



Conforms to 93/112/EEC and ISO 11014-1

SAFETY DATA SHEET

SP.500ML.PRIMER GRIJS



1. Identification of the substance/preparation and of the company/undertaking

Product name : **SP.500ML.PRIMER GREY** Manufacturer : **MoTip-Dupli Wolvega B.V.**
 8471 XC WOLVEGA
 THE NETHERLANDS
 Tel: +31(0)561 694400
 Fax: +31(0)0561 694431

Product No. : **04054** Supplier : **MoTip-Dupli Wolvega B.V.**
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Emergency telephone number : **CALL + (31)(0)6 50673292 OR**
+ (31)(0)29058130

2. Composition / information on ingredients

Substances presenting a health hazard within the meaning of the Dangerous Substances Directive 67/549/EEC.

Chemical name	CAS No.	%	EC Number	Symbol	H-Phrases
1) Acetone	67-84-1	25-50	200-662-2	F, Xi	R11, R36, R66, R67
2) n-Butanol	71-36-3	2.5-10	200-751-0	Xn	R10, R22, R38, R41, R67
3) 2-butanol	78-93-3	2.5-10	201-169-0	F, Xi	R11, R36/37, R66, R67
4) Ethyl acetate	141-78-8	0-2.5	205-500-4	F, Xi	R11, R36, R66, R67
5) Xylene (isomer mixture)	1330-20-7	2.5-10	215-535-7	Xn	R10, R20/21, R38
6) propan-2-ol	67-63-0	0-2.5	200-661-7	F, Xi	R11, R36, R67
7) 1-Methoxy-2-Propanol acetate	100-65-6	2.5-10	203-603-9	Xi	R10, R36
8) Propane	74-98-6	10-25	200-827-9	F+	R12
9) Butane	106-97-0	2.5-10	203-448-7	F+	R12

* Occupational Exposure Limit(s), if available, are listed in section 8

3. Hazards identification

Physical/Chemical Hazards : **Extremely flammable. Pressurized container; protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking.**

Human health hazards : **Irritating to eyes, respiratory system and skin.**

Environmental Hazards : **Not applicable.**

4. First-aid measures

First-Aid measures

Inhalation : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion : Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin Contact : In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. If you feel unwell, seek medical attention and show the label when possible.

Eye Contact : Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention.

Effects and symptoms

Inhalation : Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath.

Ingestion : Hazardous in case of ingestion.

Skin Contact : Sensitization of the product: Not available. Hazardous in case of skin contact (irritant). Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

Eye Contact : Hazardous in case of eye contact (irritant).

Aggravating conditions : Repeated or prolonged exposure is not known to aggravate medical condition.

Notes to physician : Call local Poison Control Center for assistance.

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5. Fire-fighting measures

Extinguishing Media

- Suitable : Flammable liquid, insoluble in water.
SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion. Move containing vessels from fire if without risk.
- Unusual fire/explosion hazards : May explode when heated.
- Hazardous incombustible (de)composition products : These products are carbon oxides (CO, CO₂). Some metallic oxides, nitrogen oxides (NO, NO₂...)
- Special fire-fighting procedures : Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.
- Protection of fire-fighters : Be sure to use an approved/certified respirator or equivalent.

6. Accidental release measures

- Personal precautions : Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient, consult a specialist BEFORE handling this product.
- Environmental Precautions and Clean-up Methods : Absorb with an inert material and put the spilled material in an appropriate waste disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

7. Handling and storage

- Handling : Do not ingest. Do not breathe gas/fumes/vapor/spray. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, acids, alkalis, moisture.
- Storage : Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above 40°C (104°F).
- Incompatible materials
- Recommended use : Use original container.
- Not suitable : WARNING Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking.

8. Exposure controls/personal protection

- Engineering measures : Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.
- Hygiene measures : Wash hands, forearms, and face thoroughly after handling compounds and before eating, smoking, using lavatory, and at the end of day.

Ingredient Name	Occupational Exposure Limits
1) Acetone	80/1107/EEC (Europe). TWA: 500 ppm TWA: 1210 mg/m ³ STEL: 1000 ppm STEL: 2420 mg/m ³
2) n-Butanol	ACGIH (United States). CEIL: 60 ppm
3) 2-butanone	80/1107/EEC (Europe). TWA: 100 ppm TWA: 300 mg/m ³
4) Ethyl acetate	ACGIH (United States). TWA: 400 ppm
5) XYLENE	80/1107/EEC (Europe). Skin TWA: 50 ppm TWA: 221 mg/m ³ STEL: 100 ppm STEL: 442 mg/m ³
6) propan-2-ol	ACGIH (United States). TWA: 400 ppm STEL: 500 ppm
7) 1-Methoxy-2-Propanol acetate	80/1107/EEC (Europe). Skin TWA: 50 ppm TWA: 275 mg/m ³ STEL: 100 ppm STEL: 550 ppm
8) Propane	Simple asphyxiant.
9) Butane	ACGIH (United States). TWA: 800 ppm

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Personal protective equipment

Respiratory system	:	Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.
Skin and body	:	Lab coat.
Hands	:	Gloves.
Eyes	:	Splash goggles.

