

Safety Data Sheet

Trade name: KRONES celerol DG 7800

Current version : 1.0.1, issued: 25.11.2022

Replaced version: 1.0.0, issued: 22.07.2022

Region: USA

SECTION 1: Identification

1.1 Product identifier

Trade name

KRONES celerol DG 7800

1.2 Recommended use of the chemical and restrictions on use

Recommended use of the chemical and restrictions on use

Cleaner

Restrictions on use

No data available.

1.3 Details of the supplier of the safety data sheet

Address

KRONES INC.
9600 SOUTH 58TH STREET
PO BOX 321801
Franklin

WI 53132-6241

Telephone no. 001-414-409-4000
Fax no. 001-414-409-4140
e-mail sales@kronesusa.com

1.4 Emergency phone number

+1 866 928 0789 (Toll free)

SECTION 2: Hazard(s) identification

2.1 Classification of the chemical

Classification of the chemical in accordance with paragraph (d) of 29 CFR § 1910.1200 "Hazard Communication"

Flammable Aerosols - Category 1
Aspiration Hazard - Category 1

2.2 Label elements

Pictogram(s)



Signal word

Danger

Hazard Statement(s)

Physical hazards Extremely flammable aerosol

Precautionary Statement(s)

Prevention	Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. If swallowed: Immediately call a poison center/doctor- Do NOT induce vomiting.
Response	Store locked up.
Storage	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations

2.3 Labelling information

No data available

2.4 Hazards not otherwise classified (HNOC)

No data available

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SECTION 3: Composition / information on ingredients

3.1 Substances

Not applicable. The product is not a substance.

3.2 Mixtures

Hazardous ingredients

No	Substance name	Concentration	%
	CAS no.		
1	ethanol		
	64-17-5	>= 25.00 - < 50.00	%-b.w.
2	propane		
	74-98-6	>= 10.00 - < 25.00	%-b.w.
3	butane		
	106-97-8	>= 10.00 - < 25.00	%-b.w.
4	NAPHTHA (PETROLEUM), HYDROTREATED HEAVY		
	64742-48-9	>= 10.00 - < 25.00	%-b.w.
5	isobutane		
	75-28-5	>= 10.00 - < 25.00	%-b.w.
6	propan-2-ol		
	67-63-0	< 5.00	%-b.w.

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General information

Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing. In case of persisting adverse effects, consult a physician.

After inhalation

Remove affected persons from dangerous area by observing suitable respiratory protection measures. Ensure supply of fresh air. In case of persisting adverse effects, consult a physician.

After skin contact

In case of contact with skin wash off with water. Consult a doctor if skin irritation persists.

After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Get medical attention if pain still persists.

After ingestion

Rinse mouth thoroughly with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms

Frostbite; Dizziness

Effects

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media

Carbon dioxide; Water spray jet; Extinguishing powder; Fight large fires with directed water spray or Alcohol-resistant foam

Unsuitable extinguishing media

Full water jet

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5.2 Specific hazards arising from the chemical

In the event of fire, the following can be released: Carbon monoxide and carbon dioxide; Bursting aerosol cans can be launched out of a fire with great force.

5.3 Special protective equipment and precautions for fire-fighters

Do not inhale explosion and/or combustion byproducts. Cool closed containers exposed to fire with water. Use self-contained breathing apparatus. Wear protective clothing. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations. Closed containers may rupture when exposed to extreme heat.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Refer to protective measures listed in sections 7 and 8. Ensure adequate ventilation. Keep away from ignition sources.

For emergency responders

Personal protective equipment (PPE) - see Section 8.

6.2 Methods and materials for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in suitable container for disposal. Collect mechanically.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Precautions for safe handling

Risks inherent to handling the product must be minimised by applying appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances. Do not pierce or burn, even after use.

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Do not inhale vapours. Avoid contact with eyes and skin. Wash hands before breaks and after work. Remove contaminated clothing and shoes and launder thoroughly before reusing.

Advice on protection against fire and explosion

Keep away from sources of ignition - refrain from smoking. Isolate from sources of heat, sparks and open flame.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep container tightly closed and dry in a cool, well-ventilated place. Protect from heat and direct sunlight. Storage temperature may not exceed 50°C (=122°F).

Recommended storage temperature

Value max. 50 °C

Requirements for storage rooms and vessels

Containers which are opened must be carefully resealed and kept upright to prevent leakage. Always keep in containers of same material as the original.

