

Date of issue: 22.12.2009	Trade name:	Page: 1/5
Reviewed on:	<b>INOX-SPRAY</b>	

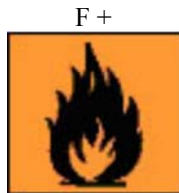
**1. Identification of substance, company:**

- 1.1. Identification of substance: **INOX SPRAY** – 1 35000  
 1.2. Application of the substance/the preparation: Coating compound/Surface coating/paint  
 1.3. Identification of manufacturer/Supplier:  
 RETECH, s.r.o.  
 Vackova 1541/4  
 150 00 Praha-5 Stodůlky  
 Telephone/Fax: +420 327 596 128, +420 596 428  
 Information: [info@retech.cz](mailto:info@retech.cz)  
 1.4. Telephone number for RETECH Suchdol 212, Suchdol u Kutné Hory  
 extraordinary situations: 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. Hazard identification:**

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

- 2.1. Hazard designation:



Extremely flammable



Irritant

- 2.2. Information pertaining to particular dangers for man and environment:

Extremely flammable  
 Irritating to eyes.  
 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
 Repeated exposure may cause skin dryness or cracking.  
 Vapours may cause drowsiness and dizziness.

- 2.3. Additional information:

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.  
 Buildup of explosive mixtures possible without sufficient ventilation.  
 Keep out of the reach of children.  
 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.

**3. Composition/information on ingredients:**

- 3.1. Description:  
 Mixture of the substances listed below with harmless additions.
- 3.2. Dangerous components:

Chemical name	Contents(%)	Number CAS	Number ES	Cautionary symbol	R sentences
Acetone	25-50	67-64-1	200-662-2	Xi, F	R 11-36-66-67
Isobutane	10-25	75-28-5	200-857-2	F+	R 12
Propane	10-25	74-98-6	200-827-9	F+	R 12

Date of issue: 22.12.2009	Trade name:	Page: 2/5
Reviewed on:	<b>INOX-SPRAY</b>	

Butane	2.5-10	106-97-8	203-448-7	F+	R 12
Solvent naphtha (petroleum), light arom. (contains less than 0.1% benzene)	2.5-10	64742-95-6	265-199-0	Xn, Xi, N	R 10-37-51/53-65-66-67
Ethyl acetate	2.5-10	141-78-6	205-500-4	Xi, F	R 11-36-66-67
2- methoxy-1-methylethyl acetate	2.5-10	108-65-6	203-603-9	-	R 10
aluminium powder (stabilized)	2.5-10	-	231-072-3	F	R 10-15
Naphtha (petroleum), hydrotreated heavy	≤2.5	64742-48-9	265-150-3	Xn	R 10-65-66
Xylene (mix)	2.5-10	1330-20-7	215-535-7	Xn, Xi	R 10-20/21-38

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

**4. First aid measures:**

- 4.1. After inhalation: Supply fresh air; consult doctor in case of symptoms.  
 4.2. After skin contact: Remove soaked clothing, wash with water and soap and rinse thoroughly.  
 4.3. After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.  
 4.4. After swallowing: Do not induce vomiting; call for medical help immediately.  
 4.5. General information: -

**5. Fire fighting measures:**

- 5.1. Suitable extinguishing agents: CO<sub>2</sub>, powder or alcohol resistant foam.  
 5.2. For safety reasons unsuitable extinguishing agents: Water with full jet.  
 5.3. Protective equipment: Wear self-contained respiratory protective device.  
 5.4. Special hazards caused by the material, its products of combustion or resulting gases: Can form explosive gas mixtures. Formation of toxic gases is possible during heating or in case of fire.  
 5.5. Additional information: Aerosols may explode when overheated. Cool the container with water. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

**6. Accidental release measures:**

- 6.1. Person-related safety precautions: Wear protective equipment see item 8.2. Keep unprotected person away. Ensure adequate ventilation, keep away from ignition sources.  
 6.2. Measures for environmental protection: Do not allow to reach sewage system or any water course. Inform respective authorities in case of seepage into water course or sewage system.  
 6.3. Measures for cleaning/collecting: Ensure adequate ventilation. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13.  
 6.4. Additional information: -

