

Productname : Tuner 600
 Ref.Nr.: BDS000269_3_20130702 (EN)

Creationdate : 02.07.13 Version : 2.0
 Replaces: BDS000269_20121018

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Tuner 600
 Aerosol

1.2. Relevant identified uses of the substance or mixture and uses advised against

Cleaners - Precision

1.3. Details of the supplier of the safety data sheet

CRC Industries Europe bvba
 Touwslagerstraat 1
 9240 Zele
 Belgium
 Tel.: +32(0)52/45.60.11
 Fax.: +32(0)52/45.00.34
 E-mail : hse@crcind.com

| Subsidiaries | | Tel | Fax |
|---------------------------------|---|-------------------|------------------|
| CRC Industries Finland Oy | Laurinkatu 57 A 23 B, 08100 Lohja | +358/(19)32.921 | +358/(19)383.676 |
| CRC Industries France | 6, avenue du marais, C.S. 90028, 95102 Argenteuil Cedex | 01.34.11.20.00 | 01.34.11.09.96 |
| CRC Industries Deutschland GmbH | Südring 9, D-76473 Iffezheim | (07229) 303.0 | (07229)30 32 66 |
| CRC INDUSTRIES IBERIA S.L.U. | GREMIO DEL CUERO-PARC.96, POLIGONO INDUSTRI. DE HONTORIA, 40195 SEGOVIA | 0034/921.427.546 | 0034/921.436.270 |
| CRC Industries Sweden | Kryptogatan 14, 431 53 Mölndal | 0046/31 706 84 80 | 0046/31 27 39 91 |

1.4. Emergency telephone number

CRC Industries Europe, Belgium: Tel.: +32(0)52/45.60.11 (office hours)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Physical: Aerosols, category 1
 Extremely flammable aerosol.



Productname : Tuner 600 **Creationdate :** 02.07.13 Version : 2.0
Ref.Nr.: BDS000269_3_20130702 (EN) **Replaces:** BDS000269_20121018

Health: Pressurised container: May burst if heated.
 Skin irritation, category 2
 Causes skin irritation.
 Specific target organ toxicity - single exposure, category 3
 May cause drowsiness or dizziness.

Environment: Hazardous to the aquatic environment, chronic category 2
 Toxic to aquatic life with long lasting effects.

Other hazards : None

Classification according to 67/548/EEC or 1999/45/EC:

Health: R38: Irritating to skin.
 R67: Vapours may cause drowsiness and dizziness.




Physical: EXTREMELY FLAMMABLE

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

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

Product identifier: Contains:
 hydrocarbons

Hazard pictogram(s):   

Signal word: Danger

Hazard statement(s): H222 : Extremely flammable aerosol.
 H229 : Pressurised container: May burst if heated.
 H315 : Causes skin irritation.
 H336 : May cause drowsiness or dizziness.
 H411 : Toxic to aquatic life with long lasting effects.

Precautionary statement(s): 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.
 P261 : Avoid breathing dust/fume/gas/mist/vapours/spray.
 P271 : Use only outdoors or in a well-ventilated area.
 P410/412 : Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
 P501-2 : Dispose of contents/container to an authorised waste collection point.

Supplemental Hazard information: None

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

Productname : Tuner 600
 Ref.Nr.: BDS000269_3_20130702 (EN)

Creationdate : 02.07.13 Version : 2.0
 Replaces: BDS000269_20121018

2.3. Other hazards

None

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable.

3.2. Mixtures

| Hazardous ingredient | CAS-nr. | EC-nr | w/w % | symbol | R-phrases* | Notes |
|---|------------|-----------|-------|---------|-------------------|-------|
| pentane | 109-66-0 | 203-692-4 | 25-50 | F+,Xn,N | 12-51/53-65-66-67 | A |
| Naphtha (petroleum), hydrotreated light | 64742-49-0 | 931-254-9 | 25-50 | F,Xn,N | 11-38-51/53-65-67 | B,P |
| carbon dioxide | 124-38-9 | 204-696-9 | 5-10 | - | - | A,G |

Explanation notes

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)

| Hazardous ingredient | Registration number | CAS-nr. | EC-nr | w/w % | Hazard Class and Category | Hazard statement | Notes |
|---|---------------------|------------|-----------|-------|--|--------------------------|-------|
| pentane | 01-2119459286-30 | 109-66-0 | 203-692-4 | 25-50 | Flam. Liq. 2, Asp. Tox. 1, STOT SE 3, Aquatic Chronic 2 | H225,H304,H336,H411 | A |
| Naphtha (petroleum), hydrotreated light | 01-2119484651-34 | 64742-49-0 | 931-254-9 | 25-50 | Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2 | H225,H315,H336,H304,H411 | B,P |
| carbon dioxide | | 124-38-9 | 204-696-9 | 5-10 | Press. Gas | H280 | A,G |

Explanation notes

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)

(* Explanation phrases : see chapter 16)

SECTION 4: First aid measures

4.1. Description of first aid measures

Contact with eyes : If substance has got into eyes, immediately wash out with plenty of water
 If eye irritation persists: Get medical advice/attention.

