

Productname : FORMULA 6
Ref.Nr.: UDS000471_3_20150316 (EN)

Creationdate : 16.03.15 Version : 1.0
Replaces: UDS000471_20120613

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

1.1. Product identifier

FORMULA 6
Bulk

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 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Physical:	Flammable liquid, category 2 Highly flammable liquid and vapour.
Health:	Aspiration Hazard Category 1 May be fatal if swallowed and enters airways. 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.

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

Productname :	FORMULA 6	Creationdate :	16.03.15 Version : 1.0
Ref.Nr.:	UDS000471_3_20150316 (EN)	Replaces:	UDS000471_20120613

F : HIGHLY FLAMMABLE





Xn : HARMFUL

N : DANGEROUS FOR THE ENVIRONMENT

Health:	R38: Irritating to skin. R65: Harmful: may cause lung damage if swallowed. R67: Vapours may cause drowsiness and dizziness.
Physical:	R11: Highly flammable.
Environment:	R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Other hazards :	Not classified

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

Product identifier:	Contains: Hydrocarbons, C7, n-alkanes, isoalkanes, cyclic
Hazard pictogram(s):	   
Signal word:	Danger
Hazard statement(s):	H225 : Highly flammable liquid and vapour. 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.
Precautionary statement(s):	P101 : If medical advice is needed, have product container or label at hand. P102 : Keep out of reach of children. P210 : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P271 : Use only outdoors or in a well-ventilated area. P301/310 : IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P331 : Do NOT induce vomiting. P405 : Store locked up. 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

Productname : FORMULA 6
Ref.Nr.: UDS000471_3_20150316 (EN)

Creationdate : 16.03.15 Version : 1.0
Replaces: UDS000471_20120613

Hazardous ingredient	CAS-nr.	EC-nr	w/w %	symbol	R-phrases*	Notes
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclic	-	927-510-4	60-100	F,Xn,N	11-38-51/53-65-67	B
ethanol; ethyl alcohol	64-17-5	200-578-6	1-5	F	11	B
methanol	67-56-1	200-659-6	0-1	F,T	11-23/24/25-39/23/24/25	A

Explanation notes

A : substance with Community workplace exposure limit

B : substance with national established workplace exposure limit

Hazardous ingredient	Registration number	CAS-nr.	EC-nr	w/w %	Hazard Class and Category	Hazard statement	Notes
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclic	01-2119475515-33	-	927-510-4	60-100	Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2	H225,H315,H336,H304,H411	B
ethanol; ethyl alcohol	01-2119457610-43	64-17-5	200-578-6	1-5	Flam. Liq. 2	H225	B
methanol		67-56-1	200-659-6	0-1	Flam. Liq. 2, Acute Tox. 3, Acute Tox. 3, Acute Tox. 3, STOT SE 1	H225,H331,H311,H301,H370	A

Explanation notes

A : substance with Community workplace exposure limit

B : substance with national established workplace exposure limit

(* 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 water for at least 15 minutes Seek medical attention if irritation persists
Contact with skin :	Remove contaminated clothing immediately and wipe affected skin with dry cloth. Then wash with soap and water Seek medical attention if irritation persists
Inhalation :	Fresh air, keep warm and at rest. Seek medical attention if ill effects occur
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 :	Mildly irritating to eyes Symptoms : redness and pain

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

Productname : FORMULA 6
Ref.Nr.: UDS000471_3_20150316 (EN)

Creationdate : 16.03.15 Version : 1.0
Replaces: UDS000471_20120613

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

May form explosive vapour/air mixtures
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 including eye/face protection.

6.2. Environmental precautions

Do not allow to enter public sewers and watercourses
If polluted water reaches drainage systems or water courses, immediately inform appropriate authorities

6.3. Methods and material for containment and cleaning up

Absorb spillage in suitable inert material
Place in appropriate container
This material and/or its container must be disposed of as hazardous waste.

6.4. Reference to other sections

For further information see section 8

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Productname : FORMULA 6
Ref.Nr.: UDS000471_3_20150316 (EN)
Creationdate : 16.03.15 Version : 1.0
Replaces: UDS000471_20120613

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

Keep container tightly closed, in a cool, well ventilated place.
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 :

Hazardous ingredient	CAS-nr.	method	
EU established exposure limits:			
methanol	67-56-1	TWA	200 ppm
National established exposure limits, United Kingdom			
ethanol; ethyl alcohol	64-17-5	TWA	1000 ppm
methanol	67-56-1	TWA	200 ppm
		STEL	250 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.
hands and skin :	Wear suitable protective gloves against chemicals
Recommended gloves:	Nitrile
eyes :	Wear safety goggles.

SECTION 9: Physical and chemical properties

Productname : FORMULA 6
Ref.Nr.: UDS000471_3_20150316 (EN)

Creationdate : 16.03.15 Version : 1.0
Replaces: UDS000471_20120613

9.1. Information on basic physical and chemical properties

Apperance : physical state : Liquid.
colour : Colorless.
odour : Solvent.
pH : Not applicable.
Boiling point/range : 77 °C
Flash point : - 4 °C
Explosion limits : upper limit : 19 %
lower limit : 1.1 %
Relative density : 0.730 g/cm3 (@ 20°C).
Solubility in water : Insoluble in water
Auto-ignition : > 200 °C
Viscosity : Not available.

9.2. Other information

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

Productname : FORMULA 6
Ref.Nr.: UDS000471_3_20150316 (EN)
Creationdate : 16.03.15 Version : 1.0
Replaces: UDS000471_20120613

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	
ethanol; ethyl alcohol	64-17-5	LD50 oral rat	> 2000 mg/kg
		LD50 derm.rabit	> 2000 mg/kg
Hydrocarbons, C7, n-alkanes,isoalkanes, cyclic	-	LD50 oral rat	> 5000 mg/kg
		LC50 inhal.rat	> 20 mg/l
		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	
ethanol; ethyl alcohol	64-17-5	LC50 fish	> 100 mg/l
Hydrocarbons, C7, n-alkanes,isoalkanes, cyclic	-	IC50 algae	10-30 mg/l
		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

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Ref.Nr.: UDS000471_3_20150316 (EN)

Creationdate : 16.03.15 Version : 1.0
Replaces: UDS000471_20120613

No information available

12.6. Other adverse effects

No information available

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.

National regulations : Disposal should be in accordance with local, state or national legislation

SECTION 14: Transport information

14.1. UN number

UN-number : 1993

14.2. UN proper shipping name

Proper shipping name: FLAMMABLE LIQUID, N.O.S. (heptanes, ethanol)

14.3. Transport hazard class(es)

Class: 3
ADR/RID - Classification code: F1

14.4. Packing group

Packing group: II

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/E)
IMDG - Ems: F-E, S-E
IATA/ICAO - PAX: 353

Productname :	FORMULA 6	Creationdate :	16.03.15 Version : 1.0
Ref.Nr.:	UDS000471_3_20150316 (EN)	Replaces:	UDS000471_20120613

IATA/ICAO - CAO 364

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.

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. R38: Irritating to skin. R65: Harmful: may cause lung damage if swallowed. R67: Vapours may cause drowsiness and dizziness. R23/24/25: Toxic by inhalation, in contact with skin and if swallowed. R39/23/24/25: Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed. 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. H301 : Toxic if swallowed. H304 : May be fatal if swallowed and enters airways. H311 : Toxic in contact with skin. H315 : Causes skin irritation. H331 : Toxic if inhaled. H336 : May cause drowsiness or dizziness. H370 : Causes damage to organs . 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.

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