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Reviewed on:	GLUE SPRAY	

1. Identification of substance, company:

- 1.1. Identification of substance: **GLUE SPRAY - R 83530N (spray)**
 1.2. Application of the substance/the preparation: Universal glue.
 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
 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:

F +



Extremely flammable

Xi



Irritant

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

Extremely flammable
 Irritating to eyes and skin.
 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 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.
 Keep out of reach of children.
 Buildup of explosive mixtures possible without sufficient ventilation.
 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	10-30	67-64-1	200-662-2	Xi, F	R 11-36-66-67
Propane	10-30	74-98-6	200-827-9	F+	R 12
Butane	10-30	106-97-8	203-448-7	F+	R 12
Naphtha (petroleum) Hydrotreated light	10-25	64742-49-0	265-151-9	Xn, F, N	R 11-38-51/53-65-67

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(contains less than 0.1% benzene)					
Isobutane	5-10	75-28-5	200-857-2	F+	R 12

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: Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.
- 4.3. After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor. Make sure to remove any contact lenses from the eyes before rinsing.
- 4.4. After swallowing: Do not induce vomiting; Rinse mouth thoroughly with water and give large amounts of water to people not unconscious. Call for medical help immediately.
- 4.5. General information: -

5. Fire fighting measures:

- 5.1. Suitable extinguishing agents: CO₂, powder or water spray for or mist, dry chemicals sand, dolomite etc. Fight larger fires with water spray or alcohol resistant foam.
- 5.2. For safety reasons unsuitable extinguishing agents: Water with full jet.
- 5.3. Protective equipment: No special measures required.
- 5.4. Special hazards caused by the material, its products of combustion or resulting gases: -
- 5.5. Additional information: Aerosols may explode when overheated. Cool the container with water.

6. Accidental release measures:

- 6.1. Person-related safety precautions: Wear protective equipment see item 8.2. Keep unprotected person away.
- 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).
- 6.4. Additional information: Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Keep out of confined spaces because of explosion risk. If leakage cannot be stopped, evacuate area.

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 spilling, skin and eye contact. But respiratory protection must be used if the general level exceeds the Recommended Workplace Exposure Limit, use chemical cartridge protection with appropriate cartridge.
- 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 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

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7.2. Storage:	incandescent material.
Requirements to be met by storerooms and containers:	Store in cool location. Observe official regulations on storing packagings with pressurized containers. Do not store together with strong acids, strong oxidising agents and strong mineral acids.
Information about storage in one common storage facility:	No required.
Further information about storage conditions:	Store in cool, dry conditions in well sealed receptacles. Protect from heat and direct sunlight.

8. Exposure controls and personal protection:

8.1. Validate parameter:	
Components with limit values that require monitoring at the workplace:	
67-64-1 acetone (EU)	
OES Short-term value: -	
Long-term value: 1210 mg/m ³ , 500 ppm	
106-97-8 butane (GB)	
OES Short-term value: 1810 mg/m ³ , 750 ppm	
Long-term value: 1450 mg/m ³ , 600 ppm	
74-98-6 propane (GB)	
OES Long-term value: 1800 mg/m ³ , 1000 ppm	
64742-49-0 Naphtha (petroleum) – Long-term value: 315 ppm	
75-28-5 isobutane (GB)	
OES Short-term value: 600 ppm	
Long-term value: 800 ppm	
Additional information:	The lists that were valid during the compilation were used as basis.
8.2. Personal protective equipment:	
Eye protection:	Tightly sealed goggles or face shield.
Breathing equipment:	In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device. Use suitable respiratory protective device in case of insufficient ventilation.
Protection of hands:	Protective gloves
Protection of skin:	Protective working clothes.
8.3. General protective and hygienic measures:	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. Ensure good ventilation/exhaustion at the workplace.

9. Physical and chemical properties:

Form:	Aerosol
Colour:	Yellow
Odour:	After solvent (Acetone)
9.1. Melting point/Melting range:	Not determined
Boiling point/Boiling range:	Not applicable, as aerosol.
Flash point:	-17°C
Inflammability (strength, gas form)	Not applicable, as aerosol.
Self-inflammability:	Product is not self igniting.
Danger of explosion:	Product is not explosive. However, formation of explosive air/steam mixtures is possible.
Explosion limits: lower (% Vol):	0.8
upper (% Vol)	9.0
Vapor pressure (at 20°C):	Not determined

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9.2.	Density at 20 °C Solubility in/Miscibility with - water Solvent content:	0.820 g/cm ³ Insoluble in water. -
10.	Stability and reactivity:	
10.1.	Thermal decomposition/conditions to be avoided:	No decomposition if used according to specifications.
10.2.	Materials to be avoided:	Strong oxidising agents. Strong alkalis. Strong mineral acids.
10.3.	Dangerous reactions:	No dangerous reaction known.
10.4.	Dangerous products of decomposition:	Fire creates: Vapours/ gases/ fumes of: Carbon monoxide (CO). Carbon dioxide (CO ₂).
11.	Toxicological information:	
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) 106-97-8 Butan Inhalative LC50/4h 658 mg/l (rat)	
11.2.	Primary irritant effect: on the skin: on the eye: Sensitization: Additional toxicological information:	Irritant to skin. Prolonged or repeated exposure may cause severe irritation. Acts as defatting agent on skin. May cause cracking of skin, and eczema. May cause allergic contact eczema. Irritating effect. May cause chemical eye burns. No sensitizing effects known. Inhalation: May cause irritation to the respiratory system. Vapours may cause headache, fatigue, dizziness and nausea. Prolonged inhalation of high concentrations may damage respiratory system. Irritating to respiratory system. Ingestion: May cause discomfort if swallowed. May cause stomach pain or vomiting. Gastrointestinal symptoms, including upset stomach.
12.	Ecological information: Water hazard class 2 (Self-assessment): hazardous for water. Do not allow product to reach ground water, water bodies or sewage system.	
13.	Disposal considerations:	
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.
14.	Transport information:	
14.1.	Land transport: ADR/RID-GGVs/E class: Number/Letter: Danger code (Kemler): Number UN: Description of goods:	2 Gases. 5F 23 1950 Aerosols
14.2.	Maritime transport:	

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IMDG-class:	2.1
Page:	-
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:

74-98-6/106-97-8 Propane/Butane, 67-64-1 – Acetone, 64742-49-0 Naphtha (petroleum), hydrotreated light

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 36/38 Irritating to eyes and skin.

R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 67 Vapours may cause drowsiness and dizziness.

Numbers and word reading associated security S-sentences:

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 37/39 Wear suitable protective clothing and eye/face protection.

S 38 In case of insufficient ventilation, wear suitable respiratory equipment.

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.

15.2. Used legislation:

European Regulation (EC) No 1907/2006 – REACH

European Regulation (EC) No 1272/2008 (CLP)

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 11 Highly flammable.

R 12 Extremely flammable.

R 36 Irritating to eyes.

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- 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.