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SAFETY DATA SHEET

* **IDENTIFICATION**

**Revision Date** 1st February 2020

**Product Name** TECH STAIN

**Recommended uses** Bleaching agent, purification of water, sanitizer, detergents, chemical manufacture, councils, textiles and waste treatment.

**Suppliers information**

 **Organisation** Windsor Cleaning Solutions

 **Location** Factory 3 Mayfair Park Industrial Estate

 Bendigo Victoria 3550

 **Telephone** Mob: 0417 157 044

 **Ask For** Bill Lesuey

 **Poisons Information Centre** Ph: 131126 Australia Wide

* **HAZARD IDENTIFICATION**

This material is hazardous according to health criteria of Safe Work Australia

**Signal Word**

Danger

**Pictogram**

 

**Hazard Classification**

Acute Toxicity – Oral –Category 4

Skin Corrosion/Irritation

Corrosive to metals – Category 1

**Hazard Statement**

H302 **Harmful if swallowed**

H314  **Causes severe skin burns and eye damage**

H290 **May be corrosive to metals**

AUH029 **Contact with acids liberates toxic gas**

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**Prevention Precautionary Statements**

P102 **Keep out of the reach of children.**

P103 **Read label before use.**

P264 **Wash hands and exposed skin thoroughly after handling.**

P270 **Do not eat, drink or smoke when using this product.**

P280 **Wear suitable protective clothing, gloves and eye/face protection.**

P260 **Do not breathe mists.**

P234 **Keep** **only** **in original container.**

**Response Precautionary Statements**

P101  **If medical advice is needed, have product container or label at hand.**

P301 + P312 **IF SWALLOWED:** **Call a POISON CENTER or doctor/physician if you feel unwell.**

P330 **Rinse mouth.**

P301 + P330 + P331 **IF SWALLOWED:** **Rinse mouth. Do NOT induce vomiting.**

P303 + P361 + P353 **IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.**

P363 **Wash contaminated clothing before reuse.**

P304 + P340 **IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.**

P310 **Immediately call a POISON CENTER or doctor/physician.**

P305 + P351 + P338 **IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.**

P390 **Absorb** **spillage to prevent materialdamage.**

**Storage Statement**

P406 **Store in corrosive resistant/... container with a resistant inner liner.**

**Disposal Precautionary Statement**

P501 **Dispose of contents/container in accordance with local, regional. National and international regulations.**

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* **COMPOSITION/INFORMATION ON INGREDIENTS**

**Identity of chemical ingredients CAS Number** **Proportions (%)**

Sodium Hypochlorite 7681-52-9 < 10-20%

Water

* **FIRST AID MEASURES**

**Description of necessary measures according to routes of exposure**.

**Swallowed** Immediately rinse mouth with water. Give water to drink. DO NOT induce vomiting. Seek immediate medical assistance.

**Eye** Immediately irrigate with copious quantities of water for at least 15 minutes holding eyelids open. Take care not to wash contaminated water into the non-affected eye. Seek IMMEDIATE medical attention.

**Skin** Immediately wash contaminated skin with lukewarm water for at least 30 minutes. Under running water, remove contaminated clothing. Completely decontaminate clothing before reuse. Seek immediate medical attention.

**Inhaled** Remove victim from exposure to fresh air. If not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Seek medical attention immediately.

**Symptoms caused by exposure**

Repeated or prolonged skin contact may cause chronic contact dermatitis.

**Medical attention** Treat symptomatically based on individual reactions of patient and judgement of doctor. Note: For advice in an emergency, contact a Poisons Information Centre (Australia 13-11-26 or New Zealand 0800-764-766).

* **FIRE FIGHTING MEASURES**

**Extinguishing Media** In case of fire, appropriate extinguishing media include water spray, fog or mist, foam, carbon dioxide, or dry chemical powder.

**Hazards from** Non-combustible liquid. Will not burn, or support combustion.

**Combustion Products** However, reaction with incompatible materials can generate sufficient heat to ignite nearby combustible materials. Incompatible with strong oxidising agents, strong acids, metals such as aluminium, tin and zinc, peroxides, reducing agents, metal salts, and sources of ignition.

**Special Protective** Fire fighters should wear a positive-pressure self contained breathing

**Precautions and** apparatus (SCBA) and protective fire fighting clothing (includes fire

**Equipment for Fire** fighting helmet, coat, trousers, boots and gloves). Clear fire area of all **Fighters** non-emergency personnel. Stay upwind, Keep out of low areas. Eliminate ignition sources.

**Flammability Conditions** Product is a non-flammable liquid.

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* **ACCIDENTAL RELEASE MEASURES**

**Personal precautions protective equipment and emergency procedures**

Personnel involved in the clean up should wear full protective clothing.

Eliminate all sources of ignition. Evacuate all unnecessary personnel. Increase ventilation. Stop leak if safe to do so. Avoid walking through spilled product as it may be slippery..

**Enviromental Precautions**

DO NOT let product reach drains or waterways. If product does enter a waterway, advise the Enviromental Protection Authority or your local Waste Management

**Methods and materials for containment and clean up**

For small spills wipe up with absorbent cloth or paper towels. For large spills use absorbent soil, sand or other inert material. Collect material and transfer to suitable, labelled, dry, sealable chemical-waste containers and dispose of promptly.

