

**Safety Data Sheet (SDS)**

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 04/15/2018

Reviewed on 04/15/2018

**1 Identification**

- **Product Identifier**
- **Trade Name: WASH MATERIAL CLEANER**
- **Product Number: K-WM4**
- **Relevant identified uses of the substance or mixture and uses advised against:**
- **Product Description: Mild Alkaline Cleaner**
- **Application of the substance / the mixture: Automotive material Surface Cleaner**
- **Details of the Supplier of the Safety Data Sheet:**
- **Manufacturer/Supplier:**  
Kaady Chemical Corp.  
2118 Adams St.  
San Leandro, CA 94577  
+1-510-562-9785  
www.kaadychemical.com
- **Emergency telephone number: +1-800-424-9300**

**2 Hazard(s) Identification**

- **Classification of the substance or mixture:**



GHS05 Corrosion

Eye Dam. 1      H318 Causes serious eye damage.



GHS09 Environment

Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.



GHS07

Acute Tox. 4      H302 Harmful if swallowed.  
Skin Irrit. 2      H315 Causes skin irritation.

- **Label elements:**

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms:**



GHS05    GHS07    GHS09

- **Signal word: Danger**

- **Hazard-determining components of labeling:**

sodium hypochlorite, solution

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**· Hazard statements:**

- H302 Harmful if swallowed.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H410 Very toxic to aquatic life with long lasting effects.

**· Precautionary statements:**

- P260 Do not breathe dust.
- P262 Do not get in eyes, on skin, or on clothing.
- P264 Wash thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P271 Use only outdoors or in a well-ventilated area.
- P273 Avoid release to the environment.
- P280 Wear protective gloves / eye protection / face protection.
- P301+P310 If swallowed: Immediately call a poison center/doctor.
- P321 Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).
- P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting.
- P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304+P340 IF INHALED: Remove person to fresh air and keep 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.
- P332+P313 If skin irritation occurs: Get medical advice.
- P363 Wash contaminated clothing before reuse.
- P391 Collect spillage.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**· Unknown acute toxicity:**

This value refers to knowledge of known, established toxicological or ecotoxicological values.  
0 % of the mixture consists of component(s) of unknown toxicity.

**· Classification system:** NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme

**· NFPA ratings (scale 0 - 4)**



Health = 1  
Fire = 0  
Reactivity = 1

**· HMIS-ratings (scale 0 - 4)**

HEALTH	1	Health = 1
FIRE	0	Fire = 0
REACTIVITY	1	Physical Hazard = 1

**· Hazard(s) not otherwise classified (HNOC):** None known

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**3 Composition/Information on Ingredients**

· **Non-hazardous components:**

Non-Hazardous Components	96-99%
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· **Chemical characterization: Mixtures**

· **Description:** Mixture of substances listed below with non-hazardous additions.

· **Dangerous Components:**

7681-52-9	sodium hypochlorite, solution	☠ Skin Corr. 1B, H314;	☠ Aquatic Acute 1, H400	1-4%
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· **Additional information:**

The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of §1910.1200 of 29 CFR 1910.1200 Trade Secrets.

**4 First-Aid Measures**

· **Description of first aid measures:**

· **After inhalation:**

Give oxygen or artificial respiration if needed. If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.

· **After skin contact:**

Take off contaminated clothing and shoes immediately. Promptly flush skin with water for at least 15 minutes to ensure all chemical is removed. If reddening develops and/or persists, obtain medical attention.

· **After eye contact:**

Flush with large amounts of water for at least 15 minutes, lifting upper and lower lids occasionally. Remove contact lenses if present and easy to do so. Get immediate medical attention. Continue rinsing eyes during transport to hospital.

· **After swallowing:**

Rinse mouth with water. Give 3-4 glasses of water or milk to dilute stomach contents. Do NOT induce vomiting unless instructed to do so. If vomiting occurs, give more water or milk. Never give anything by mouth to an unconscious person. Get immediate medical advice.

· **Information for doctor:**

· **Most important symptoms and effects, both acute and delayed:**

No further relevant information available.

· **Indication of any immediate medical attention and special treatment needed:**

No further relevant information available.

**5 Fire-Fighting Measures**

· **Extinguishing MATERIAL:**

· **Suitable extinguishing agents:**

CO2, sand, dry chemical, water mist or alcohol resistant foam.  
Use fire fighting measures that suit the environment.

· **For safety reasons unsuitable extinguishing agents:** No further relevant information.

· **Special hazards arising from the substance or mixture:**

Chlorine gas  
Hydrogen Chloride gas  
Nitrogen Oxides (NOx)

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Sodium Oxides

· **Advice for firefighters:**

· **Protective equipment:**

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

**6 Accidental Release Measures**

· **Personal precautions, protective equipment and emergency procedures:**

Use personal protective equipment.

Keep from contacting skin or eyes.

Avoid breathing vapors, mist or gas.

Ensure adequate ventilation.

Evacuate personnel to safe areas.

· **Environmental precautions:** Do not allow to enter sewers/surface or ground water.

