



that was easy.™

Staples Europe BV
HOOGOORDDREEF62
1101 BE AMSTERDAM
THE NETHERLANDS
MSDSUK@Staples.eu
Tel: 00800 5000 3000
Emergency Tel: 00800 5000 3000 (0900-1700)

MSDS #: MSDS (ITEM # 18963)

MATERIAL SAFETY DATA SHEET

According to 1907/2006/EC

SECTION 1: PRODUCT IDENTIFICATION

Product: Staples Dry Erase Marker 4Assorted- Red

MSDS CODE: [ITEM #18963]

Ink: Dokumental, WB7240

DATE ISSUED: 2011-4-21

SECTION 2: HAZARDS IDENTIFICATION

- Hazard description:



F Flammable

· **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.

R 11 Highly flammable.

· **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**

Mixture of the following substances, containing non-hazardous substances and coloring agents.

· **Description:**

All ingredients as listed below are pre-registered according to 1907/2006/EC. For pre-registration numbers refer to the list attached to this MSDS.

· **Dangerous components:**

Name	CAS#	Conc.	R-phrase
Ethanol	64-17-5	50-100%	 F; R 11
Propan-2-ol	67-63-0	2.5%~10%	 Xi  F; R 11-36
1-Methoxy-2-propanol	107-98-2	10-25%	 F; R 10

· **Additional information:** For the wording of the listed risk phrases refer to section 16.

SECTION 4: FIRST AID MEASURES

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.

SECTION 5: FIRE FIGHTING MEASURES

- **Suitable extinguishing agents:** CO₂, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:**
Water
Water with full jet
- **Protective equipment:** No special measures required.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:**
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.
Do not flush with water or aqueous cleansing agents

SECTION 7: HANDLING AND STORAGE

- **Handling:**
- **Information for safe handling:**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**

Keep container tightly sealed.
Store in cool, dry conditions in well sealed receptacles.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
 - **General protective and hygienic measures:**
Wash hands before breaks and at the end of work.
Avoid contact with the eyes.
 - **Respiratory protection:**
Not required.
 - **Protection of hands:**
Protective gloves
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation



· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Tightly sealed goggles

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

· **General Information**

Form: Fluid

Color: According to product specification

Odor: Characteristic

Important information on protection of health and environment and on safety:

Not applicable

· **Change in condition**

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: 78°C

· **Flash point:** 13°C

· **Ignition temperature:** 287°C

· **Self-igniting:** Product is not self-igniting.

· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures is possible.

· **Explosion limits:**

Lower: 1.7 Vol %

Upper: 15.0 Vol %

· **Vapor pressure at 20°C:** 59 hPa

· **Density at 20°C:** 0.86 g/cm³

- **Solubility in / Miscibility with water:** Fully miscible.
- **Viscosity: Dynamic at 20°C:** 8 mPas
- **Solvent content: Organic solvents:** 92.0 %
- **Solids content:** 8.0 %

SECTION 10: STABILITY AND REACTIVITY

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous decomposition products:** No dangerous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION

- **Acute toxicity:**
- **Primary irritant effect:**
- **On the skin:** No irritant effect.
- **On the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.

SECTION 12: ECOLOGICAL INFORMATION

- **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: DISPOSAL CONSIDERATIONS

- **Product:**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

SECTION 14: TRANSPORT INFORMATION

- Land transport ADR/RID (cross-border)



- **ADR/RID class:** 3 (F1) Flammable liquids.
- **Danger code (Kemler):** 33
- **UN-Number:** 1263
- **Packaging group:** II
- **Hazard label** 3
- **Description of goods:** 1263 FARBE, (Dampfdruck bei 50°C höchstens 110 kPa)
- **Maritime transport IMDG:**



- **IMDG Class:** 3
- **UN Number:** 1263
- **Label** 3
- **Packaging group:** II
- **EMS Number:** F-E, S-E
- **Marine pollutant:** No
- **Proper shipping name:** PAINT
- Air transport ICAO-TI and IATA-DGR:



- ICAO/IATA Class: 3
- UN/ID Number: 1263
- Label 3
- Packaging group: II
- Proper shipping name: PAINT

SECTION 15: REGULATORY INFORMATION

Labeling according to EU guidelines:

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

· Code letter and hazard designation of product:



F Highly flammable

· Risk phrases:

R11 Highly flammable.

· Safety phrases:

S2 Keep out of the reach of children.

S7/9 Keep container tightly closed and in a well-ventilated place.

S46 If swallowed, seek medical advice immediately and show this container or label.

S56 Dispose of this material and its container to hazardous or special waste collection point.

· Water-hazard class:

Water hazard class 1 (Self-assessment): slightly hazardous for water.

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 1907/2006/EC.

MATERIAL SAFETY DATA SHEET

According to 1907/2006/EC, Article 31

SECTION 1: PRODUCT IDENTIFICATION

Product: Staples Dry Erase Marker 4Assorted-Black

MSDS CODE: [ITEM #18963]

Ink: Sunway, WB Upgrade Black

DATE ISSUED: 2011-4-21

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-phrases
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 maps

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.

MATERIAL SAFETY DATA SHEET

According to 1907/2006/EC, Article 31

SECTION 1: PRODUCT IDENTIFICATION

Product: Staples Dry Erase Marker 4Assorted-Blue

MSDS CODE: [ITEM #18963]

Ink: Sunway, WB Upgrade Blue

DATE ISSUED: 2011-4-21

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-phrases
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 spillage 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 (carcinogenicity, 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.

MATERIAL SAFETY DATA SHEET

According to 1907/2006/EC, Article 31

SECTION 1: PRODUCT IDENTIFICATION

Product: Staples Dry Erase Marker 4Assorted-Green

MSDS CODE: [ITEM #18963]

Ink: Sunway, WB Upgrade Green

DATE ISSUED: 2011-4-21

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-phrased
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 mPas

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 (carcinogenicity, 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.