* **HANDLING AND STORAGE**

**Precautions for** Ensure an eye bath and safety shower are available and ready for use.

**Safe Handling** Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling. Avoid contact with eyes, skin and clothing. When diluting the solution add material to water.

**Conditions for Safe** Store in a cool dry well ventilated area. Keep containers tightly closed

**Storage (Including** when not in use. Inspect regularly for deficiencies such as damage or

**Any Incompatibles)**  leaks. Protect against physical damage. Store away from incompatible materials incuding strong oxidizers, strong acids and peroxides.

**Container Type** Use plastic containers.

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* **EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure standards**

 No information available on national exposure limits for this product.

**Biological monitoring**

No information available on biological limit values for this product.

**Engineering Controls** Use in well ventilated area.

**Personal Protection** EYES: Protective goggles to prevent eye contamination.

 HANDS: Protective PVC gloves.

 CLOTHING: Chemical resistant coveralls and safety footwear.

* **PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance** Pale Yellow/Green/Pale Straw or Clear Yellow Liquid

**Odour** Distinctive chlorine odour

**Odour threshold** Not available

**pH** 12-13 in 1% solution

**Melting point/freezing point** - 25 deg C

**Boiling point and range** 17.5 mmHg (20degC)

**Flash point** Not applicable

**Evaporation rate** Not applicable

**Flammability** Not applicable

**Upper/lower flammability or explosive limits** Not applicable

**Vapour pressure** 17.5 mmHg (20degC)

**Vapour density** Not applicable

**Relative density** Not available

**Solubility** Fully soluble

**Partition coefficient: n-octanol/water**  Not applicable

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**Auto ignition temperature** Not applicable

**Decomposition temperature** Not applicable

**Viscosity** Not available

**Specific heat value** Not applicable

**Particle Size** Not applicable

**Volatile Organic** Not applicable

**compounds content (VOC)**

**Percent Volatile** 80 – 95%

**Saturated Vapour** Not applicable

**Concentration**

**Release of Invisible** Nil

**Flammable Vapours**

**and Gases**

**Additional** Nil

**parameters**

* **STABILITY AND REACTIVITY**

**Reactivity** Contact with acids liberates toxic gas.

**Chemical Stability** Product is stable under normal conditions of use, storage and temperature.

**Conditions to Avoid** Avoid direct sunlight and store in a dry area.

**Incompatible Materials** Incompatible with strong acids, strong oxidising agents and peroxides.

**Hazardous**  Nil

**Decomposition**

**Products**

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* **TOXICOLOGICAL INFORMATION**

**Information on routes of exposure**

**Symptoms related to exposure**

**Swallowed** Because of its high alkalinity in the undiluted state it is corrosive to the gastro intestinal tract if swallowed. But this is considered unlikely to occur in commercial environments.

**Eye** Exposure to concentrate may lead to irritation characterized by redness, watering and itching. May cause corneal burns. Avoid contact with eyes.

**Skin** Irritation to the skin on contact. Repeated or prolonged skin contact may lead to occupational dermatitis.

**Inhaled** Risk is low if product is used as directed but breathing of mist or vapour should be avoided.

**Numerical measures of toxicity**

Oral LD50 Rat : 8910mg/Kg

 Oral LD50 Mouse : 5800mg/Kg

 Oral TDLo Woman : 1000mg/Kg

 Intravenous TDLo Man : 45mg/Kg

**Immediate, delayed and chronic health effects from exposure**

Health Hazard Summary : Highly Corrosive. This product has the potential to cause serious adverse health effects. Use safe work practices to avoid eye or skin contact and inhalation. Over exposure to chlorine vapour may result in lung tissue damage. Do NOT mix with

other chemicals unless advised and specific instructions provided, as toxic and irritating gases may be evolved. Upon dilution the adverse health effects associated with this product are reduced.

**Exposure levels** Not available for this product.

**Interactive effects** Not available for this product.

**Data limitations** Not available for this product.

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* **ECOLOGICAL INFORMATION**

**Ecotoxicity** No data available.

**Persistence and** No data available.

**Degradability** Completely soluble in water.

**Bioaccumulative potential** No data available.

**Mobility in soil** No data available.

**Other adverse effects**

* **DISPOSAL CONSIDERATIONS**

**Safe handling and disposal methods** Dispose of in accordance with all local, state and federal regulations.

**Disposal of any contaminated packaging** Dispose of in accordance with all local, state and federal regulations.

**Enviromental regulations** Contact a specialist disposal company or the local waste regulator foradvice. This should be done in accordance with The Hazardous WasteAct.

* **TRANSPORT INFORMATION**

**LAND TRANSPORT**

**UN Number** 1791

**Shipping Name** Hypochlorite Solution

**Transport hazard class** 8

**Packing group** III

**Enviromental hazards** Not applicable

**Special precautions during transport** Not applicable

**Hazchem Code** 2X

* **REGULATORY INFORMATION**

**Safety, health and environmental regulations** No data available

**Poisons Schedule** 5

* **OTHER INFORMATION**

**Date of preparation or review** 1st February 2020