· **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).

Dispose of the collected material according to regulations.

· **Reference to other sections:**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

· **Protective Action Criteria for Chemicals**

· **PAC-1:**

7681-52-9 sodium hypochlorite, solution

2 mg/m<sup>3</sup>

· **PAC-2:**

7681-52-9 sodium hypochlorite, solution

290 mg/m<sup>3</sup>

· **PAC-3:**

7681-52-9 sodium hypochlorite, solution

1,800 mg/m<sup>3</sup>

**7 Handling and Storage**

· **Handling**

· **Precautions for safe handling:**

Avoid breathing vapors or mist.

Avoid contact with eyes, skin, or clothing.

Use approved, original containers only.

Keep containers closed when not in use.

Do not expose containers to open flame, excessive heat, or direct sunlight.

Do not puncture or drop containers.

Handle with care and avoid spillage on the floor.

Keep material out of reach of children.

Keep material away from incompatible materials.

Wash thoroughly after handling.

Ensure adequate ventilation.

· **Information about protection against explosions and fires:** No special measures required.

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- **Conditions for safe storage, including any incompatibilities:**
- **Storage**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:**  
 Keep away from heat, sparks and flames.  
 Do not store in direct sunlight.  
 Store away from strong acids, strong oxidizing agents, strong reducing agents, organic materials, reactive metals (Zinc & Aluminum) and their alloys (Brass), Copper and its alloys, Alkali metals (Lithium, Sodium, Potassium, etc.), Tin & Tin oxides, Lead, Iron, Nickel, Cobalt, Phosphorous & Phosphorous Pentoxide, Nitro compounds (Nitromethane, etc.), Methanol, Amines, Ammonia, Azides and Anhydrides.  
 Reaction with acids produces toxic Chlorine gas.
- **Further information about storage conditions:** None.
- **Specific end use(s):** No further relevant information available.

**8 Exposure Controls/Personal Protection**

- **Additional information about design of technical systems:** No further data; see section 7.
- **Control parameters:**

· **Components with occupational exposure limits:**

**7681-52-9 sodium hypochlorite, solution**

WEEL Short-term value: 2 mg/m<sup>3</sup>

- **Additional information:** The lists that were valid during the creation of this SDS were used as basis.
- **Exposure controls:**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
 The usual precautionary measures for handling chemicals should be followed.  
 Wash hands before breaks and at the end of work.
- **Breathing equipment:**  
 Have self-contained breathing apparatus, positive pressure, MSHA/NIOSH (approved or equivalent) available in case of spillage or equipment failure.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Select glove material based on penetration times, rates of diffusion and degradation.

- **Material of gloves:**  
 The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.  
 Neoprene, Nitrile or Buna Rubber.

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**· Penetration time of glove material:**

The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.

**· Eye protection:**


Tightly sealed goggles

**· Limitation and supervision of exposure into the environment:**

Keep away from drains, surface and ground waters.

Avoid release into the environment.

**9 Physical and Chemical Properties**
**· Information on basic physical and chemical properties**
**· General Information**
**· Appearance:**

Form:	Liquid
Color:	Pale yellow
Odour:	Lemon
Odor threshold:	Not determined.

· pH-value @ 20 °C (68 °F): 11.2-11.4

**· Change in condition**

Melting point/Melting range:	<0 °C (<32 °F)
Boiling point/Boiling range:	>100 °C (>212 °F)

· Flash point: None

· Flammability (solid, gaseous): Not applicable.

· Ignition temperature: Not applicable

· Decomposition temperature: 110 °C (230 °F)

· Auto igniting: Product is not self-igniting.

· Danger of explosion: Product does not present an explosion hazard.

**· Explosion limits:**

Lower:	Not determined.
Upper:	Not determined.

· Vapor pressure: Not determined.

· Density @ 20 °C (68 °F): 1.031 g/cm<sup>3</sup> (8.604 lbs/gal)

· Relative density: Not determined.

· Vapor density: Not determined.

· Evaporation rate: Not determined.

**· Solubility in / Miscibility with:**

Water: Fully Soluble

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- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
  - Dynamic:** Not determined.
  - Kinematic:** Not determined.
- **Solvent content:**
- **Solids content:** 0.0 %
- **Other information:** No further relevant information available.

**10 Stability and Reactivity**

- **Reactivity:** No further relevant information available.
- **Chemical stability:** Stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** Incompatibilities, flames, ignition sources.
- **Incompatible materials:**  
Strong acids, strong oxidizing agents, strong reducing agents, organic materials, reactive metals (Zinc & Aluminum) and their alloys (Brass), Copper and its alloys, Alkali metals (Lithium, Sodium, Potassium, etc.), Tin & Tin oxides, Lead, Iron, Nickel, Cobalt, Phosphorous & Phosphorous Pentoxide, Nitro compounds (Nitromethane, etc.), Methanol, Amines, Ammonia, Azides and Anhydrides.  
Reaction with acids produces toxic Chlorine gas.
- **Hazardous decomposition products:**  
Chlorine gas, Hydrogen Chloride gas, Nitrogen Oxides (NOx) and Sodium Oxides.

