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## Material Safety Data Sheet

Regulation EC No 1907/2006 Art.31

**Productname :** TUNER 600                      **Creationdate :** 18.09.09  
**Ref.Nr.:** AB27180-3-180909                      **Replaces:** 31.10.07

## 1. IDENTIFICATION OF PRODUCT AND COMPANY

**Productname :** TUNER 600  
Aerosol

**Application :** Cleaners - Precision

**Company :** CRC Industries Europe bvba  
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## 2. HAZARD IDENTIFICATION

**Health and Safety :** Extremely Flammable  
Irritating to skin.  
Vapours may cause drowsiness and dizziness.  
Remark: Preparations classified as harmful on the basis of an aspiration hazard need not be labelled as harmful with R65 when placed on the market in aerosol containers or in containers fitted with a sealed spray attachment. (EU-Directive 67/548)

## Annex VI 9.4)

**Environment :**

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Other hazards :**

Pressurised 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. Without adequate ventilation formation of explosive mixtures may be possible.

**3. COMPOSITION AND INFORMATION ON COMPONENTS**

Hazardous ingredient	CAS-nr	EINECS	w/w %	symbol	R-phrases*	Notes
pentane	109-66-0	203-692-4	30-60	F+,Xn,N	12-51/53-65-66-67	A
carbon dioxide	124-38-9	204-696-9	5-10	-	-	A,G
Naphtha (petroleum), hydrotreated light (benzene<0.1%)	64742-49-0	265-151-9	30-60	F,Xn,N	11-38-51/53-65-67	B,P
<b>Explanation notes</b>						
A : substance with Community workplace exposure limit						
B : substance with national established workplace exposure limit						
G : exempted from the obligation to register in accordance with art.2(7) (a)of REACH Regulation No 1907/2006						
P : not classified as carcinogen, less than 0.1% w/w benzene (Einecs-nr. 200-753-7)						

Note H and P of Annex I (67/548/EEC) apply for the naphtha's in this product.

(\* Explanation risk-phrases : see chapter 16)

**4. FIRST AID MEASURES****General Advice :**

The usual precautions for handling chemicals should be observed  
If any symptoms should occur, seek medical advice.

**Contact with eyes :**

If substance has got into eyes, immediately wash out with plenty of water

**Contact with skin :**

Remove contaminated clothing immediately and drench affected skin with plenty of water. Then wash with soap and water  
Seek medical advice

**Inhalation :**

Fresh air, keep warm and at rest.  
Seek medical attention if ill effects occur

**Ingestion :** Ingestion is unlikely to occur  
If swallowed do not induce vomiting because of risk of aspiration into the lungs. If aspiration is suspected obtain immediate medical attention

## 5. FIRE-FIGHTING MEASURES

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**Flash point (without propellant):** < 0 °C (Closed Cup)  
**Explosion limits : upper limit :** 7.8 %  
**lower limit :** 1.1 %  
**Extinguishing media :** foam, carbon dioxide or dry agent  
**Fire-fighting procedures :** Keep container(s) exposed to fire cool, by spraying with water  
**Unusual exposure hazard :** Aerosols may explode if heated above 50°C

## 6. ACCIDENTAL RELEASE MEASURES

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**Personal precautions :** Shut off all ignition sources  
Ensure adequate ventilation  
Wear suitable protective clothing and gloves.  
**Environmental precautions :** Do not allow to enter public sewers and watercourses  
If polluted water reaches drainage systems or water courses, immediately inform appropriate authorities  
**Cleaning methods :** Absorb spillage in suitable inert material

## 7. HANDLING AND STORAGE

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**Handling procedures :** Use only in well ventilated areas  
Keep away from heat and sources of ignition  
Do not spray on a naked flame or incandescent material.  
Do not pierce or burn aerosols, even after use.  
Do not breathe aerosols or vapours.  
Avoid contact with skin and eyes.  
**Storage procedures :** Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50°C.  
Keep in a cool, dry, well ventilated place  
Keep out of reach of children.

## 8. EXPOSURE CONTROL AND PERSONAL PROTECTION

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**Control procedures :** Ensure adequate ventilation  
Keep away from heat and sources of ignition  
Take precautionary measures against static discharges  
**Personal protection :** It is advisable to take precautions to avoid contact with skin and eyes when handling the product.  
Use only in well ventilated areas  
**inhalation :** In case of insufficient ventilation, wear suitable respiratory equipment.

