

SAFETY DATA SHEET

1. IDENTIFICATION OF THE PRODUCT

NAME OF THE PRODUCT Special plastics spray 500ml
REFERENCE 110025 (P100 - Black)
110026 (P200 - Anthracite)

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



GHS02 flame

Aerosol 1

H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.
STOT SE 3 H336 May cause drowsiness or dizziness.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS02



GHS07

Signal word

Danger.

Hazard-determining components of labelling

Acetone.
N-butyl acetate.
Butanone.

Hazard statements

H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read carefully and follow all instructions.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P271	Use only outdoors or in a well-ventilated area.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER/ doctor if you feel unwell.
P337+P313	If eye irritation persists: Get medical advice/ attention.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C/122 °F.
P501	Dispose of contents/ container in accordance with local/ regional/ national/ international regulations.

Additional information

Without adequate ventilation, explosive atmosphere/gas mix may be created.
 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

2.3. Other hazards

Results of PBT and vPvB assessment















PBT: No applicable.
 mPmB: No applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Identification	Classification	Concentration
CAS: 67-64-1 EINECS: 200-662-2 Reg.nr.: 01-2119471330-49-xxxx	Acetone Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH066	25-<50%
CAS: 74-98-6 EINECS: 200-827-9 Reg.nr.: 01-2119486944-21-xxxx	Propane Flam. Gas 1A, H220 Press. Gas (Comp.), H280 EUH018	10-<25%
CAS: 106-97-8 EINECS: 203-448-7 Reg.nr.: 01-2119474691-32-xxxx	Butane (containing ≤ 0,1% butadiene (203-450-8)) Flam. Gas 1A, H220 Press. Gas (Comp.), H280 EUH018	5-<10%

CAS: 75-28-5 EINECS: 200-857-2 Reg.nr.: 01-2119485395-27-xxxx	Isobutane (containing $\leq 0,1\%$ butadiene (203-450-8)) Flam. Gas 1A, H220 Press. Gas (Comp.), H280 EUH018		5-<10%
CAS: 9004-70-0 Reg.nr.: no Reach. No. available	Nitrocellulose with water (not less than 25% water, by mass) Expl. 1.1, H201		2,5-<5%
CAS: 123-86-4 EINECS: 204-658-1 Reg. nr.: 01-2119485493-29-xxxx	N-butyl acetate Flam. Liq. 3, H226 STOT SE 3, H336 EUH066	 	2,5-<5%
CAS: 108-65-6 EINECS: 203-603-9 Reg. nr.: 01-2119475791-29-xxxx	2-methoxy-1-methylethyl acetate Flam. Liq. 3, H226		2,5-<5%
CAS: 1330-20-7 EINECS: 215-535-7 Reg.nr.: 01-2119488216-32-xxxx	Xylene, mixture of isomers Flam. Liq. 3, H226 STOT RE 2, H373 Asp. Tox. 1, H304 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	  	2,5-<5%
CAS: 64-17-5 EINECS: 200-578-6 Reg.nr.: 01-2119457610-43-xxxx	Ethanol Flam. Liq. 2, H225 Eye Irrit. 2, H319	 	2,5-<5%
CAS: 78-93-3 EINECS: 201-159-0 Reg.nr.: 01-2119457290-43-xxxx	Butanone Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	 	1-<2,5%
CAS: 7397-62-8 EINECS: 230-991-7 Reg.nr.: 01-2119514685-36-xxxx	Butyl glycolate Repr. 2, H361 Eye Dam. 1, H318	 	<1%

Additional information

For the wording of the listed hazard phrases refer to section 16.

4. FIRST AID MEASURES

4.1. Description of 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. If symptoms persist, consult a doctor.

After swallowing:

If symptoms persist consult doctor.

4.2. Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3. Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5. FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing agents

Cool container with water.

5.2. Special hazards arising from the substance or mixture

No further relevant information available.

5.3. Advice for firefighters

Protective equipment

No special measures required.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

6.2. Environmental precautions

Do not allow to enter sewers/ surface or ground water.

6.3. Methods and material for containment and cleaning up

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

6.4. Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Keep away from heat and direct sunlight.

Ensure good ventilation/exhaustion at the workplace.

Information about fire - and explosion protection

Do not spray onto a naked flame or any incandescent material.

Keep ignition sources away - Do not smoke.

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

7.2. Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and receptacles:

Observe official regulations on storing packagings with pressurised containers.

Information about storage in one common storage facility:

Not required.

Further information about storage conditions:

None.