Contact with skin : Take off contaminated clothing and wash before reuse.
 IF ON SKIN: Wash with plenty of soap and water.



Productname : Tuner 600
Ref.Nr.: BDS000269_3_20130702 (EN)

Creationdate : 02.07.13 Version : 2.0
Replaces: BDS000269_20121018

| | |
|---------------------|--|
| Inhalation : | If skin irritation occurs: Get medical advice/attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. |
| Ingestion : | If swallowed do not induce vomiting because of risk of aspiration into the lungs. If aspiration is suspected obtain immediate medical attention |

4.2. Most important symptoms and effects, both acute and delayed

| | |
|-----------------------|--|
| Inhalation : | Excessive inhalation of solvent vapours may give rise to nausea, headaches and dizziness |
| Ingestion : | After vomiting of swallowed product aspiration into lungs is likely. Solvents may induce chemical pneumonia. Symptoms : sore throat, abdominal pain, nausea, vomiting |
| Skin contact : | Irritating to skin Symptoms : redness and pain |
| Eye contact : | May cause irritation. Symptoms : redness and pain |

4.3. Indication of any immediate medical attention and special treatment needed

| | |
|-------------------------|--|
| General Advice : | If you feel unwell, seek medical advice (show the label where possible If symptoms persist always call a doctor |
|-------------------------|--|

SECTION 5: Firefighting measures

5.1. Extinguishing media

foam, carbon dioxide or dry agent

5.2. Special hazards arising from the substance or mixture

Aerosols may explode if heated above 50°C
Forms hazardous decomposition products
CO,CO2

5.3. Advice for firefighters

Keep container(s) exposed to fire cool, by spraying with water
In case of fire, do not breathe fumes

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Shut off all ignition sources



Productname : Tuner 600
Ref.Nr.: BDS000269_3_20130702 (EN)

Creationdate : 02.07.13 Version : 2.0
Replaces: BDS000269_20121018

Ensure adequate ventilation
Wear suitable protective clothing and gloves.

6.2. Environmental precautions

Do not allow to enter public sewers and watercourses

6.3. Methods and material for containment and cleaning up

Absorb spillage in suitable inert material

6.4. Reference to other sections

For further information see section 8

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Keep away from heat and sources of ignition
Take precautionary measures against static discharges
Equipment should be earthed
Use explosion-proof electrical/ventilating/lighting/.../equipment.
Use only non-sparking tools.
Do not breathe aerosols or vapours.
Ensure adequate ventilation
Avoid contact with skin and eyes.
Wash thoroughly after use
Wear protective gloves/protective clothing/eye protection/face protection.

7.2. Conditions for safe storage, including any incompatibilities

Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50°C.
Keep out of reach of children.

7.3. Specific end use(s)

Cleaners - Precision

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits :



Productname : Tuner 600
Ref.Nr.: BDS000269_3_20130702 (EN)

Creationdate : 02.07.13 Version : 2.0
Replaces: BDS000269_20121018

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

8.2. Exposure controls

| | |
|----------------------------------|--|
| Control procedures : | Ensure adequate ventilation Keep away from heat and sources of ignition Take precautionary measures against static discharges |
| Personal protection : | Take precautions to avoid contact with skin and eyes when handling the product. Ensure adequate ventilation |
| inhalation : | In case of insufficient ventilation, wear suitable respiratory equipment. Air purifying respirator equipped with organic gas/vapor cartridge (type A or AX) |
| hands and skin : | Wear suitable protective gloves against chemicals (nitrile) |
| eyes : | Wear safety goggles. |
| Environmental protection: | Avoid release to the environment. Collect spillage. |

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

(for aerosols data for the product without propellant)

| | |
|---|-----------------------------------|
| Apperance : physical state : | Liquid under pressure. |
| colour : | Colorless. |
| odour : | Solvent. |
| pH : | Not applicable. |
| Boiling point/range : | 40-65 °C |
| Flash point : | < 0 °C (Closed Cup) |
| Evaporation rate : | 1 (Ether=1) |
| Explosion limits : upper limit : | 7.8 % |
| lower limit : | 1.1 % |
| Vapour pressure : | 38 kPa (at 20 °C) |
| Relative density : | 0.645 g/cm ³ (@ 20°C). |
| Solubility in water : | Insoluble in water |
| Auto-ignition : | >200 °C |

