

**JIS Ver.**

Reference Number: AC-E-1132

Date of Issue: Oct. 24, 2017

Date of Revision: Feb. 17, 2020

SAFETY DATA SHEET (SDS)

This SDS has been prepared according to the regulations of JIS [Japan].

1. Identification

1.1. Product identifier

Product name: adpack White

Model Number: TK-610 (M)

Common name: Anti-corrosion paper (VCI paper)

1.2. Supplier's details

Company: ADCOAT CO., LTD.

Address: 1-2-20, Hikari-dai, Seika-cho, Soraku-gun, Kyoto, 619-0237, Japan

Phone number: +81 (0)774-66-1911

Fax number: +81 (0)774-94-9027

Emergency phone number: +81 (0)774-66-1911

1.3. Recommended use

Packaging material for iron and steel in long term (Corrosion control sheet)

JIS Z 0303:2009 [RP1-K1, RP2-K, RP3-K]

2. Hazards identification

2.1. Classification of the substance or mixture

Physical hazards: Not classified because of Article

Health hazards: Not classified because of Article

Environmental hazards: Not classified because of Article

2.2. GHS label elements

Pictograms: Not required

Signal word: Not required

Hazard statements: Not required

Precautionary statements: Not required

2.3. Other hazards

The substance doesn't meet the PBT and/or vPvB criteria.

3. Composition/information on ingredients

3.1. Substances, Mixture or Article

Article

3.2. Information on ingredient(s)

Ingredient(s)	Concentration/wt%	CAS No.	Reference Number in Gazetted List in Japan
Cellulose	70 - 80	9004-34-6	—
Water	1 - 10	7732-18-5	—
Dicyclohexylammonium nitrite	10 - 15	3129-91-7	—
Addition agents	1 - 5	—	—
Adhesive	1 - 5	—	—
Pigment ink [Red]	< 0.1	—	—

Detailed information on this VCI cannot be notified because of trade secrets.

4. First-aid measures

4.1. Description of first-aid measures

IF INHALED: Rinse mouth.

Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Get Medical advice/attention if you feel unwell.

IF ON SKIN: Gently wash with plenty of soap and water.

If skin irritation occurs: Get medical advice/attention.

IF IN EYES: Rinse cautiously with water for 15 - 20 minutes

Remove contact lenses if present and easy to do. Continue rinsing.

If eye irritation persists: get medical advice/attention.

IF SWALLOWED: Rinse mouth.

Get Medical advice/attention if you feel unwell.

4.2. Most important symptoms/effects, acute and delayed

No information

4.3. Indication of immediate medical attention and special treatment needed

No information

5. Firefighting measures

5.1. Extinguishing media

Water, chemical powder, foam fire-extinguisher or dry sand

5.2. Unsuitable extinguishing media

Carbon dioxide extinguishing media isn't suitable because it is this paper product.

5.3. Special hazards

Toxic and irritating vapours and/or gases may generated by combustion.

5.4. Advice for firefighters

Take action from windward.

Non-responsible personnel should escape from the fire site.

In case of fire occurs in surroundings, move product to a safe area if possible.

Fire fighters should wear appropriate personal protective equipment, e.g. face protection and safety apron.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Keep out except responsible personnel.

Wear suitable protective equipment (see "8. Exposure controls/personal protection") e.g., safety gloves, protective mask and/or protective glasses to prevent exposure.

6.2. Environmental precautions

Avoid release into the environment.

6.3. Methods and material for containment and cleaning up

Collect it in PE bags etc. using cleaning tools.

6.4. Secondary disaster prevention measures

Clean it periodically as there is a possibility of slipping when step on paper dust.

7. Handling and storage

7.1. Handling

Technical: Take engineering measures described in "8. Exposure controls/personal protection" and wear personal protective equipment.

Precautions: Avoid high temperature environment because VCI vaporize.

Wash hands thoroughly after handling.

Wash contaminated clothing before reuse.

Don't eat, drink or smoke when using and storing this product.

7.2. Storage

Technical: In the storage area, install adequate light and ventilation systems.

Store in the waterproof area and prevent fall.

Incompatible materials: Oxidizers (see "10. Stability and reactivity")

Storage condition: Avoid direct sunlight, heat, fire and oxidizers.

Storage in cool and well-ventilated area.

Don't keep the container open.

Packaging material: Use moisture-proof material.

8. Exposure controls/personal protection

8.1. Control parameters

ACGIH TLV-TWA (2013): 10 mg/m³ (Cellulose)

ACGIH TLV-STEL (2013): Not applicable

UK HSE WEL-TWA (2011): 10 mg/m³ (Cellulose; inhalable dust)

4 mg/m³ (Cellulose; respirable)

UK HSE WEL-STEL (2011): Not applicable

EU IOELV (2015): Not applicable

OSHA PEL: 15 mg/m³ (Cellulose; Total dust)

5 mg/m³ (Cellulose; Respirable fraction)

JSOH (2016): 2 mg/m³ (Class 3; Respirable dust)

8 mg/m³ (Class 3; Total dust)

8.2. Individual protection measures

Respiratory: Wear protective mask and/or respiratory protection as appropriate.