7.3. Specific end use(s)

No further relevant information available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Ingredients with limit values that require monitoring at the workplace

Acetone 67-64-1	WEL	Short-term value: 3620 mg/m ³ , 1500 ppm. Long-term value: 1210 mg/m ³ , 500 ppm.
Butane (containing ≤ 0,1% butadiene (203-450-8)) 106-97-8	WEL	Short-term value: 1810 mg/m ³ , 750 ppm. Long-term value: 1450 mg/m ³ , 600 ppm. Carc (if more than 0,1% of buta-1.3-diene).
N-butyl acetate 123-86-4	WEL	Short-term value: 966 mg/m ³ , 200 ppm. Long-term value: 724 mg/m ³ , 150 ppm.
Xylene, mixture of isomers 1330-20-7	WEL	Short-term value: 441 mg/m ³ , 100 ppm. Long-term value: 220 mg/m ³ , 50 ppm. Sk; BMGV.
Ethanol 64-17-5	WEL	Long-term value: 1920 mg/m ³ , 1000 ppm.
Butanone 78-93-3	WEL	Short-term value: 899 mg/m ³ , 300 ppm. Long-term value: 600 mg/m ³ , 200 ppm. Sk; BMGV.

Ingredients with biological limit values

Xylene, mixture of isomers 1330-20-7	BMGV	650 mmol/mol creatinine. Medium: urine. Sampling time: post shift. Parameter: methyl hippuric acid.
Butanone 78-93-3	BMGV	70 µmol/L. Medium: urine. Sampling time: post shift. Parameter: butan-2-one.

Additional information

The lists valid during the making were used as basis.

8.2. Exposure controls

Appropriate engineering controls

No further data; see item 7.

Individual protection measures, such as personal protective equipment.

General protective and hygienic measures




Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

	<p>Respiratory protection When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Half mask with combination filter, class A1P2 minimum, or breathing mask with outer air supply.</p>
	<p>Hand protection Protective gloves. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. Material of gloves: Nitrile rubber, NBR. Penetration time of glove material. Gloves must be changed after every contamination. The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed. For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable: butyl rubber, 0,7mm</p>
	<p>Eye/face protection Tightly sealed goggles.</p>

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General Information	
Physical state	Aerosol.
Colour	According to product specification.
Odour	Characteristic.
Odour threshold	Not determined.
Melting point/freezing point	Undetermined.
Boiling point or initial boiling point and boiling range	Not applicable, as aerosol.
Flammability	Not applicable.

Lower and upper explosion limit	
Lower	1.7 vol%
Upper	13 vol%
Flash point	<0°C
Auto-ignition temperature	Product is not selfigniting.
Decomposition temperature	Not determined.
pH	Not determined.
Viscosity	
Kinematic viscosity	Not determined.
Dynamic	Not determined.
Solubility	
Water	Not miscible or difficult to mix.
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure at 20 °C	3.600 hPa.
Density and/or relative density	
Relative density	Not determined.
Vapour density	Not determined.

9.2. Other information

Appearance	
Form	Aerosol
Important information on protection of health and environment, and on safety.	
Ignition temperature	460°C (75-28-5 isobutane (containing ≤ 0,1% butadiene (203-450-8))).
Explosive properties	Product is not explosive. However, formation of explosive air/vapour mixtures are possible. Not determined.
Solvent content	
Organic solvents	85.6% With propellant gas. Content given by weight.
Water	0.1%
VOC(EU)	85.58%.
Solids content	12.0%
Change in condition	
Evaporation rate	Not applicable.
Information with regard to physical hazard classes	
Explosives	Void.
Flammable gases	Void.
Aerosols	Extremely flammable aerosol. Pressurised container: May burst if heated.
Oxidising gases	Void.
Gases under pressure	Void.
Flammable liquids	Void.
Flammable solids	Void.
Self-reactive substances and mixtures	Void.
Pyrophoric liquids	Void.

Pyrophoric solids	Void.
Self-heating substances and mixtures	Void.
Substances and mixtures, which emit flammable gases in contact with water	Void.
Oxidising liquids	Void.
Oxidising solids	Void.
Organic peroxides	Void.
Corrosive to metals	Void.
Desensitised explosives	Void.

10. STABILITY AND REACTIVITY

10.1. Reactivity

No further relevant information available.

10.2. Chemical stability

Thermal decomposition/conditions to be avoided

No decomposition if used according to specifications.

10.3. Possibility of hazardous reactions

No dangerous reactions known.

10.4. Conditions to avoid

No further relevant information available.

10.5. Incompatible materials

No further relevant information available.

10.6. Hazardous decomposition products

No dangerous decomposition products known.

11. TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Serious eye damage/irritation

Causes serious eye irritation.

STOT-single exposure

May cause drowsiness or dizziness.

11.2. Information on other hazards

Endocrine disrupting properties		
78-93-3	Butanona	List II
541-02-6	2,2,4,4,6,6,8,8,10,10- decamethylcyclopentasiloxane	List II
556-67-2	octametilclotetrasiloxano	List II; III

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Aquatic toxicity:

No further relevant information available.

12.2. Persistence and degradability

No further relevant information available.

12.3. Bioaccumulative potential

No further relevant information available.

12.4. Mobility in soil

No further relevant information available.

