

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : GET OFF CRYSTAL
Revision date : 14/02/2017
Print date : 15/02/2017

Version : 1.0.0

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

1.1 Product identifier

GET OFF CRYSTAL

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

Repellent for cat and dog.

1.3 Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor) Blumen International Ltd

Street : Units A-C Townsend Industrial Estate, Portland Close

Postal code/city : Houghton Regis

Telephone : +44 1582 211588/ 0845 643 9715

Telefax : XXXXX

Information contact : Customer@blumen-uk.com

1.4 Emergency telephone number

World antipoison centres: <http://apps.who.int/poisoncentres/>
National Poisons Information Service (Birmingham Unit): 844 892 0111

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Aquatic Chronic 3 ; H412 - Hazardous to the aquatic environment : Category 3 ; Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard statements

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P273 Avoid release to the environment.

P501 Dispose of contents/container in accordance with national regulations.

Special rules for supplemental label elements for certain mixtures

EUH208 Contains 3,7-dimethyl-6-octen-1-ol ; 3,7-dimethyl-(E)-2,6-octadienol. May produce an allergic reaction.

2.3 Other hazards

None.

SECTION 3: Composition / information on ingredients

3.2 Mixtures

Hazardous ingredients

Undecan-2-one (methyl nonyl ketone) ; EC No. : 203-937-5; CAS No. : 112-12-9

Weight fraction : 1,5 - 2 %

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Classification 1272/2008 [CLP] : Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410

3,7-dimethyl-6-octen-1-ol ; EC No. : 203-376-6; CAS No. : 106-23-0

Weight fraction : 0,5 - 1 %

Classification 1272/2008 [CLP] : Skin Irrit. 2 ; H315 Skin Sens. 1 ; H317 Eye Irrit. 2 ; H319

3,7-dimethyl-(E)-2.6-octadienol ; EC No. : 203-377-1; CAS No. : 106-24-1

Weight fraction : 0,1 - 0,5 %

Classification 1272/2008 [CLP] : Eye Dam. 1 ; H318 Skin Irrit. 2 ; H315 Skin Sens. 1 ; H317

Additional information

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

Following inhalation

Remove victim out of the danger area. Provide fresh air. When in doubt or if symptoms are observed, get medical advice.

In case of skin contact

Remove contaminated, saturated clothing immediately. Rinse immediately with plenty of water and soap. In case of skin irritation, consult a physician.

After eye contact

Rinse immediately with plenty of water, with eyelids open. Remove contact lenses, if present, and rinse eyes with water at least for 15 minutes. If irritation persists, seek medical attention.

After ingestion

Rinse mouth with water, without swallowing. Seek medical attention or call a Poison Center immediately. Never give anything by mouth to an unconscious person or a person with cramps, if not authorized by a physician. Do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

See section 11.

4.3 Indication of any immediate medical attention and special treatment needed

Call a Poison Center.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO₂), extinguishing powder, water haze, foam.

Unsuitable extinguishing media

Full water jet. Water is inappropriate to extinguish fire, but it is suitable to cool down the containers exposed to the flames.

5.2 Special hazards arising from the substance or mixture

Toxic and irritant gases such as carbon oxide (CO), carbon dioxide (CO₂) and nitrogen oxides may be released by thermal combustion. Avoid breathing gases. Exposure to combustion and decomposition products may be dangerous for health.

5.3 Advice for firefighters

Always wear full fire-protection equipment. If it is safe, remove the products from the fire area or cool down the containers by means full water jets to prevent pressure rise inside the containers. Collect fire-extinction water, which should not be dumped into drains. Avoid contact with product or its container without suitable protective equipment.

Special protective equipment for firefighters

Fire resistant equipment such as self-contained breathing apparatus (EN 137), fire-resistant coverall (EN 469), fire-

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resistant gloves (EN 659) and firemen boots.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with eyes and skin. Block the access to contaminated areas. Do not stand against the wind. Wear gloves and safety goggles and protective mask.

For non-emergency personnel

Keep away people not involved in the emergency operation. Contact the emergency staff on duty or the Fire Department.

For emergency responders

Comply with the internal emergency plan. Wear suitable protection equipment (protective clothing mask, gloves, goggles) to prevent contamination of skin, eyes and personal clothing.

6.2 Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. If the product has reached a waterway, the sewage system or has contaminated soil or vegetation, advise local competent Authorities.

6.3 Methods and material for containment and cleaning up

For containment

Collect the spillage product with non-sparking tools into containers for recovery or disposal.

For cleaning up

The contaminated area should be immediately cleaned with water or cleaning agent. Retain contaminated washing water and dispose it. Provide adequate ventilation.

6.4 Reference to other sections

Further information regarding individual protection and disposal is given at paragraphs 8 and 13.

SECTION 7: Handling and storage



When using do not eat, drink, smoke.

7.1 Precautions for safe handling

Recommended safety equipment is reported at paragraph 8. After contact with skin, wash immediately with water and soap.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep in a cool, well-ventilated place. Keep away from heat, sun-light and humidity.

Hints on joint storage

Keep away from

Keep away from food, drinks and animal feeding stuff.

Further information on storage conditions

Keep container tightly closed and in a well-ventilated place. Keep locked up and out of reach of children. Keep/Store only in original container.

7.3 Specific end use(s)

Recommendation

The product user is responsible for any damage resulting from improper use.

SECTION 8: Exposure controls/personal protection

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8.1 Control parameters

None.

8.2 Exposure controls

Appropriate engineering controls

If local exhaust ventilation is not possible or not sufficient, the entire working area must be ventilated by technical means.