**7. Handling and storage:**

- 7.1. Handling:  
 Information for safe handling: Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care. Avoid contact with skin and eyes.  
 Information about protection against explosions and fires: Keep ignition sources away – Do not smoke. Protect against electrostatic charges. Pressurized container: protect from sunlight and do

Date of issue: 22.12.2009	Trade name:	Page: 3/5
Reviewed on:	<b>INOX-SPRAY</b>	

7.2.	<p>Storage:</p> <p>Requirements to be met by storerooms and containers:</p> <p>Information about storage in one common storage facility:</p> <p>Further information about storage conditions:</p>	<p>not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use. Do not spray onto a naked flame or any incandescent material.</p> <p>Store in cool location. Observe official regulations on storing packagings with pressurized containers. Not required.</p> <p>Store in cool, dry conditions in well sealed receptacles. Protect from heat and direct sunlight.</p>
<b>8. Exposure controls and personal protection:</b>		
8.1.	<p>Validate parameter:</p> <p>Components with limit values that require monitoring at the workplace:</p> <p>67-64-1 acetone WEL Short-term value: 3620 mg/m<sup>3</sup>, 1500 ppm Long-term value: 1210 mg/m<sup>3</sup>, 500 ppm</p> <p>106-97-8 butane WEL Short-term value: 1810 mg/m<sup>3</sup>, 750 ppm Long-term value: 1450 mg/m<sup>3</sup>, 600 ppm Carc. if more than 0.1% of buta-1.3-diene)</p> <p>1330-20-7 xylene (mix) WEL Short-term value: 441 mg/m<sup>3</sup>, 100 ppm Long-term value: 220 mg/m<sup>3</sup>, 50 ppm</p> <p>141-78-6 ethyl acetate WEL Short-term value: 400 ppm Long term value: 200 ppm</p> <p>108-65-6 2-methoxy-1-methylethyl acetate WEL Short term value: 548 mg/m<sup>3</sup>, 100 ppm Long term value: 274 mg/m<sup>3</sup>, 50 ppm</p> <p>Additional information: The lists that were valid during the compilation were used as basis.</p>	
8.2.	<p>Personal protective equipment:</p> <p>Eye protection:</p> <p>Breathing equipment:</p> <p>Protection of hands:</p> <p>Protection of skin:</p>	<p>Tightly sealed goggles.</p> <p>Use suitable respiratory protective device in case of insufficient ventilation. Recommended filter device for short term use – Filter AX.</p> <p>The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Material of gloves – Butyl rubber, BR; recommended thickness of material: ≥ 0.7 mm. Penetration time of glove material: ≥60 min. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.</p> <p>Protective working clothes.</p>
8.3.	<p>General protective and hygienic measures:</p>	<p>Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands during breaks and at the end of the work. Avoid contact with the eyes and skin. Do not inhale gases/fumes/aerosols.</p>
<b>9. Physical and chemical properties:</b>		
	<p>Form:</p> <p>Colour:</p> <p>Odour:</p>	<p>Aerosol</p> <p>Silver coloured</p> <p>Solvent-like</p>

