	H <sub>2</sub> O	7732-18-5	Balance %

## Section 4. FIRST AID MEASURES

### Description of necessary measures according to routes of exposure

<b>Swallowed</b>	Rinse mouth. Do NOT induce vomiting. If within a few minutes after ingestion, one small glass of water may be given to drink. Refer immediately for medical attention.
<b>Eye</b>	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then refer for medical attention.
<b>Skin</b>	Remove contaminated clothes. Rinse skin with plenty of water or shower for at least 15 minutes. Refer immediately for medical attention.
<b>Inhaled</b>	Fresh air, rest. Refer immediately for medical attention. Move victim to fresh air. Call emergency medical service. Give artificial respiration if victim is not breathing. Do not use mouth-to-mouth methods if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Administer oxygen if breathing is difficult. Consult a doctor or call POISON CONTROL centre. Take the product container or safety data sheet with you.
<b>Advice to Doctor</b>	Indication of immediate medical attention and special treatment needed : Give artificial respiration if victim is not breathing but not mouth to mouth. Immediately flush contaminated eyes with gently flowing water. Do not induce vomiting. Obtain immediate medical attention.
<b>Medical Conditions Aggravated by Exposure</b>	Serious local effects by all routes of exposure- inhalation, ingestion, skin and/or eye contact. Acute toxicity, irritation eyes, skin, respiratory system; cough, sneezing; eye, skin burns; vomiting, diarrhoea.

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## Section 5. FIRE FIGHTING MEASURES

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<b>General Measures</b>	If safe to do so, remove containers from the path of fire.
<b>Flammability Conditions</b>	No Data Available
<b>Extinguishing Media</b>	In case of fire in the surroundings, use appropriate extinguishing media. Extinguish fire using agent suitable for type of surrounding fire. (Material itself does not burn or burns with difficulty.) Use water in flooding quantities as fog. Apply water from as far a distance as possible. Use "alcohol" foam, dry chemical or carbon dioxide. Keep run-off water out of sewers and water sources.
<b>Fire and Explosion Hazard</b>	Non-combustible liquid. Not considered to be a fire hazard or an explosion hazard.
<b>Hazardous Products of Combustion</b>	Hazardous decomposition products may include noxious and toxic fumes of carbon monoxide and carbon dioxide.
<b>Special Fire Fighting Instructions</b>	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. Do NOT allow fire fighting water to reach waterways, drains or sewers. Store fire fighting water for treatment.
<b>Personal Protective Equipment</b>	Fire fighters should wear a positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots and gloves) or chemical splash suit. Please note: Structural fire fighters uniform will provide limited protection.
<b>Flash Point</b>	No Data Available
<b>Lower Explosion Limit</b>	No Data Available
<b>Upper Explosion Limit</b>	No Data Available
<b>Auto Ignition Temperature</b>	No Data Available
<b>Hazchem Code</b>	2X

## Section 6. ACCIDENTAL RELEASE MEASURES

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<b>General Response Procedure</b>	Hazards from spills and leaks should be minimized by an adequate supply of water for washing-down. Adequate ventilation should be provided in areas where caustic soda mist or dust is present. For the protection of the eyes, safety goggles should be worn, as well as face shields, if complete face protection is necessary. Eyewash fountains and safety showers must be available at any location where eye and/or skin contact can occur. Protection against mist or dust of this compound can be provided by filter or dust-type respiratory protective equipment. Safety shoes are recommended.
<b>Clean Up Procedures</b>	Personal protection: chemical protection suit including self-contained breathing apparatus. Do NOT let this chemical enter the environment. Sweep spilled substance into covered plastic containers. Carefully collect remainder. Then store and dispose of according to local regulations.
<b>Containment</b>	Stop leak if safe to do so.
<b>Environmental Precautionary Measures</b>	The most favorable course of action is to use an alternative chemical product with less inherent propensity for occupational harm/injury/toxicity or environmental contamination. Recycle any unused portion of the material for its approved use or return it to the manufacturer or supplier. Ultimate disposal of the chemical must consider: the material's impact on air quality; potential migration in soil or water; effects on animal and plant life; and conformance with environmental and public health regulations.
<b>Evacuation Criteria</b>	Evacuate all unnecessary personnel.
<b>Personal Precautionary Measures</b>	Personnel involved in the clean up should wear full protective clothing as listed in section 8.