Hand: Wear safety gloves and work clothing as appropriate.

Eye: Wear safety glasses as appropriate.

Skin/Body: Wear protective clothing and/or apron as appropriate.

8.3. Appropriate engineering controls

If dust is generated, use ventilation systems.

8.4. Hygiene considerations

Wash hands thoroughly after handling.

Don't eat, drink or smoke when using and storing this product.

Wash contaminated clothing before reuse.

8.5. Environmental exposure controls

Avoid release into the environment.

9. Physical and chemical properties

Appearance: Cylinder shape paper roll or flat sheet

Color: Pale brown / White

Odour: Slight amine-like odour

Odour threshold:	No information
pH:	No information
Melting point/Freezing point:	No information
Boiling point/Initial boiling point/Boiling range:	No information
Flashpoint:	No information
Evaporation rate:	No information
Flammability (solid, gas):	No information
Upper/Lower explosive limits:	No information
Vapour pressure:	No information
Vapour density:	No information
Specific gravity:	No information
Solubility:	No information
n-Octanol/Water partition coefficient:	No information
Auto-ignition temperature:	No information
Decomposition temperature:	No information
Viscosity:	No information

10. Stability and reactivity

10.1. Stability

Stable under normal handling condition.

10.2. Reactivity

Stable under normal handling condition.

10.3. Conditions to avoid

If dust is generated, use ventilation systems.

Avoid direct sunlight, heat, fire and oxidizers, and storage in cool and well-ventilated area.

Don't keep the container open.

10.4. Incompatible materials

Oxidizers

10.5. Hazardous decomposition products

When burning, harmful gases (carbon monoxide, carbon dioxide, nitrogen oxides) may be generated.

11. Toxicological information

Acute toxicity:	Not applicable
Skin corrosion/irritation:	Not applicable
Serious eye corrosion/irritation:	Not applicable

Respiratory or skin sensitization:	Not applicable
Germ cell mutagenicity:	Not applicable
Carcinogenicity:	Not applicable
Reproductive toxicity:	Not applicable
STOT – single exposure:	Not applicable
STOT – repeated exposure:	Not applicable
Aspiration hazard:	Not applicable
Other information:	No relevant information available

12. Ecological information

Toxicity:	Not applicable
Persistence and degradability:	No relevant information available
Bioaccumulative potential:	No relevant information available
Mobility in soil:	No relevant information available
Results of PBT and vPvB:	The substance doesn't meet the PBT and vPvB criteria.
Other adverse effects:	No relevant information available

13. Disposal consideration

13.1. Disposal methods

Follow the relevant laws/ordinances of each country and region.

13.2. Used packaging material

Recycle after washing, or follow the relevant laws/ordinances of each country and region.
When disposing of packaging material, remove all remaining products.

14. Transport information

14.1. Regulation in Japan

Not applicable

14.2. UN number

Not applicable

14.3. UN proper shipping name

Not applicable

14.4. Transport hazard class(es)

Not applicable

14.5. Packing group

Not applicable

14.6. Environmental hazards

Not applicable

14.7. Special precautions for user

When transporting, avoid direct sunlight. Confirm no leakage to containers. When loading, prevent containers from falling, dropping off or damaging. Take preventive measures of collapse.

14.8. Transport in bulk according to Annex II of MARPOL 73/78 and IBC Code

Not applicable

15. Regulatory information**15.1. Japan**

Fire Services Act: designated flammable goods (shred and wastepaper)

Poisonous and Deleterious

Substances Control Law: Not applicable

Industrial Safety and Health Act: Not applicable

CSSL: Not applicable

PRTR: Not applicable

15.2. Europe

RoHS: Not applicable

BPR: Not applicable

SVHC: Not applicable

POPs: Not applicable

15.3. America

California Proposition 65: Not listed

16. Other information**16.1. Reference number**

AC-E-1132

16.2. Update

Date of issue: Oct. 24, 2017

Date of revision: Jul. 6, 2018

Wrote "JIS Ver." on 1 page

Added "Model Number" on the Section 1.1

Feb. 17, 2020

Reference data: Revised to “JIS Z 7252:2019”, “JIS Z 7253:2019” and “GHS (rev8)”

16.3. Reference

Hazards information of public institutions etc.

JIS Z 0303:2009

JIS Z 7252:2019

JIS Z 7253:2019

(EC) No 1907/2006

(EC) No 1272/2008

Hazard Communication Standard

GHS (rev8)

[*Disclaimer*]

This SDS has been prepared in accordance with JIS Z 7252:2019 and JIS Z 7253:2019. This SDS has been prepared based on our best knowledge regarding the product and safety/hazard information which can be obtained at the time of the preparation, however, care should be made because contents may not be sufficient. In case new findings become available, descriptions in this SDS can be updated as appropriate without prior notice. Please consider that precautions in this SDS only cover normal handling conditions and additional safety measures should be taken for special situation which are suitable for your own usage or purposes.