Incompatible products

Substances to be avoided: see chapter 10.

SECTION 8: Exposure controls / personal protection

8.1 Control parameters

Occupational exposure limit(s)

No	Substance name	CAS no.
1	ethanol	64-17-5
ACGIH Threshold Limit Values		
Ethanol		
	STEL	1000 ppm
	Remarks	A3

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	OSHA Permissible Exposure Limits (PELS)			
	Ethyl alcohol			
	TWA	1900	mg/m³	1000 ppm
2	propane	74-98-6		
	ACGIH Threshold Limit Values			
	Propane			
	TWA	(D, EX)		
	Remarks	Simple asphyxiant (D); Explosion hazard (EX); see Appendix F: Minimal Oxygen Content		
	OSHA Permissible Exposure Limits (PELS)			
	Propane			
	TWA	1800	mg/m³	1000 ppm
3	butane	106-97-8		
	ACGIH Threshold Limit Values			
	Butane, isomers			
	STEL	1000 (EX) ppm		
4	isobutane	75-28-5		
	ACGIH Threshold Limit Values			
	Butane, isomers			
	STEL	1000 (EX) ppm		
5	propan-2-ol	67-63-0		
	ACGIH Threshold Limit Values			
	2-Propanol			
	STEL	400 ppm		
	TWA	100 ppm		
	Remarks	A4; BEI		
	OSHA Permissible Exposure Limits (PELS)			
	Isopropyl alcohol			
	TWA	980	mg/m³	400 ppm

8.2 Exposure controls

Appropriate engineering controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the PEL (=Permissible Exposure Limit), suitable respiratory protection must be worn.

Individual protection measures, such as personal protective equipment

Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

Respirator AX/P2

Eye / face protection

Safety glasses with side protection shield

Hand protection

Sufficient protection is given wearing suitable protective gloves in the event of risk of skin contact with the product. Before use, the protective glove should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material NBR
Material thickness >= 0.38 mm
Breakthrough time >= 480 min

Other protection measures

Chemical-resistant work clothes.

SECTION 9: Physical and chemical properties

Form/Color

Gas type; Aerosol

colorless

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Odor			
characteristic			
Odor threshold			
No data available			
pH value			
No data available			
Boiling point / boiling range			
Value	78 °C		
Melting point / melting range			
No data available			
Decomposition point / decomposition range			
No data available			
Flash point			
Value	< -60 °C		
Method	DIN 51755		
Ignition temperature			
Value	min. 200 °C		
Method	DIN 51794		
Auto-ignition temperature			
No data available			
Oxidising properties			
No data available			
Explosive properties			
No data available			
Flammability			
No data available			
Lower flammability or explosive limits			
No data available			
Upper flammability or explosive limits			
No data available			
Vapor pressure			
No data available			
Vapor density			
No data available			
Evaporation rate			
No data available			
Relative density			
No data available			
Density			
Value	0.82	g/cm³	
Reference temperature	15	°C	
Method	DIN 51757		
Solubility in water			
Remarks	partly soluble		
Solubility(ies)			
No data available			
Partition coefficient: n-octanol/water			
No data available			

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Viscosity

No data available

Other information

Other information

No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

Dangerous reactions are not expected if the product is handled according to its intended use.

10.2 Chemical stability

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

10.3 Possibility of hazardous reactions

Dangerous reactions are not to be expected when handling product according to its intended use.

10.4 Conditions to avoid

Heat, open flames and other sources of ignition.

10.5 Incompatible materials

strong oxidising agents; strong acids; strong bases

10.6 Hazardous decomposition products

None, if handled according to intended use.

SECTION 11: Toxicological information

Information on toxicological effects

Acute oral toxicity

No	Substance name	CAS no.
1	ethanol	64-17-5
LD50		10470 mg/kg bodyweight
Species	rat	
Method	OECD 401	
Source	ECHA	

Acute dermal toxicity

No	Substance name	CAS no.
1	ethanol	64-17-5
LD50	>	2000 mg/kg bodyweight
Species	rabbit	
Method	OECD 402	
Source	Manufacturer	

Acute inhalational toxicity

No	Substance name	CAS no.
1	ethanol	64-17-5
LC50	117 - 125	mg/l
Duration of exposure	4	h
State of aggregation	Vapor	
Species	rat	
Method	OECD 403	
Source	ECHA	