## Section 7. HANDLING AND STORAGE

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<b>Handling</b>	Plastics and plastic-lined steel are now available as construction materials. Mild steel is adequate for almost all caustic-handling applications. Keep container closed when not in use. Exercise great care in handling potassium hydroxide, as it rapidly destroys tissue. Do not handle with bare hand. Wash hands thoroughly after any skin contact. Avoid inhalation or contact with eye and skin. Do not ingest.
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## Section 7. HANDLING AND STORAGE (Continued)

<b>Storage</b>	Store in a cool, dry, well-ventilated area. Keep containers tightly closed when not in use. Inspect regularly for deficiencies such as damage or leaks. Protect against physical damage. Store away from incompatible materials as listed in section 10. Protect from direct sunlight, moisture and static discharges. Do NOT allow material to dry out. Avoid heat, freezing and ultra- violet light. Keep away from food, drink, and animal feeding stuffs. This product has a UN classification of 3266 and a Dangerous Goods Class 8 (Corrosive) according to The Australian Code for the Transport of Dangerous goods By Road and Rail.
<b>Container</b>	Store only in original packaging as approved by manufacturer.

## Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION HANDLING AND STORAGE

<b>General</b>	Safe Work Australia, TWA : Sodium Hydroxide, 2 Peak limitation, 2 mg/m <sup>3</sup> , 8 hours Potassium Hydroxide, 2 Peak limitation, 2 mg/m <sup>3</sup> , 8 hours Sodium Hydroxide, 2mg/m <sup>3</sup> (ceiling value) Potassium Hydroxide, 2mg/m <sup>3</sup> (ceiling value)
<b>Exposure Limits</b>	No Data Available
<b>Biological Limits</b>	No information available on biological limit values for this product.
<b>Engineering Measures</b>	A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Adequate ventilation should be provided so that exposure limits are not exceeded.
<b>Personal Protection Equipment</b>	RESPIRATOR: Wear a positive-pressure, self-contained breathing apparatus for planned entry into unknown concentrations or in case of emergency (AS1715/1716). EYES: Safety glasses with side shields (AS1336/1337). HANDS: Wear impervious protective gloves (AS2161). CLOTHING: Flame-retardant coveralls and anti-static footwear (AS3765/2210).
<b>Work Hygienic Practices</b>	No Data Available

## Section 9. IDENTIFICATION

<b>Physical State</b>	LIQUID
<b>Appearance</b>	CLEAR SOLUTION
<b>Odour</b>	NO SPECIFIC ODOUR
<b>Colour</b>	COLOURLESS
<b>pH</b>	13.0 – 14.0
<b>Vapour Pressure</b>	No Data Available
<b>Relative Vapour Density</b>	No Data Available
<b>Boiling Point (degrees C)</b>	No Data Available
<b>Melting Point</b>	No Data Available
<b>Freezing Point</b>	No Data Available
<b>Solubility</b>	SOLUBLE
<b>Specific Gravity (g/ml @ 25degreesC)</b>	No Data Available
<b>Flash Point</b>	No Data Available
<b>Auto Ignition Temp</b>	No Data Available
<b>Evaporation Rate</b>	No Data Available
<b>Bulk Density</b>	No Data Available
<b>Corrosion Rate</b>	No Data Available
<b>Decomposition Temperature</b>	No Data Available
<b>Density</b>	1.48 – 1.49
<b>Specific Heat</b>	No Data Available
<b>MolecularWeight</b>	No Data Available
<b>Net Propellant Weight</b>	No Data Available
<b>OctanolWater Coefficient</b>	No Data Available
<b>Particle Size</b>	No Data Available
<b>Partition Coefficient</b>	No Data Available
<b>Saturated Vapour Concentration</b>	No Data Available

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## Section 9. IDENTIFICATION (Continued)

Vapour Temperature	No Data Available
Viscosity	No Data Available
Volatile Percent	No Data Available
VOC Volume	No Data Available
Additional Characteristics	No Data Available
Potential for Dust Explosion	No Data Available
Fast or Intensely Burning Characteristics	No Data Available
Flame Propagation or Burning Rate of Solid Materials	No Data Available
Non-Flammables That Could Contribute Unusual Hazards to a Fire	No Data Available
Properties That May Initiate or Contribute to Fire Intensity	No Data Available
Reactions That Release Gases or Vapours	No Data Available
Release of Invisible Flammable Vapours and Gases	No Data Available

## Section 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Soluble in water. Dissolution can liberate enough heat to cause steaming and spattering and ignite adjacent combustible material Slowly absorbs carbon dioxide from the air to give solid products as crusts or precipitates. Water soluble. Dilution with water liberates heat, possibly enough to cause local boiling and spattering. Generates considerable heat when solution is mixed with acid. Acids, water, metals (when wet), halogenated hydrocarbons, maleic anhydride [Note: Heat is generated if KOH comes in contact with water & carbon dioxide from the air].
<b>Conditions to Avoid</b>	Avoid excessive heat, direct sunlight, moisture, static discharges and high temperatures
<b>Materials to Avoid</b>	Incompatible with strong oxidising agents, bases, mineral acids and sources of ignition.
<b>Hazardous Decomposition Products</b>	No Data Available
<b>Hazardous Polymerisation</b>	Hazardous Polymerisation will not occur.