9.2. Other information

VOC: 635 g/l

SECTION 10: Stability and reactivity



Productname : Tuner 600
Ref.Nr.: BDS000269_3_20130702 (EN)

Creationdate : 02.07.13 Version : 2.0
Replaces: BDS000269_20121018

10.1. Reactivity

No hazardous reactions known if used for its intended purpose

10.2. Chemical stability

Stable

10.3. Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose

10.4. Conditions to avoid

Avoid overheating

10.5. Incompatible materials

Strong oxidising agent

10.6. Hazardous decomposition products

CO,CO2

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | |
|-----------------------|--|
| Inhalation : | Inhalation of solvent vapours may give rise to nausea, headaches and dizziness |
| Ingestion : | After vomiting of swallowed product aspiration into lungs is likely. Solvents may induce chemical pneumonia. |
| Skin contact : | Irritating to skin |
| Eye contact : | May cause irritation. |

Toxicological data :

| Hazardous ingredient | CAS-nr. | method | |
|---|------------|-----------------|--------------|
| pentane | 109-66-0 | LD50 oral rat | > 5000 mg/kg |
| | | LD50 derm.rabit | > 3000 mg/kg |
| Naphtha (petroleum), hydrotreated light | 64742-49-0 | LD50 oral rat | > 5000 mg/kg |
| | | LC50 inhal.rat | > 20 mg/l |
| | | LD50 derm.rabit | > 3000 mg/kg |



Productname : Tuner 600
Ref.Nr.: BDS000269_3_20130702 (EN)

Creationdate : 02.07.13 Version : 2.0
Replaces: BDS000269_20121018

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, chronic category 2
Toxic to aquatic life with long lasting effects.

Ecotoxicological data:

| Hazardous ingredient | CAS-nr. | method | |
|---|------------|--------------|-----------|
| Naphtha (petroleum), hydrotreated light | 64742-49-0 | IC50 algae | 55 mg/l |
| | | LC50 fish | > 1 mg/l |
| | | EC50 daphnia | 3.87 mg/l |

12.2. Persistence and degradability

No experimental data available

12.3. Bioaccumulative potential

No experimental data available

12.4. Mobility in soil

Insoluble in water

12.5. Results of PBT and vPvB assessment

No information available

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product : This material and its container must be disposed of in a safe way.
Do not discharge into drains or the environment, dispose to an authorised waste collection point.

Contaminated packaging : Disposal should be in accordance with local, state or national legislation

SECTION 14: Transport information



Productname : Tuner 600
Ref.Nr.: BDS000269_3_20130702 (EN)

Creationdate : 02.07.13 Version : 2.0
Replaces: BDS000269_20121018

14.1. UN number

UN-number : 1950

14.2. UN proper shipping name

Proper shipping name: AEROSOLS (naphta, pentane)

14.3. Transport hazard class(es)

Class: 2.1
ADR/RID - Classification code: 5F

14.4. Packing group

Packing group: Not applicable.

14.5. Environmental hazards

ADR/RID - Environmentally hazardous: Yes
IMDG - Marine pollutant: Marine pollutant
IATA/ICAO - Environmentally hazardous: Yes

14.6. Special precautions for user

ADR/RID - Tunnelcode: (D)
IMDG - Ems: F-D, S-U
IATA/ICAO - PAX: 203
IATA/ICAO - CAO: 203

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

The Safety Data Sheet is compiled according to the current European requirements.
Dir. 2013/10/EU, 2008/47/EC amendment of the aerosol dispenser directive 75/324/EEC.
Regulation (EC) No 1907/2006 (REACH)
EU-directive 99/45/EC
Regulation (EC) No 1272/2008 (CLP)



Productname : Tuner 600
Ref.Nr.: BDS000269_3_20130702 (EN)

Creationdate : 02.07.13 Version : 2.0
Replaces: BDS000269_20121018

15.2. Chemical safety assessment

No information available

SECTION 16: Other information

*Explanation risk-phrases: R11: Highly flammable.
R12: Extremely flammable.
R38: Irritating to skin.
R65: Harmful: may cause lung damage if swallowed.
R66: Repeated exposure may cause skin dryness or cracking.
R67: Vapours may cause drowsiness and dizziness.
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

*Explanation hazard statements: H225 : Highly flammable liquid and vapour.
H280 : Contains gas under pressure; may explode if heated.
H304 : May be fatal if swallowed and enters airways.
H315 : Causes skin irritation.
H336 : May cause drowsiness or dizziness.
H411 : Toxic to aquatic life with long lasting effects.

REVISIONS IN CHAPTRE : 2.2. Label elements

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.

Apart from any fair dealing for purposes of study, research and review of health, safety and environmental risks, no part of these documents may be reproduced by any process without written permission from CRC.