

# ATOMIC NINJA

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixture  
Product name : ATOMIC NINJA  
Product code : P127

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : KITCHEN HOOD CLEANER  
Use of the substance/mixture : Cleansing product

#### 1.3. Details of the supplier of the safety data sheet

CleanPak Products LLC.  
221 Hobbs Street Suite 108  
Tampa, FL 33619  
T 813-740-8611 - F 813-740-8218  
[admin@cleanpakproducts.com](mailto:admin@cleanpakproducts.com) - [www.cleanpakproducts.com](http://www.cleanpakproducts.com)

#### 1.4. Emergency telephone number

Emergency number : 1-800-535-5053  
InfoTrac

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### GHS-US classification

Flam. Liq. 4 H227  
Acute Tox. 4 (Oral) H302  
Skin Corr. 1A H314  
Aquatic Acute 3 H402

Full text of H-phrases: see section 16

#### 2.2. Label elements

##### GHS-US labelling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) : Danger

Hazard statements (GHS-US) : H302 - Harmful if swallowed  
H402 - Harmful to aquatic life

Precautionary statements (GHS-US) : P260 - Do not breathe mist, spray  
P264 - Wash hands, forearms and face thoroughly after handling  
P270 - Do not eat, drink or smoke when using this product  
P280 - Wear gloves and protective eyewear  
P301+P312 - If swallowed: Call a POISON CENTER if you feel unwell  
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  
P310 - Immediately call a physician  
P330 - Rinse mouth  
P363 - Wash contaminated clothing before reuse  
P403+P235 - Store in a well-ventilated place. Keep cool  
P405 - Store locked up  
P501 - Dispose of contents/container in accordance with local/regional/national/international regulations

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### 2.3. Other hazards

No additional information available

### 2.4. Unknown acute toxicity (GHS-US)

Not applicable

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

Name	Product identifier	%	GHS-US classification
potassium hydroxide	(CAS No) 1310-58-3	40-<50	Acute Tox. 3 (Oral), H301 Skin Corr. 1A, H314 Aquatic Acute 3, H402

Full text of H-phrases: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

- First-aid measures after inhalation : Move the affected person away from the contaminated area and into the fresh air.
- First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
- First-aid measures after eye contact : Rinse immediately with plenty of water. Consult an ophtalmologist if irritation persists.
- First-aid measures after ingestion : Rinse mouth with water. Call a physician immediately.

### 4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.
- Symptoms/injuries after inhalation : Irritation of the respiratory tract.
- Symptoms/injuries after skin contact : May cause moderate irritation.
- Symptoms/injuries after eye contact : Inflammation/damage of the eye tissue.
- Symptoms/injuries after ingestion : Gastrointestinal complaints.

### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

- Suitable extinguishing media : EXTINGUISHING MEDIA FOR SURROUNDING FIRES:
- Unsuitable extinguishing media : No unsuitable extinguishing media known.

### 5.2. Special hazards arising from the substance or mixture

No additional information available

### 5.3. Advice for firefighters

- Firefighting instructions : Fight fire with normal precautions from a reasonable distance.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

- Protective equipment : Gloves. Safety glasses.

#### 6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.

### 6.2. Environmental precautions

No additional information available

### 6.3. Methods and material for containment and cleaning up

- For containment : Collect spillage.
- Methods for cleaning up : Wash away neutralized product with plentiful water.

### 6.4. Reference to other sections

No additional information available

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

#### 7.2. Conditions for safe storage, including any incompatibilities

Maximum storage period : > 2 year

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

ATOMIC NINJA		
ACGIH	Not applicable	
OSHA	Not applicable	
potassium hydroxide, 45%=<conc<50%, aqueous solutions (1310-58-3)		
ACGIH	ACGIH Ceiling (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
OSHA	Not applicable	

#### 8.2. Exposure controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Personal protective equipment : Safety glasses. Gloves.



### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state : Liquid

Colour : Colourless to light yellow

Odour : No data available

Odour threshold : No data available

pH : 13.0

Relative evaporation rate (butylacetate=1) : No data available

Melting point : No data available

Freezing point : No data available

Boiling point : No data available

Flash point : No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Flammability (solid, gas) : No data available

Vapour pressure : No data available

Relative vapour density at 20 °C : No data available

Specific gravity : 1.065

Solubility : Water: Solubility in water of component(s) of the mixture :  
• potassium hydroxide, 45%=<conc<50%, aqueous solutions:

Log Pow : No data available

Log Kow : No data available

Viscosity, kinematic : No data available

Viscosity, dynamic : No data available

Explosive properties : No data available

Oxidising properties : No data available

Explosive limits : No data available

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### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

No additional information available

### 10.5. Incompatible materials

Acids. May be corrosive to metals.

