



MSDS REPO RT

Material Safety Data Sheet (MSDS)

29 CFR 1910.1200

No.: WICC150305M04101

Date: Mar. 09, 2015

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Applicant: ERGODYNE

Address: 1021 BANDANA BOULEVARD EAST SUITE 220 SAINT PAUL, MN, USA 55108

Sample Name: PVA CHAMOIS TOWEL

End Uses: WATER ABSORPTION, SWEAT ABSORPTION

Style / Item No.: /

Composition/Ingredient of Sample (as per client submission): See Section 3 Composition/information on ingredients on the MSDS report

Job Receiving Date: Mar. 05, 2015

MSDS Preparation Period: From Mar. 05, 2015 to Mar. 09, 2015

Service Requested:

Material Safety Data Sheet (MSDS) for the sample with submitted composition.

Summary:

As per request, the contents and formats of the MSDS are prepared in accordance with US Regulations Relating to Labor 29 CFR 1910.1200 (g). For details please refer to the attached Material Safety Data Sheet (MSDS).

MSDS Report

Signed for and on behalf of

Sigma Testing & Inspection Services (Ningbo) Co., Ltd.

Christian Wang

Approved Signatory



SIGMA TESTING & INSPECTION SERVICES CO., LTD.
No.39 Zhongxing Road, Jiangdong District, Ningbo, China.
FAX: 86-574-86642271 search@sigmajc.com <http://www.sigmajc.com>

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Section 1 - Identification of the substance/preparation and of the company/undertaking

Product identifier

Product Name: PVA CHAMOIS TOWEL

Article number: Not available

Registration number: Not available

Relevant identified uses of the substance or mixture and uses advised against: WATER ABSORPTION, SWEAT ABSORPTION

Details of the supplier of the material safety data sheet

Manufacturer/Supplier: XUZHOU QIANGLI DAILY NECESSITIES MANUFACTURE CO., LTD.

Full address: DONGCHENG INDUSTRIAL PARK PAOCHE TOWN, PIZHOU CITY, XUZHOU CITY, JIANGSU PROVINCE

Post code: 221300

Phone number: +86 18952271529

Fax: +86-516-86266688

Contact person: LiuJian

Emergency telephone number: +86 18914836336

Email: 1923005070@qq.com

Section 2 - Hazards identification

Fatalness grade: In accordance with Directive 29 CFR 1910.1200, the sample doesn't belong to dangerous goods.

ACUTE EFFECTS

Eye: Eye contact may result in slight irritation. Signs/symptoms may include redness, swelling, or tearing.

Skin: Irritation may not occur in case of skin contact.

Inhalation: Not a likely exposure route.

Ingestion: Not a likely exposure route.

CHRONIC EFFECTS

CARCINOGENICITY: Not listed as a carcinogen or potential carcinogen by the NTP, IARC, and OSHA.

Section 3 - Composition/information on ingredients

Pure Admixture

Chemical characterization: Mixtures

Description:

Mixture of the substances listed below with nonhazardous additions.

For the wording of listed risk phrases refer to section 16.





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Chemical Name	Composition	CAS No.
PVA	45-60%	9002-89-5
Water	40-55%	7732-18-5
CMIT	< 0.03%	26172-55-4
MIT	< 0.012%	2682-20-4

Section 4 - First aid measures

Description of first aid measures

After inhalation: Unlikely route as liquid is impregnated on a towel, minimizing exposure via this route. If overexposed move to fresh air. If symptoms develop seek medical attention.

After skin contact: None usually required. Wash with water and soap and rinse thoroughly. If irritation persists, call a physician.

After eye contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

After swallowing: Not a likely exposure route. If a large quantity of liquid is swallowed, do not induce vomiting, call a physician or poison control center immediately.

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.

Section 5 - Firefighting measures

Flammability class: May be combustible at high temperature.

FLAMMABLE LIMITS

Lower explosion limit: No data

Upper explosion limit: No data

Extinguishing media

Suitable extinguishing agents:

SMALL FIRE: Use DRY chemical powder.

LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special hazards arising from the substance or mixture: carbon oxides and other possible byproducts.

Advice for firefighters

Protective equipment: Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head. During a fire, irritating gases may be generated by thermal decomposition or combustion. Fight fire from the maximum distance. Evacuate area.

Section 6 - Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow evacuating through the sanitary system.



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Environmental precautions: Finish cleaning by spreading water on the contaminated surface and allow evacuating through the sanitary system.

Methods and material for containment and cleaning up: Transfer contaminated material into suitable container for proper disposal.

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.

Section 7 - Handling and storage

Handling

Precautions for safe handling:

Maintain good housekeeping.

Information about fire - and explosion protection: Keep ignition sources away - Do not smoke.

Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and receptacles: Store in a dry, well ventilated place away from direct sunlight.

Information about storage in one common storage facility: No smoking. Prevent unauthorized access. Keep away from incompatibles such as oxidizing agents, metals, acids, alkalis.

Further information about storage conditions: Keep out of reach of children. Store in a closed container away from incompatible materials.

Specific end use(s): Smoking, eating and drinking should be prohibited in areas of storage and use. Keep out of the reach of children and pet.

Section 8 - Exposure controls/personal protection

Additional information about design of technical facilities: see item 7.

Exposure Guidelines:

Additional information: The lists valid during the making were used as basis.

Exposure controls

Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure

Personal protective equipment

Eye protection: Not normally required. Wear goggles as good industrial practice.

Skin and hand protection: Not normally required.

Respiratory protection: Not normally required.

Other personal protective equipment: Lab coat.

Engineering controls: General ventilation normally adequate.

Administrative controls: Keep out of reach of children.

Other information: Remove contacted clothing and launder before use. Use normal hygiene practice. Wash hands thoroughly before eating, drinking, smoking and using restroom after contact.





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Section 9 - Physical and chemical properties

- Information on basic physical and chemical properties

General information

Appearance

Form: Solid

Color: Blue

Odour: Odourless

Odour threshold: Not available

- **pH-value:** Not available

- Change in condition

Melting point/Melting range: Not available

Boiling point/Boiling range: Not available

- **Freezing point:** Not available

- **Flash point:** Not available

- **Ignition temperature:** Not available

- **Decomposition temperature:** Not available

- **Self-igniting:** Not available

- Explosion limits

Lower: Not available

Upper: Not available

- **Oxidizing properties:** The substance does not belong to oxidizing substance.

- **Vapour pressure:** Not available

- **Density:** Not available

Relative density: Not available

Vapour density: Not available

Evaporation rate: Not available

- Solubility in / Miscibility with

Water: Insoluble

Segregation coefficient (n-octanol/water): Not available

Others: Not available

- Viscosity

Dynamic: Not available

Kinematic: Not available

Other information: No further relevant information available.





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Section 10 - Stability and reactivity

Reactivity: Data not available

Chemical stability: Stable.

Possibility of hazardous reactions: Not available.

Conditions to avoid: Do not mix with incompatible materials.

Incompatible materials: Oxidizing agents, metals, acids, alkalis.

Hazardous decomposition products: Not available.

Section 11 - Toxicological information

Toxicity to Animals: No data.

Toxic Effects on Humans:

Carcinogenicity: This product is not identified as a carcinogen or probable carcinogen by IARC, NTP or OSHA.

Reproductive Effects: Non-hazardous by WHMIS/OSHA criteria.

Neurotoxicity: Non-hazardous by WHMIS/OSHA criteria.

Mutagenicity: Non-hazardous by WHMIS/OSHA criteria.

Section 12 - Ecological information

Toxicity

Aquatic toxicity: Not available.

Persistence and degradability: No further relevant information available.

Bioaccumulative potential: No further relevant information available.

Behaviour in environmental systems: No further relevant information available

Bioaccumulative potential: No further relevant information available.

Mobility in soil: No further relevant information available.

Additional ecological information

General notes: The product itself and its products of degradation are not toxic.

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects: No further relevant information available.

Section 13 - Disposal considerations

Waste treatment methods

Recommendation: Put into dustbin, otherwise incineration, otherwise licensed landfill, or safe disposal as required by local, state, federal, international or country specific regulations.

Uncleaned packaging

Recommendation: Not available.





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Section 14 - Transport information

- UN-Number: -
- UN proper shipping name: Adhesives, -
- Transport hazard class (es): -
- Label: -
- Packing group: -
- Environmental hazards

Marine pollutant: No

- Special precautions for user: Not applicable

Danger code (Kemler): -

EMS Number: -

- Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.

- UN "Model Regulation": -

Transport Attention: To complete the time of shipment packing, loading should be conservative. Transportation process has to ensure that the container did not fall, no damage. Transportation should prevent exposure to rain. The carrier vehicle should be equipped with corresponding fire-fighting equipment. Keep away from fire, ignition source and high heat.

Section 15 - Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

ANSI Z400.1/Z129.1-2010

NFPA Rating (estimated):

Health: 1; Flammability: 1; Instability: 0; Special Hazard: None

European Labeling in Accordance with EC Directives: No data.

Section 16 - Other information

The contents and format of this MSDS/SDS are in accordance with 29 CFR 1910.1200.

DISCLAIMER OF LIABILITY

The information in this MSDS/SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in anyway connected with the handling, storage, use or disposal of the product. This MSDS/SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS/SDS information may not be applicable.

End of document



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