

**STAPLES**

that was easy.™

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MSDS #: MSDS (ITEM # 17547)

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## MATERIAL SAFETY DATA SHEET

*According to 1907/2006/EC, Article 31*

### SECTION 1: PRODUCT IDENTIFICATION

Product: Staples Dry Erase Marker, Green

MSDS CODE: [ITEM #17547]

Ink: Sunway, WB Upgrade Green

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### SECTION 2: HAZARDS IDENTIFICATION

Information concerning particular hazards for human and environment:

The product has to be labeled due to the calculation procedure of the "General Classification Guideline for preparations of the EU" in the latest valid version.



Xi Irritant



F Highly flammable

Risk phrases: R 10 Flammable.

R 11 High Flammable

R36 Irritating to eyes

R67 Vapours may cause drowsiness and dizziness.

Safety phrases: S2 Keep out of reach of children

S16 Keep away from the sources of ignition-No smoking

S24/25 Avoid contact skin and eyes

S26 In case of contact with eyes, rinse immediately with plenty of water and seek

medical advice.





- Classification system: The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization:

ethanol solution of organic pigments resins and additives.

Description: Mixture of substances listed below with nonhazardous additions.

Name	CAS#	Conc.	R-phrase
1-methoxy-2-propanol	107-98-2	10—25	 R11
ethanol	64-17-5	50—100	 R11
Isopropanol	67-63-0	2. 5—10	  R11-36-67

## SECTION 4: FIRST AID MEASURES

### FIRST AID MEASURES

#### General:

In all Cases of doubt or when symptoms persist, seek medical attention.  
Never give anything by mouth to an unconscious person.

#### Inhalation:

Remove for fresh air, keep patient warm and at rest, if breathing is Irregular or stopped, administer artificial respiration. Give nothing by Mouth .If unconscious place in recovery position and seek medical advice.

#### Eye contact:

Irrigate copiously with clean and fresh water for at least 10 minutes, holding the eyelids apart and seek medical advice.

#### Skin contact:

Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.

#### Ingestion:

If accidentally swallowed obtain immediate medical attention. Keep at rest.  
Do NOT induce vomiting.

## SECTION 5: FIRE FIGHTING MEASURES

#### Extinguishing media:

Recommended: alcohol resistant foam, CO2 powders, water spray.  
Not to be used water-jet.

Recommendations: Fire will produce dense black smoke. Expose to decomposition products may cause ache. Appropriate breathing apparatus may cause. Maybe cool closed containers exposed to fire not allow run-off from fire fighting or water courses.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

Exclude sources of ignition and ventilate the area. Avoid breathing vapors. Refer to protective measures listed in sections 7 and 8. Contain and collect soilage with non-combustible absorbent materials .e.g. sand earth, Vermiculite, diatomaceous earth and place in container for disposal. According to local regulations (see section13). Do not allow to enter

Drainage or water courses. Clean preferably with a detergent; avoid use of solvents. If the product contaminates lakes, rivers or sewages, inform appropriate Authorities in accordance with local regulations.

## SECTION 7: HANDLING AND STORAGE

Vapors are heavier than air and may spread along floors. Vapors may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapor in air and avoid capture concentration higher than the occupational exposure limits.

Additionally, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard.

Preparation may charge electro statically. Always use earth leads when transferring from one container to another. Operators should wear antistatic Footwear and clothing and floors should be of the conducting type.

Keep container tightly and closed. Isolate from sources of heat sparks and open flame. No sparking tools should be used.

Avoid skin and eye contact. Avoid inhalation of vapor and spray mist. Smoking, eating and drinking should be prohibited in application area.

For personal protection see section 8.

Never use pressure to empty: container is not a pressure vessel.

Always keep in containers of same material as the original one.

Comply with the health and safety at work laws.

Storage:

Although the storage and use of this product is not subject to specific

Statutory requirements, observation of the principles of the highly.

Flammable Liquids and Liquefied Petroleum Gases Regulations as appropriate

Will be seen as good industrial practice in meeting the general duties of the health and safety at Work Act.

Observe label precaution. To store between 5 ° C and 30° C in dry well ventilated places away from sources of heat and direct sunlight.

Keep away from sources of ignition. Keep away from oxidizing agents and from strongly alkaline and strongly acid materials.

No smoking. Prevent unauthorized access .Containers which are opened must be carefully resealed and kept upright to prevent from leakage.

## SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Engineering Measures:

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

If these are not sufficient to maintain concentrations of particulates and solvent vapor below the OEL, suitable respiratory protection must be worn.

### Respiratory Protection.

When workers are facing concentrations above the exposure limit they must

Use appropriate certified respirators.

### Hand protection:

For prolonged or repeated contact, use:

Barrier cream may help to protect the exposed areas of the skin. They should however not be applied once exposure has occurred.

### Eye protection:

Use safety eyewear designed to protect against of liquids.

### Skin protection:

Personnel should wear antistatic clothing's made of natural fiber or of high temperature resistant synthetic fiber .All parts of the body should be washed after contact.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### PHYSICAL AND CHEMICAL PROPERTIES:

Value unit method

Physical state: liquid

Flash point: >14 °C DIN 53213

Viscosity at 20 °C: 6.8—9.2 mpa.s

Specific gravity: 0.80—0.84 g/ml

Lower explosion limit: 1.7 vol%

Upper explosion limit: 19.8 vol%

Solubility in water: partial soluble

Melting point: <0 °C

Boiling point: 78 °C

Vapors pressure at 20°C: 43

PH: N.A.

Solid content: 11 %

Volatile: 89 %

## SECTION 10: STABILITY AND REACTIVITY

Be stable under the recommended storage and handling conditions. (See section 7)  
When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.  
Keep away from oxidizing agents, strongly alkaling and strongly acid materials in order to avoid exothermic reactions.

## SECTION 11: TOXICOLOGICAL INFORMATION

### Primary irritant effect

**On the skin:** Irritating effects possible.

**On the eye;** Irritating effects possible

**Sensitization:** Sensitization possible

### Additional toxicological information:

The product is not subject to classification according to the calculation method of the general EU classification guidelines for preparations as issued in the latest version.  
When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

**Toxicokinetics, metabolism and distribution:** N/A

**Acute effects(acute toxicity, irritation and corrosives:** N/A

**Repeated dose toxicity:** N/A

**CMR effects (carcinogenity, mutagenicity and toxicity for reproduction):** N/A

## SECTION 12: ECOLOGICAL INFORMATION

There are no data available on the preparation itself.  
The product should not be allowed enter drains or water courses.

## SECTION 13: DISPOSAL CONSIDERATIONS

Do not allow into drains or water courses.  
Empty containers are to be deposited according to the official rules.

## SECTION 14: TRANSPORT INFORMATION

Transport only in accordance with ADR for road, RID for rail, IMDG for Sea and ICAO/IATA for air transport.

ADR/RID class 3 item: 5b  
Transport document Name: Farbe  
IMDG class 3.2 UN Nr: 1263 page 3268  
MFAG: 310  
EMS Mr.: 3-05  
Marine Pollutant: N.A  
Proper shipping name: Paint Related Material  
ICAO/IATA class: 3 UN Nr: 1263  
Proper shipping name: Paint  
Packaging group: II

## SECTION 15: REGULATORY INFORMATION

The requirements of the Classification Packaging and Labeling of Dangerous Substances Regulations:

The product is labeled as follows:

F highly flammable

Contain:

R phrases:

N.A.

S phrases:

S16 Keep away from sources of ignition. No smoking.

S38 In case of insufficient ventilation .wear suitable respiratory equipment.

S51 Use only in well ventilated areas.

S23 Do not breathe vapor.

## SECTION 16: OTHER INFORMATION

*All information contained in this Material Safety Data Sheet is provided to the best of the knowledge. No warranty is made with respect to this information, expressed or implied, including warranties of merchantability or fitness for a particular purpose. Users are responsible for verifying the information under their own operating conditions to determine whether the products listed in the MSDS are suitable for their intended use. The information contained herein is confidential, intended solely for the user's internal use and may not be provided to any third parties. Users are responsible for compliance with all laws and regulations as may be required by their receipt of the information and use of the products provided with this MSDS.*

*This safety data sheet was prepared in accordance with Council Directive 67/548/EEC and its subsequent amendments, and Commission Directive 1999/45/EC.*