12.5. Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Ikke relevant.

12.6. Endocrine disrupting properties

For information on endocrine disrupting properties see section 11.

12.7. Other adverse effects

Additional ecological information

General notes:

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

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

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.

14. TRANSPORT INFORMATION

14.1. UN Number or Id number

ADR, IMDG, IATA

UN1950

14.2. UN proper shipping name

ADR

1950 AEROSOLS



IMDG

AEROSOLS

IATA

AEROSOLS, flammable

14.3. Transport hazard class(es)

ADR:	Class: 2.5F Gases	Label: 2.1	
IMDG/IATA:	Class: 2.1 Gases	Label: 2.1	

14.4. Packing group

ADR, IMDG, IATA: Void. Not classified.

14.5. Environmental hazards

Marine pollutant: NO

14.6. Special precautions for user

Hazard identification number (Kemler code): Warning: Gases.
Not classified.

EMS Number: F-D, S-U

Stowage Code: SW1 Protected from sources of heat.
SW2 Clear of living quarters.
SG69 For AEROSOLS with a maximum capacity of 1 litre:
Segregation as for class 9. Stow "separated from" class 1
except for division 1.4.

Segregation Code: For AEROSOLS with a capacity above 1 litre: Segregation as
for the appropriate subdivision of class 2.
For WASTE AEROSOLS: Segregation as for the appropriate
subdivision of class 2.

14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

Transport/Additional information

ADR

Limited quantities (LQ) 1L
Excepted quantities (EQ) Code: E0. Not permitted as Excepted Quantity.
Transport category 2
Tunnel restriction code D

IMDG

Limited quantities (LQ) 1L
Excepted quantities (EQ) Code: E0. Not permitted as Excepted Quantity.
UN "Model Regulation" UN 1950 AEROSOLS, 2.1

15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

VOC: <840g/l.

Directive 2012/18/UE

Named dangerous substances - ANNEX I: None of the ingredients is listed.

Seveso category: P3a FLAMMABLE AEROSOLS.

Qualifying quantity (tonnes) for the application of lower-tier requirements: 150 t.
Qualifying quantity (tonnes) for the application of upper-tier requirements: 500 t.

National regulations

Technical instructions (air)

Class	Share in %
NK	50-100

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

15.2. Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

16. OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H201: Explosive; mass explosion hazard.
H220: Extremely flammable gas.
H225: Highly flammable liquid and vapour.
H226: Flammable liquid and vapour.
H280: Contains gas under pressure; may explode if heated.
H304: May be fatal if swallowed and enters airways.
H312: Harmful in contact with skin.
H315: Causes skin irritation.
H318: Causes serious eye damage.
H319: Causes serious eye irritation.
H332: Harmful if inhaled.
H335: May cause respiratory irritation.
H336: May cause drowsiness or dizziness.
H361: Suspected of damaging fertility or the unborn child.
H373: May cause damage to organs through prolonged or repeated exposure.
EUH018: In use may form flammable/explosive vapour-air mixture.
EUH066: Repeated exposure may cause skin dryness or cracking.

Abbreviations and acronyms

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road).
IMDG: International Maritime Code for Dangerous Goods.
IATA: International Air Transport Association.
GHS: Globally Harmonised System of Classification and Labelling of Chemicals.
EINECS: European Inventory of Existing Commercial Chemical Substances.
ELINCS: European List of Notified Chemical Substances.
CAS: Chemical Abstracts Service (division of the American Chemical Society).
PBT: Persistent, Bioaccumulative and Toxic.
vPvB: very Persistent and very Bioaccumulative.
Expl. 1.1: Explosives – Division 1.1.
Flam. Gas 1A: Flammable gases – Category 1A.

Aerosol 1: Aerosols – Category 1.
Aerosols – Category 3.
Press. Gas (Comp.): Gases under pressure – Compressed gas.
Flam. Liq. 2: Flammable liquids – Category 2.
Flam. Liq. 3: Flammable liquids – Category 3.
Acute Tox. 4: Acute toxicity – Category 4.
Skin Irrit. 2: Skin corrosion/irritation – Category 2.
Eye Dam. 1: Serious eye damage/ eye irritation – Category 1.
Eye Irrit. 2: Serious eye damage/ eye irritation – Category 2.
Repr. 2: Reproductive toxicity – Category 2.
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3.
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2.
Asp. Tox. 1: Aspiration hazard – Category 1.

The information contained in this Safety Data Sheet is based on sources, technical knowledge and current legislation at European and state level, and cannot guarantee its accuracy. This information cannot be considered as a guarantee of the properties of the product, it is simply a description of the safety requirements. The methodology and working conditions of the users of this product are beyond our knowledge and control, and it is always the user's ultimate responsibility to take the necessary measures to adapt to the legislative requirements regarding the handling, storage, use and disposal of chemical products. The information in this safety data sheet only refers to this product, which should not be used for purposes other than those specified.