Skin corrosion/irritation

No data available

Serious eye damage/irritation

No	Substance name	CAS no.
1	propan-2-ol	67-63-0
Species	rabbit	
Method	OECD 405	

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Source Evaluation	ECHA Irritating to eyes
Respiratory or skin sensitisation	
No	Substance name
1	ethanol
CAS no.	
64-17-5	
Route of exposure	respiratory tract
Source Evaluation	ECHA non-sensitizing
Germ cell mutagenicity	
No data available	
Reproduction toxicity	
No data available	
Carcinogenicity	
No data available	
NTP Report on Carcinogens (RoC)	
According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) listed "known" (to be a human carcinogen) or "RAHC" (reasonably anticipated to be a human carcinogen).	
OSHA Standards listing cancer as a health effect (Table VII.6.2)	
According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) listed as carcinogenic.	
IARC Monographs on the Evaluation of Carcinogenic Risks to Humans	
The product contains following substance(s) classified by the IARC Monographs	
No	Substance name
1	propan-2-ol
CAS no.	
67-63-0	
Group	
3	
STOT - single exposure	
No data available	
STOT - repeated exposure	
No data available	
Aspiration hazard	
No data available	

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish (acute)			
No	Substance name	CAS no.	
1	ethanol	64-17-5	
LC50		14200	mg/l
Duration of exposure		96	h
Species	Pimelphales promelas		
Method	US EPA E03-05		
Source	ECHA		
2	NAPHTHA (PETROLEUM), HYDROTREATED HEAVY	64742-48-9	
LC50		2200	mg/l
Duration of exposure		96	h
Species	Pimelphales promelas		
Source	supplier		
Toxicity to fish (chronic)			
No data available			
Toxicity to Daphnia (acute)			
No	Substance name	CAS no.	
1	ethanol	64-17-5	

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EC50	>	10000	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	DIN 38412 T.11		
Source	supplier		

Toxicity to Daphnia (chronic)

No data available

Toxicity to algae (acute)

No data available

Toxicity to algae (chronic)

No data available

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Other adverse effects

No data available.

12.6 Other information

Other information

Do not discharge product unmonitored into the environment.

SECTION 13: Disposal considerations

13.1 Disposal considerations

Product

Dispose in accordance with federal, state and local regulations.

Packaging

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in accordance with federal, state and local regulations.

SECTION 14: Transport information

14.1 US DOT (Department of Transportation)

Transport hazard class	2.1
UN/NA number	UN1950
UN proper shipping name	Aerosols
Label code(s)	2.1

14.2 Transport IMDG

Class	2
UN number	UN1950
Proper shipping name	AEROSOLS
EmS	F-D, S-U
Label	2.1

14.3 Transport ICAO-TI / IATA

Class	2.1
UN number	UN1950
Proper shipping name	Aerosols, flammable
Label	2.1

14.4 Other information

No data available.

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14.5 Environmental hazards

Information on environmental hazards, if relevant, pls. see 14.1 - 14.3.

14.6 Special precautions for user

No data available.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant

SECTION 15: Regulatory information

15.1 US Federal Regulations

Toxic Substances Control Act (TSCA)

According to the data available and/or specifications supplied by upstream suppliers, all components of this product are on the TSCA Inventory or are exempted from notification requirements.

CERCLA (Comprehensive Environmental Response, Compensation and Liability Act)

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) that are considered being subject to Table 302.4 "List of Hazardous Substances and Reportable Quantities".

Clean Air Act (CAA): Hazardous Air Pollutants (HAPS)

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) that are considered being "Hazardous Air Pollutants".

Clean Water Act (CWA) Section 307 (Toxic Pollutants) and Section 311 (Hazardous Substances)

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) that are considered to be "Hazardous Substances".

EPCRA SARA Section 313, Toxic Chemical Release Inventory

The product contains following substance(s) that are considered being subject to "SARA Reporting".

No	Substance name	CAS no.
1	propan-2-ol	67-63-0

Emergency Planning & Community Right-to-Know Act (EPCRA) - Sections 302 and 304

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) that are considered being subject to reporting requirements.

Clean Air Act (CAA) - Section 602 Ozone depleting substances

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) listed as ozone depleting substance.

