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

- 1.1. Product identifier: **NEON TOP COLOUR 1 35015/016/017/019**
- 1.2. Relevant identified uses of the substance or mixture and uses advised against: Marking paint
- 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](mailto: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:**

- 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.
- 2.1. Classification of the substance or mixture:  
Classification according to Regulation (EC) No 1272/2008:  
Flam. Aerosol 1 H222 Extremely flammable aerosol.
- Classification according to Directive 67/548/EEC or Directive 1999/45/EC:  
F+ Extremely flammable R12 Extremely flammable.
- 2.2. Label elements:  
Labelling according to Regulation (EC) No 1272/2008:  
GHS02  
  
H222 Extremely flammable aerosol.
- Labelling according to Directive 1999/45/EC:  
F+  
  
Extremely flammable  
R12 Extremely flammable.
- Special labeling of certain preparations:  
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.
- 2.3. Other hazards:  
Results of PBT and vPvB assessment:  
PBT: Not applicable

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vPvB: Not applicable  
Buildup of explosive mixtures possible without sufficient ventilation.

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

3.2. Mixtures:

Description: The active ingredient in propellants

Dangerous components:

CAS: 64742-48-9 EINECS: 265-150-3	Naphtha (petroleum), hydrotreated heavy; (contains less than 0.1% benzene) Xn R65 GHS08 Asp. Tox.1, H304	25-50%
CAS: 74-98-6 EINECS: 200-827-9	Propane F+ R12 GHS02 Flam. Gas 1, H220; GHS04 Press. Gas, H280	10-25%
CAS: 106-97-8 EINECS: 203-448-7	Butane (containing <0,1% butadiene (203-450-8)) F+ R12 GHS02 Flam. Gas 1, H220; GHS04 Press. Gas, H280	10-25%
CAS: 141-78-6 EINECS: 205-500-4	Ethylacetate F R11; Xi R36; R66-67 GHS02 Flam.Liq. 2, H225; GHS07 Eye Irrit. 2, H319, STOT SE 3 H336, EUH066	5-10%
CAS: 123-86-4 EINECS: 204-658-1	Butylacetate R10-66-67 GHS02 Flam. Liq. 3, H226; GHS07 STOT SE 3 H336, EUH066	2,5-<5%

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

**4. Section 4. First aid measures:**

4.1. Description of first aid measures:

After inhalation: Supply fresh air; consult doctor in case of symptoms. In case of unconsciousness place patient stably in side position for transportation.

After skin contact: Remove soaked clothing, wash with water and soap and rinse thoroughly.

After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

After swallowing: Do not induce vomiting; call for medical help immediately.

Most important symptoms and effects, both acute and delayed: No further relevant information available.

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: CO<sub>2</sub>, extinguishing powder or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents: Water, Water with full jet.

Special hazards arising from the substance or mixture:

In case of fire CO may be possible.

5.2. Advice for firefighters:

Wear protective equipment/clothing when fighting fires.

Aerosols may explode when overheated. Cool the container with water.

**6. Section 6. Accidental release measures:**

6.1. Personal precautions, protective equipment and emergency procedures:

Wear protective equipment see Section 8.2. Keep unprotected person away. Ensure adequate ventilation, keep away from ignition sources.

6.2. Environmental precautions:

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- Do not allow to reach sewage system or any water course 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.  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose of contaminated material as waste according to Section 13. Do not flush with water or aqueous cleansing agents.
- 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. Information for safe handling: Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care.  
Information about protection against explosions and fires: Do not spray onto a naked flame or any incandescent material.  
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.  
Do not pierce or burn, even after use.
- 7.2. Conditions for safe handling, including any incompatibilities:  
Requirements to be met by storerooms and containers: Store in cool location.  
Observe official regulations on storing packaging with pressurized containers.  
Information about storage in one common storage facility: Not required.  
Further information about storage conditions: Keep receptacle tightly sealed.  
Do not seal receptacle gas tight.  
Store in cool, dry conditions in well sealed receptacles.  
Protect from heat and direct sunlight.
- 7.3. Specific end use(s): No further relevant information available.

**8. Section 8. Exposure controls and personal protection:**

- 8.1 Control parameters:  
Components with limit values that require monitoring at the workplace:  
106-97-8 butane (containing < butadiene (203-450-8))  
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)  
141-78-6 Ethylacetate  
WEL Short-term value: 400 ppm  
Long-term value: 200 ppm  
123-86-4 Butylacetate  
WEL Short-term value: 966 mg/m<sup>3</sup>, 200 ppm  
Long-term value: 724 mg/m<sup>3</sup>, 150 ppm  
Additional information: The lists that were valid during the compilation were as basis.
- 8.2 Exposure controls:  
Breathing equipment: Not required, but ensure adequate ventilation when using the product.  
Eye protection: Tightly safety goggles.  
Protection of hands: Solvent resistant gloves.  
Selection of glove material on consideration of the penetration times, rates of diffusion and the degradation  
Material of gloves: Nitrile rubber, NBR  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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8.3 Protection of skin: Protective clothing  
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. Do not inhale gases/fumes/aerosols.