**11 Toxicological Information**

- **Information on toxicological effects:**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**  
**7681-52-9 sodium hypochlorite, solution**  
Oral LD50 5,800 mg/kg (Mouse)
- **Primary irritant effect:**
- **On the skin:** Strong caustic effect on skin and mucous membranes.
- **On the eye:**  
Strong irritant with the danger of severe eye injury.  
Corrosive effect.  
Causes serious eye irritation.
- **Additional toxicological information:** Harmful
- **Carcinogenic categories:**
- **IARC (International Agency for Research on Cancer):**  
None of the ingredients are listed.

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**· NTP (National Toxicology Program):**

None of the ingredients are listed.

**· OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients are listed.

**12 Ecological Information**

**· Toxicity:**

**· Aquatic toxicity:**

Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.

**· Persistence and degradability:** No further relevant information available.

**· Behavior in environmental systems:**

**· Bioaccumulative potential:** No further relevant information available.

**· Mobility in soil:** No further relevant information available.

**· Additional ecological information:**

**· General notes:**

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

**· Results of PBT and vPvB assessment:**

**· PBT:** Not applicable.

**· vPvB:** Not applicable.

**· Other adverse effects:** No further relevant information available.

**13 Disposal Considerations**

**· Waste treatment methods:**

**· Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Observe all federal, state and local environmental regulations when disposing of this material.

**· Uncleaned packagings**

**· Recommendation:** Disposal must be made according to official regulations.

**14 Transport Information**

**· UN-Number:**

**· DOT, ADR/ADN, ADN, IMDG, IATA** Non-Regulated Material

**· UN proper shipping name:**

**· DOT, ADR/ADN, ADN, IMDG, IATA** Non-Regulated Material

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- **Transport hazard class(es):**
- **DOT, ADR/ADN, ADN, IMDG, IATA**
- **Class:** *Non-Regulated Material*
- **Packing group:**
- **DOT, ADR/ADN, IMDG, IATA** *Non-Regulated Material*
- **Environmental hazards:** *Not applicable.*
- **Special precautions for user:** *Not applicable.*
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** *Not applicable.*
- **UN "Model Regulation":** *Non-Regulated Material*

**15 Regulatory Information**

- **Safety, health and environmental regulations/legislation specific for the substance or mixture:**
- **SARA (Superfund Amendments and Reauthorization):**

- **Section 355 (extremely hazardous substances):**

*None of the ingredients are listed.*

- **Section 313 (Specific toxic chemical listings):**

*None of the ingredients are listed.*

- **TSCA (Toxic Substances Control Act):**

*All ingredients are listed or exempt from listing.*

- **California Proposition 65:**

- **Chemicals known to cause cancer:**

*None of the ingredients are listed.*

- **Chemicals known to cause reproductive toxicity for females:**

*None of the ingredients are listed.*

- **Chemicals known to cause reproductive toxicity for males:**

*None of the ingredients are listed.*

- **Chemicals known to cause developmental toxicity:**

*None of the ingredients are listed.*

- **New Jersey Right-to-Know List:**

7681-52-9 sodium hypochlorite, solution

- **New Jersey Special Hazardous Substance List:**

7681-52-9 sodium hypochlorite, solution

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- **Pennsylvania Right-to-Know List:**

7681-52-9 sodium hypochlorite, solution

- **Pennsylvania Special Hazardous Substance List:**

7681-52-9 sodium hypochlorite, solution

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**Trade Name: WASH MATERIAL CLEANER**

· **Carcinogenic categories:**

· **EPA (Environmental Protection Agency):**

None of the ingredients are listed.

· **TLV (Threshold Limit Value established by ACGIH):**

None of the ingredients are listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health):**

None of the ingredients are listed.

· **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms:**



GHS05 GHS07 GHS09

· **Signal word: Danger**

· **Hazard-determining components of labeling:**

sodium hypochlorite, solution

· **Hazard statements:**

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H410 Very toxic to aquatic life with long lasting effects.

· **Precautionary statements:**

P260 Do not breathe dust.

P262 Do not get in eyes, on skin, or on clothing.

P264 Wash thoroughly after handling.

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

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

P280 Wear protective gloves / eye protection / face protection.

P301+P310 If swallowed: Immediately call a poison center/doctor.

P321 Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).

P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340 IF INHALED: Remove person to fresh air and keep 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.

P332+P313 If skin irritation occurs: Get medical advice.

P363 Wash contaminated clothing before reuse.

P391 Collect spillage.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

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P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **National regulations:**

None of the ingredients are listed.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**16 Other Information**

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

· **Date of preparation / last revision:** 04/15/2018 / 19

· **Abbreviations and acronyms:**

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road

ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety and Health

OSHA: Occupational Safety & Health Administration

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Acute Tox. 4: Acute toxicity – Category 4

Skin Corr. 1B: Skin corrosion/irritation – Category 1B

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

· **\* Data compared to the previous version altered.**

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