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Reviewed on:	BLACK MATT SPRAY	Version: 1.0

1. Section 1. Identification of the substance/mixture and of the company/undertaking:

- 1.1. Product identifier: **BLACK MATT SPRAY - 1 35156**
- 1.2. Relevant identified uses of the substance or mixture and uses advised against:
Application of the substance / the mixture: Color
- 1.3. Details of the supplier of the safety data sheet:
Identification of manufacturer/Supplier:
RETECH, s.r.o.
Vackova 1541/4
150 00 Praha-5 Stodůlky
Telephone/Fax: +420 327 596 128, +420 327 596 428
Information: info@retech.cz
- 1.4. Emergency telephone number: RETECH Suchdol 212, Suchdol u Kutné Hory
Tel.+420 327 596 128 (7.30-16.00 hour)
Toxicology information number, Na bojišti 1, 128 08 PRAHA 2
Tel. +420 224 919 293, +420 224 915 402 (24 hours a day)

2. Section 2. Hazard identification:

- 2.1. Classification of the substance or mixture:
Classification according to Regulation (EC) No 1272/2008 [CLP]:
Flam. Aerosol 1 H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.
Eye Irrit. 2 H319 Causes serious eye irritation.
STOT SE 3 H336 May cause drowsiness or dizziness.
- Classification according to Directive 67/548/EEC or Directive 1999/45/EC:
F+ Extremely flammable R12 Extremely flammable.
Xi Irritant R36 Irritating to eyes.
- R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.
- 2.2. Label elements:
Labelling according to Regulation (EC) No 1272/2008 [CLP]:



Signal word: Danger

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.
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.
P260 Do not breathe spray.
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.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.
P501 Dispose of contents/container in accordance with national regulation.

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Supplemental Hazard information:

EUH066 Repeated exposure may cause skin dryness or cracking.

Contained dangerous substances:

67-64-1 Acetone

2.3. Other hazards:

Results of PBT and vPvB assessment:

PBT: Not applicable

vPvB: Not applicable

Buildup of explosive mixtures possible without sufficient ventilation.

3. Section 3. Composition/information on ingredients:

3.2. Mixtures:

Description of the mixture: Mixture of active agents with propellant

Hazardous ingredients:

CAS: 67-64-1 EINECS: 200-662-2 Index.Nr.: 606-001-00-8 Reg.nr.: 01-2119471330-49	Acetone Xi R36; F R11; R66; R67 Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	25-<50 %
CAS: 123-86-4 EINECS: 204-658-1 Index.Nr.: 607-025-00-1 Reg.nr.: 01-2119485493-29	Butyl acetate R10; R66; R67 Flam. Liq. 3, H226; STOT SE 3, H336	12.5-<20 %
CAS: 74-98-6 EINECS: 200-827-9 Index.Nr.: 601-003-00-5 Reg.nr.: 01-2119486944-21	Propane F+ R12 Flam. Gas 1, H220; Press. Gas, H280	12.5-<20 %
CAS: 106-97-8 EINECS: 203-448-7 Index.Nr.: 601-004-00-0 Reg.nr.: 01-2119474691-32	Butane (containing <0.1 % butadiene (203-450-8)) F+ R12 Flam. Gas 1, H220; Press. Gas, H280	10-<12.5 %
CAS: 9004-70-0 EINECS: 618-392-2 Index.Nr.: 603-037-01-3	Cellulose nitrate < 12.6 % Nitrogen F R11 Flam. Sol. 1, H228	5-<10 %
CAS: 75-28-5 EINECS: 200-857-2 Index.Nr.: 601-004-00-0 Reg.nr.: 01-2119485395-27	Isobutane (containing <0.1 % butadiene (203-450-8)) F+ R12 Flam. Gas 1, H220; Press. Gas, H280	2.5-<5.0 %
CAS: 64-17-5 EINECS: 200-578-6 Index.Nr.: 603-002-00-5 Reg.nr.: 01-2119457610-43	Ethanol F R11 Flam. Liq. 2, H225	<2.5 %
CAS: 64742-94-5 EINECS: 265-198-5 Index.Nr.: 649-424-00-3 Reg.nr.: 01-2119510128-50	Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified (containing <0.1 % benzene (200-753-7)) Xn R65 Asp. Tox. 1, H304	<2.5 %
EC: 918-668-5 Reg.nr.: 01-2119455851-35	Hydrocarbons (containing <0.1 % benzene (200-753-7)) R10; Xn R65; Xi R37; N R51/53; R66; R67 Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H335, H336	≤0.5 %

For full text of H-statements and R-phrases: see SECTION 16.