**9. Section 9. Physical and chemical properties:**

9.1. Information on basic physical and chemical properties:

Appearance:  
form: Aerosol  
colour: According to product specification.  
Odour threshold: Characteristic  
Value pH: Not determined  
Melting point/freezing point: Undetermined  
Initial boiling point/boiling range: Not applicable, as aerosol  
Flash point: Not applicable, as aerosol  
Evaporation rate: Not applicable  
Flammability (solid,gas): Not applicable, as aerosol  
Explosive properties: Product is not explosive. However, formation of explosive air/steam mixtures is possible.  
  
Upper/lower flammability or explosive limits:  
Explosion limits: lower (% Vol): 0.6  
upper (% Vol): 10.9  
Vapour pressure (at 20°C): 8300 hPa  
Vapour density (at 20 °C): Not determined  
Relative density: 0.83 g/cm<sup>3</sup>  
Solubility in/miscibility with  
- water Not determined  
Not miscible or difficult to mix.  
Partition coefficient (n-octanol/water): Not determined  
Auto-ignition temperature: Not determined  
Decomposition temperature: Not determined  
Viscosity: Not determined  
Oxidative properties: Not determined  
9.2. Other information:  
VOC: 684g/l

**10. Section 10. Stability and reactivity:**

10.1. Reactivity: No further relevant information available.  
10.2. Chemical stability: No further relevant information available.  
10.3. Possibility of hazardous reactions: No dangerous reactions known.  
10.4. Conditions to avoid: There are known no conditions to avoid.  
10.5. Incompatible materials: There are known no incompatible materials.  
10.6. Hazardous products of decomposition: No dangerous decomposition products known.

**11. Section 11. Toxicological information:**

11.1 Information on toxicological effects:  
Acute toxicity:  
LD/LC50 values relevant for classification:  
64742-48-9 Naphtha (petroleum), Hydrotreated heavy  
Oral LD50 >5000mg/kg (rat)  
Dermal LD50 >3000 mg/kg (rat)  
Irritation: on the skin: No irritating effect.  
on the eye: No irritating effect.  
Corrosivity: Not corrosive.  
Sensitization: No sensitizing effect known.

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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: No data.

**12. Section 12. Ecological information:**

Water hazard class 2 (Self-assessment): hazardous for water.  
 Do not allow undiluted product to reach ground water, water course or sewage system.  
 Danger to drinking water if even small quantities leak into the ground.

12.1. 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: Not applicable  
 12.6. Other adverse effects: No further relevant information available.

**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.  
 Uncleaned packagings: Disposal must be made according to official regulations.

**14. Section 14. Transport information:**

14.1. Land transport:  
 ADR/RID-GGVS/E class: 2 5F Gases  
 Danger code (Kemler): -  
 Packaging group: -  
 Hazard label: 2.1  
 Number UN: 1950  
 Limited quantities (LQ) LQ2  
 Transport category 2  
 Tunnel restriction code D  
 Description of goods: Aerosols

14.2. Maritime transport:  
 IMDG-class: 2.1  
 Number UN: 1950  
 Label: 2.1  
 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  
 Label: 2.1  
 Packaging group: -  
 Proper shipping name: Aerosols, flammable  
 Special precautions for users - Waring: Gases  
 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

**15. Section 15. Regulatory information:**

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture:  
 Labelling according to law line:

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The product has been labeled in accordance with EC Directives / relevant national laws.

Danger of determining components and mark to labelling:

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

Numbers and word reading associated hazard R-sentences :

R 12 Extremely flammable.

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/spray.

S 24/25 Avoid contact with skin and eyes.

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.

On the packaging there is not included info in accordance with European Regulation No 1999/45/EC (chapter 2.5.).

Used legislation:

European Regulation (EC) No 1907/2006 – REACH.

Commission Regulation (EU) No 453/2010.

European Regulation No 67/548EEC and 1999/45/EC.

Commission Regulation (EC) No 1272/2006 – CLP.

Commission Regulation (EC) No 790/2009.

Regulation (EC) No 648/2004 (detergents).

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.

### Relative R+H phrases:

R 10 Flammable.

R 11 Highly flammable.

R 12 Extremely flammable.

R 36 Irritating to eyes.

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.

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.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

EUH066 Repeated exposure may cause skin dryness or cracking.

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## 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

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

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

WEL- Workplace exposure limits

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

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