Personal protection equipment



Eye/face protection

Suitable eye protection

Wear safety goggles (EN 166).

Skin protection

Hand protection

Wear suitable protective gloves (DIN EN 374). Replace in case of internal contamination, break or if external contamination cannot be removed. Wash hands before eating, drinking or smoking.

Body protection

Wear suitable protective clothing.

Respiratory protection

Respiratory protection tool is not usually required.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : solid

Colour : green

Odour : characteristic

Safety relevant basis data

Melting point/melting range :	(1013 hPa)	No data available
Freezing point :	(1013 hPa)	No data available
Initial boiling point and boiling range :	(1013 hPa)	No data available
Decomposition temperature :	(1013 hPa)	No data available
Flash point :		No data available
Ignition temperature :		No data available
Lower explosion limit :		No data available
Upper explosion limit :		No data available
Vapour pressure :	(50 °C)	No data available
Density :	(20 °C)	No data available
Relative density :	(20 °C)	No data available
pH :		No data available
log P O/W :		No data available
Viscosity :	(20 °C)	No data available
Odour threshold :		No data available
Relative vapour density :	(20 °C)	No data available
Evaporation rate :		No data available

9.2 Other information

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None.

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under recommended storage and handling conditions(See section 7).

10.2 Chemical stability

The product is stable if stored under normal ambient temperature and pressure conditions.

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to avoid

To prevent degradation, do not expose to high temperatures or frost.

10.5 Incompatible materials

Oxidising agent.

10.6 Hazardous decomposition products

The burning of the product may release toxic gasses dangerous for the human health.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute effects

Acute oral toxicity

Parameter : LD50 (Undecan-2-one (methyl nonyl ketone) ; CAS No. : 112-12-9)
Exposure route : Oral
Species : Rat
Effective dose : > 5000 mg/kg

Acute dermal toxicity

Parameter : LD50 (Undecan-2-one (methyl nonyl ketone) ; CAS No. : 112-12-9)
Exposure route : Dermal
Species : Rat
Effective dose : > 2000 mg/kg

Irritant and corrosive effects

Primary irritation to the skin

Available data show no specific hazards.

Irritation to eyes

Available data show no specific hazards.

Irritation to respiratory tract

Available data show no specific hazards.

Sensitisation

In case of skin contact

Available data show no specific hazards.

In case of inhalation

Available data show no specific hazards.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

SECTION 12: Ecological information

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Do not allow uncontrolled discharge of product into the environment.

12.1 Toxicity

Aquatic toxicity

Acute (short-term) fish toxicity

Parameter : LC50 (Undecan-2-one (methyl nonyl ketone) ; CAS No. : 112-12-9)
Species : Acute (short-term) fish toxicity
Effective dose : 3 mg/l
Exposure time : 96 h

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

12.6 Other adverse effects

No information available.

12.7 Additional ecotoxicological information

None.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product/Packaging disposal

Dispose of waste according to applicable legislation. Do not allow to enter into surface water or drains.

Waste treatment options

Appropriate disposal / Product

Dispose according to legislation.

SECTION 14: Transport information

14.1 UN number

No dangerous goods in sense of this transport regulation.

14.2 UN proper shipping name

No dangerous goods in sense of this transport regulation.

14.3 Transport hazard class(es)

No dangerous goods in sense of this transport regulation.

14.4 Packing group

No dangerous goods in sense of this transport regulation.

14.5 Environmental hazards

No dangerous goods in sense of this transport regulation.

14.6 Special precautions for user

None.

SECTION 15: Regulatory information

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15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU legislation

The classification was elaborated according to the calculation method of the Regulation (EC) No. 1272/2008 [CLP].
Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) and amendments: Regulation (CE) No. 453/2010 and regulation (CE) No. 830/2015. Labelling according to Regulation (EC) No. 1272/2008 [CLP].

15.2 Chemical Safety Assessment

No information available.

SECTION 16: Other information

16.1 Indication of changes

None.

16.2 Abbreviations and acronyms

LEGENDA:

ADR:	Accord européen relative au transport international des marchandises dangereuses par route
ASTM:	ASTM International, originariamente nota come American Society for Testing and Materials (ASTM)
EINECS:	European Inventory of Existing Commercial Chemical Substances
EC50:	Effective Concentration 50
LC50:	Lethal Concentration 50
IC50:	Inhibitor Concentration 50
NOEL:	No Observed Effect Level
DNEL:	Derived No Effect Level
DMEL:	Derived Minimum Effect Level
CLP:	Classification, Labelling and Packaging
CSR:	Chemical Safety Report
LD50:	Lethal Dose 50
IATA:	International Air Transport Association
ICAO:	International Civil Aviation Organization
Codice IMDG:	International Maritime Dangerous Goods code
PBT:	Persistent, bioaccumulative and toxic
RID:	Règlement concernant le transport International ferroviaire des marchandises Dangereuses
STEL:	Short term exposure limit
TLV:	Threshold limit value
TWA:	Time Weighted Average
UE:	European Union
vPvB:	Very persistent very bioaccumulative
N.D.:	No data available.
N.A.:	Not applicable
VwVwS.:	Text of Administrative Regulation on the Classification of Substances hazardous to waters into Water Hazard Classes (Verwaltungsvorschrift wassergefährdende Stoffe – VwVwS)

16.3 Key literature references and sources for data

Data taken from the Safety Data Sheets of Suppliers.

16.4 Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]

The classification was carried out according to the calculation method of the Regulation (EC) No. 1272/2008 [CLP].

16.5 Relevant H- and EUH-phrases (Number and full text)

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.

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H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

16.6 Training advice

None.

16.7 Additional information

None.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.