4. Section 4. First aid measures:

4.1. Description of first aid measures:

After inhalation:

Move the exposed person to fresh air at once.

Keep the affected person warm and at rest.

Get medical attention if any discomfort continues.

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After skin contact:	Wash with water and soap and rinse thoroughly. Generally the product does not irritate the skin.
After eye contact:	Rinse opened eye for several minutes under running water. Get medical attention if any discomfort continues.
After swallowing:	Do not induce vomiting. Rinse mouth with plenty of water and drink large amount of water. Call for a doctor immediately.
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. Section 5. Fire fighting measures:	
5.1. Extinguishing media:	
Suitable extinguishing agents:	Fire-extinguishing powder, carbon dioxide, water spray. Fight larger fires with water spray or alcohol resistant foam.
For safety reasons unsuitable extinguishing agents:	Water with full jet.
5.2. Special hazards arising from the substance or mixture:	No further relevant information available.
5.3. Advice for firefighters:	Wear protective clothing and self-contained breathing apparatus.
6. Section 6. Accidental release measures:	
6.1. Personal precautions, protective equipment and emergency procedures:	Wear protective equipment see Section 8.2 Keep unprotected persons away. Ensure adequate ventilation.
6.2. Environmental precautions:	Do not allow to enter sewage system, surface or ground water. Inform respective authorities in case of seepage into water course or sewage system.
6.3. Methods and material for containment and cleaning up:	Ensure adequate ventilation. Do not flush with water or aqueous cleansing agents. Dispose contaminated material as waste according to Section 13.
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. Section 7. Handling and storage:	
7.1. Precautions for safe handling:	Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care.
Measures to prevent fire:	Keep ignition sources away - Do not smoke. Protect against electrostatic charges.
7.2. Conditions for safe storage including any incompatibilities:	
Technical measures and storage conditions:	Observe official regulations on storing packagings with pressurized containers.
Requirements for storage rooms and vessels:	Observe official regulations on storing packagings with pressurized containers. Store in a cool location.
Storage class:	2B
Further information on storage conditions:	Store in cool, dry conditions in well sealed receptacles. Protect from heat and direct sunlight. Keep container in a well-ventilated place.
7.3. Specific end use(s):	No further relevant information available.
8. Section 8. Exposure controls/personal protection:	
8.1. Control parameters:	Components with limit values that require monitoring at the workplace:

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WEL (UK): EH40/2005

CAS	Substance	Long-term (8-hr TWA ref. period)		Short-term (15 minute ref. period)		Comments
		ppm	mg/m ³	ppm	mg/m ³	
67-64-1	Acetone	500	1210	1500	3620	
123-86-4	Butyl acetate	150	724	200	966	
106-97-8	Butane	600	1450	750	1810	Carc. (only applies if Butane contains more than 0.1 % of buta-1,3-diene)
64-17-5	Ethanol	1000	1920			

OEL (EU): 2000/39/EG, 2006/15/EG, 2009/161/EG

CAS	Name of agent	Eight hours		Short-term		Notation
		mg/m ³	ppm	mg/m ³	ppm	
67-64-1	Acetone	1210	500			

Additional information: The lists that were valid during the compilation were as basis.

8.2.

Exposure controls:

Personal protection equipment:

Breathing equipment:

Use suitable respiratory protective device in case of insufficient ventilation. In case of brief exposure or low pollution use respiratory filter device (filter A/P2).

Eye protection:

Safety goggles

Protection of hands:

Protective gloves

Solvent resistant gloves

The glove material must be impermeable and resistant against the product/ substance/ preparation.

The final selection of the glove material must be carried out on the basis of penetration times, permeation rates and degradation.

Material of gloves: Butyl rubber

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.

Protection of skin:

Protective suit.

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.

Do not inhale gases/ fumes/ aerosols.

Avoid eye and skin contact.

9. Section 9. Physical and chemical properties:

9.1. Information on basic physical and chemical properties:

Appearance:

Form: Aerosol

Colour: Black

Odour: Characteristic (solvent like)

Odour threshold: Not determined

Value pH: Not determined

Melting point/freezing point: Not determined

Initial boiling point/boiling range: Not applicable.

Flash point: Not applicable.

Evaporation rate: Not applicable.

Flammability (solid, gas): Not determined

Explosive properties: The product is not explosive. However, formation of explosive air/steam mixtures is possible.