9. Physical and chemical properties

Physical state	:	Liquid. (Aerosol)
Color	:	See Cap
Odor	:	Hydrocarbon.
Odor Threshold	:	The highest known value is 300 ppm (Acetone) Weighted average: 167.4 ppm
Boiling Point	:	The lowest known value is 58°C (132.8°F) (Acetone). Weighted average: 63.08°C (161.5°F)
Melting Point	:	May start to solidify at <20°C (-22°F) based on data for: Xylene (isomer mixture). Weighted average: -82.4°C (-118.3°F)
Density	:	Weighted average: 0.82 g/cm ³
Vapor Density	:	The highest known value is 4.6 (Air = 1) (1-Methoxy-2-Propanol acetate). Weighted average: 2.2 (Air = 1)
Vapor Pressure	:	419,895 kPa (at 20°C)
Evaporation rate (Butyl acetate = 1)	:	The highest known value is 10 (Acetone) Weighted average: 6.78 compared to Butyl acetate.
Solubility	:	Easily soluble in n-octanol, acetone. Soluble in diethyl ether. Very slightly soluble in methanol. Insoluble in cold water, hot water.
pH	:	7 [Neutral.]
Flash point	:	The lowest known value is CLOSED CUP: -83°C (-117.4°F). (iso-butane)
Fire Hazards in Presence of Various Substances	:	Highly flammable in presence of open flames, sparks and static discharge, of heat.
Autoignition temperature	:	The lowest known value is 315°C (599°F) (1-Methoxy-2-Propanol acetate).
Explosive properties	:	Risks of explosion of the product in presence of mechanical impact: Not available. Slightly explosive in presence of open flames, sparks and static discharge, of heat.
Lower explosion limit	:	The greatest known range is LOWER: 1% UPPER: 15% (iso-butane)
Viscosity	:	Dynamic: The highest known value is 3 cP (n-Butanol) Weighted average: 0.62 cP Kinetic: 7.1 cS (Not applicable (gas). Aerosol)

10. Stability and reactivity

Stability	:	The product is stable.
Conditions to avoid	:	Keep away from heat.
Materials to avoid	:	Slightly reactive to reactive with oxidizing agents acids alkalis Corrosive in presence of moisture
Hazardous Decomposition Products	:	These products are carbon oxides (CO, CO ₂), Some metallic oxides, nitrogen oxides (NO, NO ₂ ...)

11. Toxicological information

Local effects

Skin irritation	:	Hazardous in case of skin contact (irritant).
Eye irritation	:	Hazardous in case of eye contact (irritant).
Acute toxicity	:	Acute oral toxicity (LD50): >2000 mg/kg [Rat]. (n-Butanol). Acute dermal toxicity (LD50): >2000 mg/kg [Rabbit]. (Xylene (isomer mixture)). Acute toxicity of the gas (LC50): 22 mg/l 4 hours [Rat]. (Xylene (isomer mixture)). Acute toxicity of the vapor (LC50): >20 mg/l 4 hours [Rat]. (propan-2-ol). Acute toxicity of the dust (LC50): 8000 ppm 4 hours [Rat]. (n-Butanol).
Chronic toxicity	:	Repeated or prolonged exposure is not known to aggravate medical condition.

Specific effects

Carcinogenic Effects	:	Classified A4 (Not classifiable for human or animal.) by ACGIH [Acetone]. Classified A4 (Not classifiable for human or animal.) by ACGIH, 3 (Not classifiable for human.) by IARC [XYLENE].
Mutagenic Effects	:	Non-mutagenic for bacteria and/or yeast.
Teratogenic effects	:	Classified None, for human [SP.500ML.PRIMER GRIJS METAAL].

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12. Ecological information

Persistence/degradability : BOD and COD:
The BOD is 1 mg/kg[day(6)]. The COD is 1 mg/kg[day(6)].
Ecotoxicity : Not available.





13. Disposal considerations

Methods of disposal : Waste or residues : Contaminated packaging : Type: Non-hazardous chemical waste.
Location: Europe
Classification: 1501 04 / 1501 99D1 (1501 04 refers to the completely empty aerosol.
1501 99 D1 refers to the not completely empty aerosol.
(European waste catalog))
Disposal: via recycling
Storage: not available
Recycling: not available

Waste Classification : 200112
European Waste Catalogue (EWC) : Not available.
Hazardous Waste : Not available.

14. Transport information

International transport regulations

Regulatory Information	UN number	Proper shipping name	Class	Packing Group	Label	Additional information
ADR/RID Class	1950	Aerosol dispensers	2.5F	II		
ADN Class	1950	Aerosol dispensers	2.5F	II		
IMDG Class	1850	AEROSOLS	2	II		Emergency Schedules (EMS) 2-13 Marine Pollutant Not pollutant.
IATA-DGR Class	1950	AEROSOLS, flammable	2.1	II		Packaging Instruction Y203 Limited Quantity

15. Regulatory information

EU Regulatory

Hazard symbols :



Classification :

Extremely flammable, Irritant

Risk Phrases :

R12- Extremely flammable.
R36- Irritating to eyes,
R68- Repeated exposure may cause skin dryness or cracking.
R67- Vapors may cause drowsiness and dizziness.

Safety Phrases :

S2- Keep out of the reach of children.
S23- Do not breathe spray.
S28- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S46- If swallowed, seek medical advice immediately and show this container or label.
S51- Use only in well-ventilated areas.

Product Use :

Classification and labeling have been performed according to EU directives 67/548/EEC, 88/379/EEC including amendments and the intended use.
- Consumer applications, Used by Spraying.

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Other EC Regulations

Additional Warning Phrases : **WARNING** Pressurized container, protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking.

Hazard Warning of danger : Yes, applicable.

Reference to Market Directive : Not applicable.

EC Standard Classification (Paper Code) :

16. Other information

HISTORY

Date of printing : 25-7-2002.

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Version : 2

Prepared by : D.Klestra

Notes to Reader

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Version

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