## Section 11. TOXICOLOGICAL INFORMATION

<b>General Information</b>	Sodium Hydroxide: LD50 Oral (Rat), 140-340 mg/kg Sodium Hydroxide: LC50 inhalation (Mouse), 39,000 mg/m <sup>3</sup> /4 hrs. Potassium Hydroxide: LD50 Oral (Rat), 265 mg/kg Caustic Blend : Not known to be a skin sensitizer. There is no risk for developmental toxicity and no risk for toxicity to reproduction. Both in vitro and in vivo genetic toxicity tests indicated no evidence for a mutagenic activity. No confirmed data available on carcinogenicity. STOT- single exposure and repeated exposure not known. Potassium Hydroxide : Not known to be a skin sensitizer. No evidence for a mutagenic activity. No risk for reproductive toxicity is expected. There is no evidence KOH to be carcinogenic in exposure situations that are relevant for man. STOT- single exposure and repeated exposure not known.
<b>EyeIrritant</b>	The substance is very corrosive to the eyes.
<b>SkinIrritant</b>	Caustic Blend : The substance is corrosive to the skin. Repeated or prolonged contact with skin may cause dermatitis. When caustic soda comes into contact with the skin it does not usually cause immediate pain, but it does start to cause immediate damage. Effects of exposure (inhalation, ingestion or skin contact) to substance may be delayed. Effects of contact may be delayed.
<b>Ingestion</b>	Corrosive on ingestion. Caustic dusts are irritating to the upper respiratory system. Effects of exposure (inhalation, ingestion or skin contact) to substance may be delayed. Corrosive on ingestion. Swallowing caustic alkalis /potassium hydroxide/ causes immediate burning pain in the mouth, throat, and stomach, and the lining membranes become swollen and detached. Vomiting and purging may occur.
<b>Inhalation</b>	The substance is corrosive to the respiratory tract. Prolonged exposure to high concentrations may cause discomfort and ulceration of nasal passages. Effects of contact or inhalation may be delayed.
<b>Carcinogen Category</b>	No Data Available

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## Section 12. ECOLOGICAL INFORMATION

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<b>Ecotoxicity</b>	Sodium Hydroxide : LC50; freshwater, static, Carassius auratus (Goldfish), 160 mg/L for 24 hrs. Potassium Hydroxide :LC50, Carassius auratus (Goldfish), 224 mg/L for 24 hrs.
<b>Persistence/Degradability</b>	Sodium Hydroxide : Sodium persists indefinitely in the environment. The hydroxyl ion can be neutralized by acids, it can form complexes or it can be precipitated. Biological oxygen demand: None. Potassium Hydroxide : Biodegradation and Photodegradation: Not available.
<b>Mobility</b>	Sodium Hydroxide : The high water solubility and low vapour pressure indicate that NaOH will be found predominantly in water. In soil, mobility depends directly on the importance of the liquid phase of the soil and the possibility to form metal hydroxo-complexes with metal solid species.  Potassium Hydroxide : The high water solubility and low vapour pressure indicate that KOH will be found predominantly in the aquatic environment. KOH is present in the environment as potassium and hydroxyl ions, which implies that it will not adsorb on particulate matter or surfaces and will not accumulate in living tissues.
<b>Environmental Fate</b>	Adverse effects on the aquatic environment are not expected due to production or use of NaOH.
<b>Bioaccumulation Potential</b>	Sodium Hydroxide : Considering its high water solubility, NaOH is not expected to bioconcentrate in organisms. Potassium Hydroxide : Not applicable.
<b>Environmental Impact</b>	No Data Available

## Section 13. DISPOSAL CONSIDERATIONS

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<b>General Information</b>	Dispose of in accordance with all local, state and federal regulations. All empty packaging should be disposed of in accordance with Local, State, and Federal Regulations or recycled/reconditioned at an approved facility.
<b>Special Precautions for Land Fill</b>	Contact a specialist disposal company or the local waste regulator for advice. Incinerate at an approved site following all local regulations. This material may be suitable for approved landfill.