Explosive limits:

– lower: 1.2 Vol %

– upper: 13.0 Vol %

Vapour pressure at 20°C: 8300 hPa

Vapour density at 20 °C: Not determined

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Density at 20°C:	0.78 g/cm ³
Relative density:	Not determined
Solubility in/miscibility with:	
- water	Not miscible or difficult to mix.
Partition coefficient (n-octanol/water):	Not determined
Ignition temperature:	180 °C
Decomposition temperature:	Not determined
Self-igniting:	The product is not selfigniting.
Viscosity:	Not determined
Oxidising properties:	Not determined
9.2. Other information:	
VOC:	645.2 g/l
Solid content:	26.1 %

10. Section 10. Stability and reactivity:

10.1. Reactivity:	No further relevant information available.
10.2. Chemical stability:	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. Section 11. Toxicological information:

11.1. Information on toxicological effects:

Acute toxicity:

LD/LC50 values relevant for classification:

CAS		LD50 Oral, rat mg/kg	LD50 Dermal, rabbit mg/kg	LC50 Inhalative, rat mg/l
67-64-1	Acetone	5800	20000	

Irritation: Skin: No irritating effect.
Eyes: Irritating effect.

Corrosivity: Not corrosive.

Sensitization: No sensitizing effect known.

Repeated dose toxicity: No further relevant information available.

Carcinogenicity: No further relevant information available.

Mutagenicity: No further relevant information available.

Toxicity for reproduction: No further relevant information available.

Other information: Vapours have a narcotizing effect.
At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.

12. Section 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.
Additional ecological information:	
General notes:	Water hazard class 1 (Self-assessment): slightly hazardous for water. Do not allow to enter water courses, ground water or drains in undiluted and/or large quantities.
12.5. Results of PBT and vPvB assessment:	
PBT:	Not applicable
vPvB:	Not applicable
12.6. Other adverse effects:	No further relevant information available.

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13. Section 13. Disposal considerations:

13.1. Waste treatment methods:	
Product:	Must not be disposed together with household garbage. Do not allow product to reach sewage system. Dispose in safe manner in accordance with local/national regulation.
European waste catalogue:	08 01 11*
Uncleaned packagings:	Disposal must be made according to official regulations. European waste catalogue: 15 01 11*

14. Section 14. Transport information:

14.1. UN 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
Hazard label	2.1	
IMDG		
Class	2.1	
Hazard label	2.1	
IATA		
Class	2.1	
Hazard label	2.1	
14.4. Packing group:	ADR, IMDG, IATA	Void
14.5. Environmental hazards:	Marine pollutant:	No
14.6. Special precautions for user:	Warning:	Gases
	Danger Code (Kemler):	-
	EMS Number:	F-D, S-U
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:		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":		UN1950, AEROSOLS, 2.1

15. Section 15. Regulatory information:

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

Used legislation:
Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration,

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Evaluation, Authorisation and Restriction of Chemicals (REACH), as amended
Directive 67/548/EEC and Directive 1999/45/EC on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances, as amended
Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures (CLP), as amended
Regulation (EC) No 648/2004 of the European Parliament and of the Council on detergents, as amended

15.2. Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16. Section 16. Other information:

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.)

Relevant R-phrases and H-statements (Section 3):

- R10 Flammable.
- R11 Highly flammable.
- R12 Extremely flammable.
- R36 Irritating to eyes.
- R37 Irritating to respiratory system.
- R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R65 Harmful: May cause lung damage if swallowed.
- R66 Repeated exposure may cause skin dryness or cracking.
- R67 Vapours may cause drowsiness and dizziness.
- H220 Extremely flammable gas.
- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H228 Flammable solid.
- H280 Contains gas under pressure; may explode if heated.
- H304 May be fatal if swallowed and enters airways.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H411 Toxic to aquatic life with long lasting effects.

Abbreviations and acronyms:

- ADR Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- RID Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
- IMDG International Maritime Code for Dangerous Goods
- IATA International Air Transport Association
- ICAO International Civil Aviation Organization
- GHS Globally Harmonized System of Classification and Labelling of Chemicals
- EINECS European Inventory of Existing Commercial Chemical Substances
- CAS Chemical Abstracts Service (division of the American Chemical Society)
- OEL Occupational Exposure Limit
- WEL Workplace exposure limits
- BMGV Biological monitoring guidance values
- TWA Time-Weighted Average
- EC50 Effective concentration, 50 percent
- LC50 Lethal concentration, 50 percent
- LD50 Lethal dose, 50 percent
- DNEL Derived No-Effect Level
- PNEC Predicted No-Effect Concentration
- LOEC Lowest Observed Effect Concentration
- NOEC No Observed Effect Concentration
- PBT Persistent Bioaccumulative Toxic
- vPvB Very Persistent, Very Bioaccumulative
- VOC Volatile Organic Compounds

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MAL-Code Måleteknisk Arbejdshygiejnisk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark)

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

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

***Compared to the last version the data has been changed.**