

ALEC TIRANTI LIMITED

TOOLS, MATERIALS & EQUIPMENT FOR MODELLING, CARVING, SCULPTURE
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Material Safety Data Sheet

Formula 5

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

1.1. **Product identifier** Formula 5 Aerosol

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

Release Agents

1.3. **Details of the supplier of the safety data sheet**

CRC Industries UK Ltd.
Ambersil House - Wylds Road
Castlefield Industrial Estate
TA6 4DD
Bridgwater
Somerset
United Kingdom
Tel.: +44 1278 727200
Fax.: +44 1278 425644
E-mail : hse.uk@crcind.com

1.4. **Emergency telephone number** (+44)(0)1278 72 7200 SECTION

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.
Pressurised container: May burst if heated.

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

EXTREMELY FLAMMABLE

Xi : IRRITANT

N : DANGEROUS FOR THE ENVIRONMENT

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

Physical: R12: Extremely flammable. 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, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane



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.

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
Hydrocarbons,C3-4-rich, petroleum distillate Petroleumgas (1,3-butadiene < 0.1%)	68512-91-4	270-990-9	30-60	F+	12	K,G
Hydrocarbons, C6-C7, n-alkanes,isoalkanes,cyclics,< 5% n-hexane	-	921-024-6	30-60	F,Xn,N	11-38-51/53-65-67	B

Explanation notes

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
K : not classified as carcinogen, less than 0.1% w/w 1,3-butadiene (Einecs-nr. 203-450-8)

Hazardous ingredient	Registration number	CAS-nr.	EC-nr	w/w %	Hazard Class and Category	Hazard statement	Notes
Hydrocarbons,C3-4-rich, petroleum distillate Petroleumgas (1,3-butadiene < 0.1%)	-	68512-91-4	270-990-9	30-60	Press. Gas, Flam. Gas 1	H280,H220	K,G
Hydrocarbons, C6-C7, n-alkanes,isoalkanes,cyclics,< 5% n-hexane	01-2119475514-35	-	921-024-6	30-60	Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp., Tox. 1, Aquatic Chronic 2	H225,H315,H336 H304,H411	B

Explanation notes

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
K : not classified as carcinogen, less than 0.1% w/w 1,3-butadiene (Einecs-nr. 203-450-8)

(* 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. If skin irritation occurs: Get medical advice/attention.

Inhalation : 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. 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) Release Agents

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits : No information available

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. In all cases handle and use the product in accordance with good industrial hygiene practices. Ensure adequate ventilation

inhalation : In case of insufficient ventilation, wear suitable respiratory equipment.

recommended respiratory protection: Air purifying respirator equipped with organic gas/vapor cartridge (type A)

hands and skin : When handling the product wear chemical-resistant gloves (standard EN 374). Use a reusable glove with a minimum breakthrough time of 30 minutes. The breakthrough time of the glove should be longer than the total duration of product use. If work lasts longer than the breakthrough time, gloves should be changed part-way through.

Recommended gloves: 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)

Appearance : physical state : Propane/butane propelled liquid.

colour : Colorless.

odour : Characteristic odor.

pH : Not applicable.

Boiling point/range : 63 °C

Flash point : - 26 °C

Evaporation rate : Not available.

Explosion limits : upper limit : 9.4 %

lower limit : 1.1 %

Vapour pressure : Not available.

Relative density : 0.679 g/cm³ (@ 20°C).

Solubility in water : Insoluble in water

Auto-ignition : > 200 °C

Viscosity : Not available.

9.2. Other information

VOC: 608 g/l

SECTION 10: Stability and reactivity

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

Information on likely routes of exposure:

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
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane	-	LD50 oral rat > 5000 mg/kg
LC50 inhal.rat		> 25000 mg/m ³
LD50 derm.rat		> 2000 mg/kg

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
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane	-	LC50 fish > 10 mg/l
EC50 daphnia		3 mg/l

12.2. Persistence and degradability

No information available

12.3. Bioaccumulative potential

No information 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

No information available

SECTION 14: Transport information**14.1. UN number**

UN-number : 1950

14.2. UN proper shipping name

Proper shipping name: AEROSOLS (naphta's)

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. EU-directive 99/45/EC Regulation (EC) No 1272/2008 (CLP) Regulation (EC) No 1907/2006 (REACH)

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.
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:

H220 : Extremely flammable gas.
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.

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.

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