(Filter type AX)

**hands and skin :** Wear suitable protective gloves  
(nitrile)

**eyes :** Wear safety goggles.

**Exposure limits :**

Hazardous ingredient	CAS-nr	method	
<b>EU established exposure limits:</b>			
pentane	109-66-0	TWA	1000 ppm
carbon dioxide	124-38-9	TWA	5000 ppm

**9. PHYSICAL AND CHEMICAL PROPERTIES (for aerosols without propellant)**

**Apperance : physical state :** Liquid under pressure  
**colour :** colorless  
**odour :** solvent  
**Boiling point/range :** 40-65 °C  
**Relative density :** 0.645 g/cm<sup>3</sup> (@ 20°C)  
**pH :** not applicable  
**Vapour pressure :** 38 kPa (at 20 °C)  
**Relative vapour density :** > 1 (@ 20°C)  
**Solubility in water :** Insoluble in water  
**Flash point :** < 0 °C (Closed Cup)  
**Auto-ignition :** >200 °C  
**Evaporation rate :** 1 (Ether=1)

**10. STABILITY AND REACTIVITY**

**Conditions to be avoided :** Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50°C. Keep away from heat and sources of ignition  
**Materials to be avoided :** Strong oxidising agent  
**Hazardous decomposition compounds :** CO,CO<sub>2</sub>

**11. TOXICOLOGICAL INFORMATION**

**Inhalation :** Excessive inhalation of solvent vapours may give rise to nausea, headaches and dizziness  
**Ingestion :** Ingestion is unlikely to occur  
 After vomiting of swallowed product aspiration into lungs is likely. Solvents may induce chemical pneumonia.  
**Skin contact :** Irritating to skin

**12. ECOLOGICAL INFORMATION**

**Other adverse effects :** Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
 Do not allow to enter public sewers and watercourses

### 13. WASTE DISPOSAL

**Product :** Do not empty into drains.  
This material and its container must be disposed of in a safe way.  
Disposal should be in accordance with local, state or national legislation

### 14. TRANSPORT

**UN-number :** 1950  
**Road/Rail - ADR/RID :** UN1950 Aerosols Class : 2, PG : NA, Class code : 5F, Label : 2.1, Tunnel-code : (B/D)  
**Sea - IMDG :** UN1950 Aerosols, flammable Class : 2.1, PG : NA, Label : 2.1  
**EmS** F-D, S-U  
**Air - IATA/ICAO :** UN1950 Aerosols, flammable Class : 2.1, PG : NA, Label : RFG  
**Packing instr. LQ** Y203  
**PAX** 203  
**CAO** 203

### 15. REGULATORY INFORMATION

**Warning symbol(s) :** F+ : EXTREMELY FLAMMABLE  
Xi : IRRITANT  
N : DANGEROUS FOR THE ENVIRONMENT

**Risk-phrase(s) :** R38: Irritating to skin.  
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R67: Vapours may cause drowsiness and dizziness.

**Safety-phrase(s) :** S2: Keep out of the reach of children.  
S16: Keep away from sources of ignition - No smoking.  
S23: Do not breathe vapours/spray.  
S35: This material and its container must be disposed of in a safe way.  
S51: Use only in well-ventilated areas.

Pressurised 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. Without adequate ventilation formation of explosive mixtures may be possible.

Classified according to Dir. 2008/47/EC amendment of the aerosol dispenser directive 75/324/EEC.

Classification according to EU-directive 99/45/EC

Remark: Preparations classified as harmful on the basis of an aspiration hazard need not be labelled as harmful with R65 when placed on the market in aerosol containers or in containers fitted with a sealed spray attachment. (EU-Directive 67/548 Annex VI 9.4)

**Regulation (EC) No 648/2004 on detergents:** aliphatic hydrocarbons > 30 %

## 16. OTHER INFORMATION

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This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation.

The information contained herewith is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It does not guarantee any specific properties.

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**REVISIONS IN CHAPTRE :**

2,15

**\*Explanation risk-phrases:**

R11: Highly flammable.

R38: Irritating to skin.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65: Harmful: may cause lung damage if swallowed.

R67: Vapours may cause drowsiness and dizziness.

This Material Safety Data Sheet may already have been revised at this moment for reason such as legislation, availability of components and newly acquired experiences. The latest and only valid version of this Material Safety Data Sheet will be sent to you upon simple request or can be found on our website : [www.crcind.com](http://www.crcind.com). We recommend you to register on this website for this product so you will be able to receive any future updated version automatically.