15.2 US State Regulations

Pennsylvania State Right to Know Hazardous Substance List

The product contains following substance(s) that are considered to be "Hazardous Substances".

No	Substance name	CAS no.
1	butane	106-97-8
2	ethanol	64-17-5
3	isobutane	75-28-5
4	propan-2-ol	67-63-0
5	propane	74-98-6

New Jersey State Right to Know Hazardous Substance List

The product contains following substance(s) that are considered to be "Hazardous Substances".

No	Substance name	CAS no.
1	butane	106-97-8
2	ethanol	64-17-5
3	isobutane	75-28-5
4	propan-2-ol	67-63-0
5	propane	74-98-6

Massachusetts State Right to Know Hazardous Substance List

The product contains following substance(s) that are considered to be "Hazardous Substances".

No	Substance name	CAS no.
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1	butane	106-97-8
2	ethanol	64-17-5
3	isobutane	75-28-5
4	propane	74-98-6

California Code of Regulations Title 8 §339, Hazardous Substances List

The product contains following substance(s) that are considered to be "Hazardous Substances".

No	Substance name	CAS no.
1	butane	106-97-8
2	ethanol	64-17-5
3	propan-2-ol	67-63-0

Right to Know - California State - Proposition 65

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) that are considered to be "Hazardous Substances".

SECTION 16: Other information, including date of preparation or last revision

16.1 Other information

No data available.

16.2 Date of preparation/revision of the SDS

Current version 1.0.1 25.11.2022

Replaced version 1.0.0 22.07.2022

16.3 Department issuing safety data sheet

UMCO GmbH - D-21107 Hamburg, Georg-Wilhelm-Strasse 187, Tel.: +49(40)555 546 300, Fax: +49(40)555 546 357,
e-mail: umco@umco.de

16.4 Conclusions

This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not, however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

Alterations/supplements:

Alterations to the previous edition are marked in the left-hand margin.

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16.5 Key / Legend

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5E - indicates a substance that is the subject of a TSCA section 5(e) order
5F - indicates a substance that is the subject of a TSCA section 5(f) rule
ACGIH - American Conference of Governmental Industrial Hygienists
ATE – Acute Toxicity Estimate
BOD - Biochemical Oxygen Demand
CA/MA/MN/NJ/PA - California/Massachusetts/Minnesota/New Jersey/Pennsylvania*;
CAS - Chemical Abstracts Service
CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act
CFR - Code of Federal Regulations (US)
CLP - Classification, Labelling, and Packaging
DOT - Department of Transportation Commission
ECHA – European Chemicals Agency
EC / EL – Effective Concentration / Effective Loading
EPA - Environmental Protection Agency
IARC - International Agency for Research on Cancer
IATA - International Air Transport Association
IBC – Intermediate Bulk Container
ICAO - International Civil Aviation Organization
IDL - Ingredient Disclosure List
IDLH - Immediately Dangerous to Life and Health
IMDG - International Maritime Dangerous Goods
IUCILID - International Uniform Chemical Information Database
Kow - Octanol/water partition coefficient
LD/LC - Lethal Dose/ Lethal Concentration
MARPOL – Marine Pollution
MEL - Maximum Exposure Limits
NFPA - National Fire Protection Agency
NIOSH - National Institute for Occupational Safety and Health
NJTSR - New Jersey Trade Secret Registry
NOEL/NOEC – No Observed Effect Level / No Observed Effect Concentration
NTP - National Toxicology Program
OSHA - Occupational Safety and Health Administration
PEL- Permissible Exposure Limit
PMN - indicates a commenced Pre Manufacture Notice substance
RCRA - Resource Conservation and Recovery Act
S - indicates a substance that is identified in a final Significant New Use Rule
SARA - Superfund Amendments and Reauthorization Act
SP - indicates a substance that is identified in a proposed Significant New Use Rule
STEL - Short-term Exposure Limit
STOT – Specific Target Organ Toxicity
T - indicates a substance that is the subject of a final TSCA section 4 test rule or order
TDG - Transportation of Dangerous Goods
TLV - Threshold Limit Value
TP - indicates a substance that is the subject of a proposed TSCA section 4 test rule or order
TSCA - Toxic Substances Control Act
TWA - Time Weighted Average
UN/NA - United Nations /North American
US - United States
VLE - Exposure Limit Value (Mexico)
VOC – Volatile Organic Compounds
XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule