MSDS | Whiteboard Marker



Section 1: Identification of the Substance and the Company

Product name 97.011 | Whiteboard Marker Black

Relevant identified uses Drawing

Company iSee2, IZ Langevoorde, Groendreef 35, 9880 Aalter, Belgium

Emergency telephone +32 9 216 67 00

Section 2: Composition / Information of Ingredients

Material composition Ink, polypropylene, polyester chip, fiber

Chemical identity of the ink	CAS No.	EC No.	Content (%)	Classification
Ethanol	64-17-5	200-578-6	<30	-
Iso Propanol	67-63-0	200-661-7	<45	-
Pigment Color	84632-65-5		<7.50	-
Poly Vinyl Butyral Resin	63148-65-2		<10	-
Additive	Confidential	Confidential	<15	-

Polypropylene Chemical identity: ethylene-propylene copolymer

Common name: 1-propene, polymer with ethylene, propylene,

polymer with ethylene

Cas no.: 9010-79-1

Content: >99% (additive: <1%)

Polyester chip Component material: polyethyl eneterephthalate

Cas no.: 25038-59-9

WT%: 100

Fiber Chemical identity: polypropylene

Cas no.: 9003-07-0

Content: >99% (additive: <1%)

Section 3: Hazards Identification

Regulation (EC) Not classified as hazardous

No. 1272/2008 (CLP)

Ink Flammable liquids H225, Eye irritation H319, specific target

organ toxicity, single exposure; respriratory tract irritation H335,

H336

Classification according to EU

directives 67/548/EEC or

1999/45/EC

F: highly flammable R11

XI: irritant R36, R67

Polypropylene Not classified as hazardous



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Polyester chip Not classified as hazardous

Section 4: First Aid Measures

Ink Consult a physician. Show this safety data sheet to the doctor

in attendence.

If swallowed do not induce vomitting. Never give

anything by mouth to an unconscious person. Rinse mouth with

water and consult with a physician.

In case of eye contact rinse thoroughly with plenty of water for at

least 15 minutes and consult with a physician.

In case of skin contact: wash off with soap and plenty of water.

If inhaled: if breathed in, move the person into fresh air. If not breathing, give artificial respiration and consult a physician.

Polypropylene In case of eye contact flush eyes thoroughly with water at full. If

effects occur, consult a physician.

Skin contact: if molten material comes in contact with the skin,

do not apply ice but cool under ice water.

If inhaled move person to fresh air, if effects occur, consult a

physician.

Polyester chip If inhaled: when a person feels unwell by breathing in the gas

generated from melting the pellet, move person to fresh air. If

effects occur, consult a physician.

Skin contact: cool down by clean water, strongly remove the

cooled polymer from the skin and see a doctor.

Eye contact: rinsing and do not rub the eyes.

Ingestion: if the person feels bad, seek medical advice.

Fiber Skin contact: first aid is normally **not** required.

Eye contact: rinse opened eye for several minutes under running water. If the symptoms persist, consult a physician.

After swallowing no specific measures have to be taken if the

product is swallowed. Get medical advice if necessary.

Section 5: Accidental Release Measures

Ink Use personal protective equipment. Avoid breathing vapours,

mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. For personal protection, see section 8.

Polypropylene Personal precautions, protective equipment and emergency



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procedures isolate the hazard area. Use appropriate safety equipment and prevent from entering into soil, ditch, sewers,

waterways or groundwater.

Polyester chip Measure for handling personnel - wear proper protective

equipment. Measure for environmental effects: do not wash away into shower. The manual for preventing leakage of plastics - pellet was published in order that the sea-animals and birds

would not die by eating plastic pellet.

Fiber Person related safety precautions: **no** specific measures are

necessary.

Measures for environmental protection: **no** specific measures are

necessary.

Section 6: Fire-Fighting Measures

Ink Use water spray, alcohol-resistant foam, dry chemical or carbon

dioxide. Wear self contained breathing apparatus for fire fighting

if necessary.

Polypropylene Dry chemical fire extinguishers, carbon dioxide fire extinguishers.

Form water for or fine spray. During a fire, smoke contains the original material in addition to combustion products of varying

composition which may be toxic or irritation.

Polyester chip Applying water from a safe distance to cool and protect

surrounding area. Move container from fire areas if it can be done without risk. Firefighters should wear proper protective equipment. Keep personnel removed from and upwind of fire. Evacuate personnel to safe area. Fires involving this material produce large amounts of sooty smoke. In case of fire, use water

spray, foam, dry chemical powder or carbon dioxide.

Fiber In case of fire, it can release water, carbon dioxide and oxygen.

Section 7: Handling & Storage

Ink avoid contact with skin and eyes. Avoid inhalation of vapour or

mist.

Polypropylene Store in accordance with good manufacturing practices.

Polyester chip You should not breath in the gas generated in melting the pellet.

Store the pellet indoor and far away from heat of the source of

tıre.

Fiber Do not smoke. Open flames prohibited. Protect from heat and

direct sunlight. Store under dry conditions.

Section 8: Exposure Controls/Personal Protection

Ink Handle in accordance with good industrial hygiene and safety



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practice. Wash hands before breaks and at the end of workday. Face shield and safety glasses, use equipment for eye protection tested and approved under appropriate government standards such as Niosh (US) or EN166 (EU). Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Polypropylene Exposure limits in the air of the workplace.

Biological limit values: not applicable.

Good general ventilation should be adopted. Local exhaust

ventilation may be necessary for some operations.

Individual protection measure Respiratory protection: use an approved air purifying respirator,

when vapors are generated at increased temperatures or when

dust or mist is present.

Eye protection: use safety glasses. Wear chemical goggles.

Hand protection: Use gloves with insulation for thermal

protection.

Body protection: no precautions other than clean body-covering

clothing should be needed.

Polyester chip Appropriate engineering measures: Good General ventilation

should be sufficient for most conditions.

Personal protective equipment Respiratory protection: for most conditions, no respiratory

protection should be needed, however, in dusty atmospheres,

use an approved dust respirator.

Eye protection: not applicable.

Hand, skin and body protection: selection of specific items such

as gloves, boots, apron or full-body suits will depend on

operation.

Fiber General protective and hygienic measure: do not eat or drink

while working. No smoking.

Section 9: Physical and chemical properties

Ink

Appearance Liquid

Odour No data

Odour threshold No data

PH > 5-25°C



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Melting point 144°C

Initial boiling point 78~82°C

Flash point 14°C

Evapouration rate No data

Flammability No data

Water solubility Insoluble

Auto-ignition temp. 425°C

Viscosity > 11CPS at 25°C

Surface tension > 24mN/m at 25°C

Polypropylene

Appearance Pellet with white color or transparant colourless

Odour Odourless

Odour treshold No data

PH Not applicable

Meting point 130~150°C

Initial boiling point Not applicable

Flash point No data available

Evaporation rate Not applicable

Flammability No data available

Specific gravity 0.90~0.92

Partition coefficient Not applicable

Auto-ignition temp. 375~400°C

Decomposition temp. No data available

Viscosity No data available

Molecular weight >40,000

Polyester chip

Density 1.35

Appearance Pellet

Odour Not applicable

Boiling point None

Melting point 255~265°C

Vapor pressure None



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Volatility None

Fiber

Appearance Solid

Odour Nearly odourless

Boiling point Not applicable

Flash point Not applicable

Melting point 160~170°C

Ignition temp. 400°C

Decomposition temp. 300°C

Density at 20°C 0.89~0.91 g/cm²
Additional info Soluble in boiling

Section 10: Stability & Reactivity

Ink Reactivity: no data

Chemical stability: stable under recommended storage

conditions.

Conditions to avoid: heat, flames and sparks. Extremes of

temperature and direct sunlight.

Hazardous decomposition products: No data

Polypropylene Chemical stability: stable at room temperature and atmospheric

pressure.

Possibility of hazardous reactivity: no data.

Conditions to avoid: exposure to elevated temperature, flame,

ignition source.

Materials to avoid: strong oxidizing agents.

Hazardous decomposition products: processing may release

fumes and other decomposition products.

Polyester chip Flash point: 346~399°C

Flammibility: Probable

Oxidizibility: Improbable, in usual storage or handling.

Auto-ignition temp.: 483~488°C

Combustibility: the ignition temp. 483°C

Dust explosion: the lower limit concentration for explosion is

40 g/m³.



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Fiber Thermal decomposition: the product is stable at normal handling

and storage conditions, decomposes over 300°C.

Dangerous reactions: no dangerous reactions known.

Materials to be avoided: strong oxidizing agent.

Dangerous products of decomposition: no hazardous decomposition products known at room temperature.

Section 11: Toxicological Information

Ink

Acute toxicity 64-17-5 LD50 Oral - Rat - 7060 mg/kg. Remarks: lungs, thorax or

respiration: other.

Serious eye damage 67-63-0 eyes - rabbit, result: mild eye irritation 24h.

Respiratiory or skin sensitisation, germ cell mutagenicity, No data on

carcinogenicity, reproductive toxicity and aspiration hazard.

Polypropylene

Information on the likely routes of exposures:

Inhalation exposure Dust inhalation might be causing a cough

Delayed and immediate effects and also chronic effects from short and long term exposure:

LD50: >100 gm/kg, intraperitioneal (RAT) Acute toxicity

LD50: >99 gm/kg, intravenous (RAT)

Not listed in IARC Germ cell mutagenicity

No data on Ingestion exposure, skin and eye exposure, respiratory

sensitization and skin sensitization.

Not applicable information Skin corrosion, serious eye damage

Polyester chip

Not reported as harmful Acute toxicity, sub-chronic toxicity, chronic toxicity, carcinogenic

& mutagenic effects.

Irritatant properties The generated gas during drying or melting the pellet irritates

your eyes.

Fiber

On the skin and sensitization: no irritation effect Primary irritant effect

Additional toxicological

information

When used and handled according to specifications, the product

does not have any harmful effects according to our experience

and the information provided to us.



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Section 12: Ecological Information

All material No data available: toxicity, bio-accumulative potential & mobility

in soil.

Section 13: Disposal Considerations

Ink Burn in a chemical incenerator equipped with an afterburner and

scrubber but exert extra care in igniting.

Polypropylene All disposal practices must be in compliance with all federal,

state and local laws and regulations.

Polyester chip Do not dump into sewers on the ground or into water.

Fiber The material can be re-used or recycled according to regulations

of guideline.

Section 14: Transport Information

Ink UN number - ADR/RID: 1993, IMDG: 1993, IATA: 1993

UN proper shipping name: Micpic ink

Transport hazard class: 3

Polypropylene No data available
Polyester chip No data available

Fiber According to national and international guidelines, which

regulate the road, rail, air and sea transport, this product is

classified as not dangerous.

Section 15: Regulatory Information

This safety data sheet complies with the requirements of regulation (EC) No. 1907/2006 and regulation (EC) No. 12721/2008. According to EEC directive and following adaptions product is not dangerous.

Section 16: Other Information

The information contained in this document is based on data considered accurate.

Notes:

This datasheet has been produced to advise our customers regarding possible hazards with iSee2 Eraze Markers in recognition of our responsibility to the Health and Safety at Work Act. The use of our products does not entail any special hazard if they are handled according to normal good safety practices. Nevertheless, we would draw your attention to some specific information concerning their safe use. This information should not be construed as indicative of any new or unusual hazards that we have discovered but rather that you should be properly informed of their characteristics and to discharge our duty as outlined in the act.