## Section 14. TRANSPORT INFORMATION

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<b>Land Transport (Australia):</b>	ADG Code
<b>Proper Shipping Name</b>	Corrosive Liquid, Basic, Inorganic NOS (Sodium hydroxide, Potassium hydroxide)
<b>Class</b>	<b>8 Corrosive Substances</b>
<b>Subsidiary Risk(s)</b>	No Data Available
<b>EPG</b>	37 Toxic And/Or Corrosive Substances Non-Combustible
<b>UN Number</b>	3266
<b>Hazchem</b>	2X
<b>Pack Group</b>	II
<b>Special Provision</b>	274
<b>Air</b>	IATA
<b>Proper Shipping Name</b>	Corrosive Liquid, Basic, Inorganic NOS (Sodium hydroxide, Potassium hydroxide)
<b>Class</b>	8 Corrosive Substances
<b>Subsidiary Risk(s)</b>	No Data Available
<b>UN Number</b>	3266
<b>Hazchem</b>	2X
<b>Pack Group</b>	II
<b>Special Provision</b>	No Data Available

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## Section 14. TRANSPORT INFORMATION (Continued)

Sea	IMDG
Proper Shipping Name	Corrosive Liquid, Basic, Inorganic NOS (Sodium hydroxide, Potassium hydroxide)
Class	8 Corrosive Substances
Subsidiary Risk(s)	No Data Available
UN Number	3266
Hazchem	2X
Pack Group	II
Special Provision	274
EMS	F-A, S-B
Marine Pollutant	No

### National Transport Commission (Australia)

Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code).

**Dangerous Goods Classification** Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code).

## Section 15. REGULATORY INFORMATION

General Information	No Data Available
Poisons Schedule (Aust)	6
Australia (AICS)	Not Listed

## Section 16. OTHER INFORMATION

Always use product as directed. Please read all labels carefully before using product. Further information may be obtained by contacting the Technical Officer on 0267 696 658. Supplied by Colonial Chemicals Australia.

SDS ISSUE Number:	1
SDS Revision Date:	01/01/2016
Reason for issue:	Updated format to SDS

*In any event, the review and, if necessary, the re-issue of a SDS shall be no longer than 5 years after the last date of issue.*

The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writer's knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product.

### Key legend/Abbreviations/Acronyms that may be used in this S.D.S.:

<	Less Than
>	Greater Than
ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition)
AICS	Australian Inventory of Chemical Substances
atm	Atmosphere
CAS	Chemical Abstracts Service (Registry Number)
cm <sup>2</sup>	Square Centimetres
CO <sub>2</sub>	Carbon Dioxide
COD	Chemical Oxygen Demand
deg C (°C)	Degrees Celcius
deg F (°F)	Degrees Farenheit
EPA (New Zealand)	Environmental Protection Authority of New Zealand
g	Grams
g/cm <sup>3</sup>	Grams per Cubic Centimetre
g/l	Grams per Litre
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially
firefighters HSNO	Hazardous Substance and New Organism
IDLH	Immediately Dangerous to Life and Health
immiscible	Liquids are insoluble in each other.
inHg	Inch of Mercury
inH <sub>2</sub> O	Inch of Water
K	Kelvin
kg	Kilogram
kg/m <sup>3</sup>	Kilograms per Cubic Metre
lb	Pound
LC	stands for lethal concentration.
LC50	is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or 4 hours.
LD	stands for Lethal Dose.
LD50	is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
ltr or L	Litre
m <sup>3</sup>	Cubic Metre

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## Section 16. OTHER INFORMATION (Continued)

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mbar	Millibar
mg	Milligram
mg/24H	Milligrams per 24 Hours
mg/kg	Milligrams per Kilogram
mg/m <sup>3</sup>	Milligrams per Cubic Metre
Misc or Miscible	Liquids form one homogeneous liquid phase regardless of the amount of either component present
mm	Millimetre
mmH <sub>2</sub> O	Millimetres of Water
mPa.s	Millipascals per Second
N/A	Not Applicable
NIOSH	National Institute for Occupational Safety and Health
NOHSC	National Occupational Health and Safety Commission
OECD	Organisation for Economic Co-operation and Development
Oz	Ounce
Pa	Pascal
PEL	Permissible Exposure Limit
pH	relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).
ppb	Parts per Billion
ppm	Parts per Million
ppm/2h	Parts per Million per 2 Hours
ppm/6h	Parts per Million per 6 Hours
psi	Pounds per Square Inch
R	Rankine
RCP	Reciprocal Calculation Procedure
SDS	Safety Data Sheet
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
tne	Tonne
TWA	Time Weighted Average (TWA/ES - Time Weighted Average or Exposure Standard)
Ug/24	Micrograms per 24 Hours
UN	United Nations
Wt	Weight

END OF SDS

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