Date of issue: 22.12.2009	Trade name:	Page: 4/5
Reviewed on:	<b>INOX-SPRAY</b>	

9.1.	Melting point/Melting range: Boiling point/Boiling range: Flash point: Inflammability (strength, gas form) Self-inflammability: Danger of explosion:  Explosion limits: lower (% Vol): upper (% Vol): Vapor pressure (at 20°C): Density at 20 °C Solubility in/Miscibility with - water	Not determined - Not applicable as aerosol. >200°C Product is not self igniting. Product is not explosive. However, formation of explosive air/steam mixtures is possible. - - - 0,7442 g/cm3 Not miscible or difficult to mix.
9.2.	Solvent content: Organic solvents: VOC:	92,3% 686,7 g/l
<b>10.</b>	<b>Stability and reactivity:</b>	
10.1.	Thermal decomposition/conditions to be avoided:	No decomposition if used according to specifications.
10.2.	Materials to be avoided:	-
10.3.	Dangerous reactions:	No dangerous reaction known.
10.4.	Dangerous products of decomposition:	Carbon dioxide and carbon monoxide.
<b>11.</b>	<b>Toxicological information:</b>	
11.1.	Acute toxicity: LD/LC50 values relevant for classification: 67-64-1 acetone Oral LD50 5800 mg/kg (rat) Dermal LD50 20000 mg/kg (rbt) 64742-95-6 Solvent naphtha (petroleum), light arom. Oral LD50 >6800 mg/kg (rat) Dermal LD50 >3400 mg/kg (rab) Inhalative LC50/4h >10.2 mg/l (rat) 1330-20-7 xylene (mix) Oral LD50 4300 mg/kg (rat) Dermal LD50 2000 mg/kg (rbt) Inhalative LC50/4h 6350 mg/l (rat)	
11.2.	Primary irritant effect: on the skin: on the eye: Sensitization: Additional toxicological information:	Long-term or repeated contact may cause skin irritation. Irritating effect. No sensitizing effects known. Vapours have narcotic effect.
<b>12.</b>	<b>Ecological information:</b> Water hazard class 2 (Self-assessment): hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system. Danger to drinking water even if small quantities leak into the ground. Harmful to aquatic organisms, harmful to fish.	
<b>13.</b>	<b>Disposal considerations:</b>	
13.1.	Product:	Must not be disposed together with household garbage. Do not allow product to reach sewage system.
13.2.	Uncleaned packagings:	Disposal must be made according to official regulations.

Date of issue: 22.12.2009	Trade name:	Page: 5/5
Reviewed on:	<b>INOX-SPRAY</b>	

**14. Transport information:**

- 14.1. Land transport:  
ADR/RID-GGVs/E class: 2 Gases.  
Number/Letter: 5F  
Danger code (Kemler): 23  
Number UN: 1950  
Description of goods: Aerosols  
Remark: „Limited quantities“ LQ2  
Tunnel restriction code: D
- 14.2. Maritime transport:  
IMDG-class: 2.1  
Number UN: 1950  
Packaging group: -  
EMS-group: F-D,S-U  
Marine pollutant: No  
Proper shipping name: Aerosols
- 14.3. Air transport:  
ICAO / IATA -class: 2.1  
UN/ID number: 1950  
Packaging group: -  
Proper shipping name: Aerosols, flammable

**15. Regulatory information:**

- 15.1. Labeling according to law line:  
The product has been labeled in accordance with EC Directives / relevant national laws.  
Danger of determining components and mark to labelling:  
67-64-1 – Acetone, 106-97-8 – Butane, 74-98-6 Propane

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after burn. Do not spray on a naked flame or any incandescent material.

Labelling hazardousness:



F+ - Extremely flammable



Xi - Irritant

Numbers and word reading associated hazard R-sentences :

- R 12 Extremely flammable.  
R 36 Irritating to eyes.  
R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R 66 Repeated exposure may cause skin dryness or cracking.  
R 67 Vapours may cause drowsiness and dizziness.

Numbers and word reading associated security S-sentences:

Date of issue: 22.12.2009	Trade name:	Page: 6/5
Reviewed on:	<b>INOX-SPRAY</b>	

- S 2 Keep out of reach of children.
- S 16 Keep away from sources of ignition – No smoking.
- S 23 Do not breathe vapours/aerosol.
- S 24/25 Avoid contact with skin and eyes.
- S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S 46 If swallowed, seek medical advice immediately and show this container or label.
- S 51 Use only in well-ventilated areas.
- S 56 Dispose of this material and its container at hazardous or special waste collection point.

Density: 0,744 g/cm<sup>3</sup>

VOC: 686,7 g/l

- 15.2. Used legislation:  
European Regulation (EC) No 1907/2006 – REACH  
European Regulation No 67/548EEC and 1999/45/EC

**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.

Relative R-phrases:

- R 10 Flammable.
- R 11 Highly flammable.
- R 12 Extremely flammable.
- R 15 In contact with water liberates extremely flammable gases.
- R 20/21 Harmful by inhalation and in contact with skin.
- R 36 Irritating to eyes.
- R 37 Irritating to respiratory system.
- R 38 Irritating to skin.
- R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R 65 Harmful: May cause lung damage if swallowed.
- R 66 Repeated exposure may cause skin dryness or cracking.
- R 67 Vapours may cause drowsiness and dizziness.