

MATERIAL SAFETY DATA SHEET (MSDS)

Issuing Date : Feb 16, 2014

I. Identification of the Material and the Company

- Product Name : Blink Eyepatch & Wink ME Eyepatch
- Recommendations and Restrictions on Use : Do Not USE Except the Purpose of Patches
- Manufacturer Information :
 - 1) Company Name : AG Co., Ltd.
 - 2) Address : 6F, Hwangeum Town, 191, Sajik-ro, Chungju-si, Chungcheongbuk-do
 - 3) Telephone : 82-31-741-8977

II. Risk and Hazard Identification

■ Classification of Risk and Hazard

- Skin Corrosion / Irritation : Category 1
- Skin Sensitization : Category 1
- Specific Target Organ Toxicity (Single Exposure) : Category 1

■ Warning Label Elements including Precautionary Statement(s) :

- Pictogram  

- Signal Word : Warning

- Risk-Hazard Statement(s) :

If swallowed, harmful.

Cause irritation according to User's Condition.

- Precautionary Statement(s)

[Prevention]

Get Instruction Manual before Use.

Do Not use before Read and Understand All Safety Precautions.

[Storage]

Keep Container Tightly closed in cool and dry place.

[Disposal]

Dispose of Container according to the Specified Indication on Relevant Laws.

■ Other Risk • Hazards Not included Classification of Risk • Hazards (NFTA)

Health	1
Fire	0
Reactivity	0

III. Composition/Information on Ingredients

Ingredient	CAS NO.	%wt
Water	7732-18-5	52.9%

Glycerin	56-81-5	22.6%
Water+Sorbitol	68425-17-2	10.0%
Sodium Polyacrylate	9003-04-7	4.0%
Carbomer	9003-01-4	3.5%
Kaolin	1332-58-7	3.0%
Octyldodecanol	5333-42-6	1.0%
Water+Polyacrylic Acid	9003-01-4	3.0%

IV. First Aid measures

- In case of Eye Contact : Rinse thoroughly with Plenty of Water and Soap for at least 15 minutes
If Redness, itching or a burning sensation develops, Consult a Physician.
- In case of Skin Contact : Unnecessary
- If Swallowed : Call to Fire Emergency Center or Consult a Physician Immediately. Do NOT induce vomiting and give drinks to an unconscious person. If Vomiting, Let down Head than Hips to prevent from an obstruction in the airway. If the person is unconscious, Turn the head to the Sideways. Consult a Physician.
- Other Medical Attention : Medical Personnel has to be aware of Materials, then take Action

V. Firefighting Measures

- Suitable Extinguishing Media : Particulate Powder Extinguishing Agent, Carbon, Water, Regular Foam if necessary, Alcohol-resistant Foam
- Special Hazards arising from the Chemical (Toxic substances generated during Combustion) :
Cyanides, Carbon Oxides, Nitrogen
- Protective Equipment for Firefighters and Precautions : If Possible and no Hazard(s), move Container from Fire Area. Be careful of Scattering Spilled Materials in a High-Pressure Stream of Water. Build a Dike for further Handling. Use Extinguishing Agent adapted to Surrounding Fire. Avoid Inhalation of the Substance or product of Combustion. Upwind and avoid Lowland.

Auto-Ignition Temperature (°C)	No Data
Flash Point(°C)	No Data
Lower Explosive Limits(%)	No Data
Upper Explosive Limits (%)	No Data
Fire Rating (OSHA)	No Data

VI. Accidental Release Measures

- Precautions and Protective Equipment required to protect Human Body : Unnecessary
- Precautions required to protect Environment : Keep out of Water Supplies and Sewers. Dispose with a suitable container for disposal of spilled material.

VII. Handling and Storage

- Safe Handling Method : Put the Container Tightly Closed.
- Safe Storage Method : Store and Handle according to Applicable Laws and Regulations.

VIII. Exposure Controls / Personal Protection

- Engineering Controls : Unnecessary
- Personal Protective Equipment : Unnecessary
 - 1) Respiratory Protection : Unnecessary
 - 2) Eye Protection : Don't use on supine position
 - 3) Hand Protection : Unnecessary
 - 4) Body protection : Unnecessary

IX. Physical and Chemical Properties

Physical State	Liquid
Appearance	Clear
Odour	Odorless
Molecular Weight	92
Molecular Formula	C3H8O3
Boiling Point (°C)	290°C
Melting Point (°C)	18°C
Freezing Point (°C)	No Data Available
Vapour Pressure	0.000106
Vapour Density (Air=1)	1.26
Specific Gravity (Water=1)	No Data Available
Water Solubility	Soluble
Hydrogen Ion Concentration(ph)	No Data Available
Volatile (%)	No Data Available
Odour Detection Threshold	No Data Available
Evaporation Rate	No Data Available
Octanol-Water Partition Coefficient	No Data Available

X. Stability and Reactivity

Chemical Stability and the possibility of Hazardous Reactions	
Conditions to Avoid	Heat, Flames, Sparks and other sources of Ignition
Materials to Avoid	Combustibility, Reducing Substance
Hazarous Decomposition Products	
Polimerization	No Data

XI. Toxicological Information

	Water	Glycerin	Water+Sorbitol
Irritaiton Data	No Data	No Data	No Data
Toxicity	No Data	No Data	No Data
Carcinogenicity	No Data	No Data	No Data

XII. Environmental Consequence

Ecotoxicity	Fish	No Data
	Crustaceans	No Data
	Birds	No Data
Persistence and Degradability	Persistence	No Data
	Degradability	No Data
Bioaccumulative Potential	Bioaccumulation	No Data
	Biodegradability	No Data
Mobility in Soil		No Data
Other Adverse Effects		No Data

XIII. Disposal Considerations

- Methods of Disposal : Remove the Contents from the Package. For Contents, disuse to designate waste place.
For the package, disuse and sort to Recycle.
- Disposal Considerations : Follow Precautions on Handling and Storage, and follow General Precautions as to Flammable Liquids

XIV. Transport Information

- UN Number : U.S. Department of Transportation (Regulation) : No Classification Assigned
- UN proper Shipping Name : Not Applicable
- Transport Hazard Class : Not Applicable
- Packaging Group : Not Applicable
- Environmental Hazards : No Data
- Special Precaution for User :
 - 1) Fire Emergency Response : refer to Firefighting Measures on V Section
 - 2) Spill Emergency Response : refer to Accidental Release Measures on VI Section.

XV. Regulatory Information

Occupation Safety and Health Acts	Not Applicable
Toxic Chemicals Control Act	Not Applicable
Safety Control of Dangerous Substances Act	Not Applicable
Wates Control Act	Not Applicable

XVI. Further Information

- The Source of Data : Korea Occupational Safety and Health Agency
- First Created Date : Feb 16, 2014
- Etc. : This Material Safety Data Sheet is absolutely prohibited to external purpose except use provided by AG Co., Ltd. Please conjugate only for the safety and health of workers when they use the product.