### 10.6. Hazardous decomposition products

None known.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Oral: Harmful if swallowed.

ATOMIC NINJA	
ATE US (oral)	1064.474 mg/kg bodyweight
potassium hydroxide, 45%=<conc<50%, aqueous solutions (1310-58-3)	
LD50 oral rat	273 mg/kg (Rat)
ATE US (oral)	273.000 mg/kg bodyweight
Skin corrosion/irritation	: Causes severe skin burns and eye damage.
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

Symptoms/injuries after inhalation : Irritation of the respiratory tract.

Symptoms/injuries after skin contact : May cause moderate irritation.

Symptoms/injuries after eye contact : Inflammation/damage of the eye tissue.

Symptoms/injuries after ingestion : Gastrointestinal complaints.

## SECTION 12: Ecological information

### 12.1. Toxicity

potassium hydroxide, 45%=<conc<50%, aqueous solutions (1310-58-3)	
LC50 fishes 1	28.6 mg/l (24 h; Pisces; Pure substance)
LC50 other aquatic organisms 1	100 - 1000 mg/l (96 h)
LC50 fish 2	80 mg/l (96 h; Gambusia affinis; Pure substance)
Threshold limit other aquatic organisms 1	100 - 1000,96 h

### 12.2. Persistence and degradability

potassium hydroxide, 45%=<conc<50%, aqueous solutions (1310-58-3)	
Persistence and degradability	Biodegradability: not applicable. No (test)data on mobility of the components available.

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Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

### 12.3. Bioaccumulative potential

#### potassium hydroxide, 45%=<conc<50%, aqueous solutions (1310-58-3)

Bioaccumulative potential : Not bioaccumulative.

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Effect on ozone layer :

Effect on the global warming : No known ecological damage caused by this product.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

No additional information available

## SECTION 14: Transport information

In accordance with DOT

Transport document description : UN1814 Potassium hydroxide, solution, 8, II  
UN-No.(DOT) : UN1814  
Proper Shipping Name (DOT) : Potassium hydroxide, solution  
Department of Transportation (DOT) Hazard Classes : 8 - Class 8 - Corrosive material 49 CFR 173.136



Hazard labels (DOT) : 8 - Corrosive



Packing group (DOT) : II

DOT Special Provisions (49 CFR 172.102) : IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672).

T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3)

TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling =  $97 / (1 + a (tr - tf))$  Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.

DOT Packaging Exceptions (49 CFR 173.xxx) : 154

DOT Packaging Non Bulk (49 CFR 173.xxx) : 203

DOT Packaging Bulk (49 CFR 173.xxx) : 241

DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 5 L

DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 60 L

DOT Vessel Stowage Location : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.

DOT Vessel Stowage Other : 52 - Stow "separated from" acids

### Additional information

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Other information : No supplementary information available.

### ADR

No additional information available

### Transport by sea

UN-No. (IMDG) : 1814  
Proper Shipping Name (IMDG) : POTASSIUM HYDROXIDE SOLUTION  
Class (IMDG) : 8 - Corrosive substances  
Packing group (IMDG) : II - substances presenting low danger

### Air transport

UN-No.(IATA) : 1814  
Proper Shipping Name (IATA) : POTASSIUM HYDROXIDE SOLUTION  
Class (IATA) : 8 - Corrosives  
Packing group (IATA) : II - Minor Danger

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

No additional information available

### 15.2. International regulations

#### CANADA

### EU-Regulations

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

#### Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Not classified

#### 15.2.2. National regulations

No additional information available

### 15.3. US State regulations

## SECTION 16: Other information

Full text of H-phrases:

Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 2	Hazardous to the aquatic environment — Acute Hazard, Category 2
Aquatic Acute 3	Hazardous to the aquatic environment — Acute Hazard, Category 3
Flam. Liq. 4	Flammable liquids, Category 4
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
H227	Combustible liquid
H301	Toxic if swallowed
H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H401	Toxic to aquatic life
H402	Harmful to aquatic life

NFPA health hazard : 3 – Exposure can cause serious or permanent injury even with prompt medical treatment following short exposure

NFPA fire hazard : 0 - Materials that will not burn.

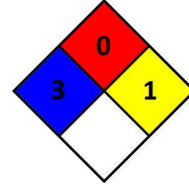
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NFPA reactivity : 1 - Normally stable, even under fire exposure conditions,  
and are not reactive with water.



### HMIS III Rating

Health : 3 Hazard  
Flammability : 0 Minimal Hazard  
Physical : 1 Hazard  
Personal Protection : B

SDS US (GHS HazCom 2012)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*