

KRONES celerol SP 7402

Safety Data Sheet

According to Hazardous Substances and New Organisms Act 1996 & Hazardous Substances (Safety Data Sheets) Notice 2017

Date of issue: 23/12/2019

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:

Version: 1.1

SECTION 1: Identification

1.1. GHS Product identifier

Product form : Mixture
Trade name : KRONES celerol SP 7402

1.2 Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Used as lubricant spray
Restrictions on use : No information available

1.4. Supplier's details

Supplier

KIC KRONES Internationale Cooperationsgesellschaft mbH
Böhmerwaldstraße 5
93073 Neutraubling
Germany
T +49-9401-70-3020
F +49-9401-70-3696
kic@kic-krones.com

Importer

KRONES New Zealand Limited
Unit M/ 218 Marua Road, Mount Wellington
1051 Auckland
New Zealand
T +64 9 572 8148
david.boekemann@krones.net.au

1.5. Emergency phone number

Emergency number : +64 9 929 1483 (NCEC, National Chemical Emergency Service)
0800 446 881 (toll-free number, access from New Zealand only)

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification according to the United Nations GHS

Aerosol, Category 1 H222;H229

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects : No information available

2.2. GHS Label elements, including precautionary statements

Labelling according to the United Nations GHS

Hazard pictograms (GHS NZ) :



GHS02

Signal word (GHS NZ) : Danger
Hazard statements (GHS NZ) : H222 - Extremely flammable aerosol.
H229 - Pressurised container: May burst if heated.
Precautionary statements (GHS NZ) : 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.
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

2.3. Other hazards which do not result in classification

Other hazards not contributing to the classification : No information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
1-Decene, homopolymer, hydrogenated	(CAS-No.) 68037-01-4	>= 50.00 - < 60.00

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Isobutane	(CAS-No.) 75-28-5	>= 30.00 - < 50.00
Butane	(CAS-No.) 106-97-8	>= 5.00 - < 10.00
Propane	(CAS-No.) 74-98-6	>= 5.00 - < 10.00

SECTION 4: First-aid measures

4.1. Description of necessary first-aid measures

First-aid measures general	: Take off immediately all contaminated clothing and wash it before reuse. In case of doubt or persistent symptoms, consult always a physician.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. In case of doubt or persistent symptoms, consult always a physician.
First-aid measures after skin contact	: Wash immediately with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth thoroughly with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms/effects, acute and delayed

Most Important Symptoms/Effects : No information available.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media	: ABC powder
Unsuitable extinguishing media	: High volume water jet.

5.2. Specific hazards arising from the chemical

Fire hazard : Thermal decomposition generates toxic vapours: carbon monoxide, carbon dioxide.

5.3. Special protective actions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment	: Wear personal protective equipment.
Emergency procedures	: Ventilate spillage area. Remove all sources of ignition. Spilled material may present a slipping hazard.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment. Do not discharge into drains or rivers. Advise local authorities if considered necessary.

6.3. Methods and materials for containment and cleaning up

For containment	: Collect spillage.
Methods for cleaning up	: Take up liquid spill into absorbent material. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
Other information	: Dispose of materials or solid residues at an authorized site.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Ensure good ventilation of the work station. Wear personal protective equipment. Keep away from food and drink. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Hygiene measures	: Keep away from food, drink and animal feeding stuffs. Do not inhale vapour. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Keep container tight closed. Store in a well-ventilated place. Keep cool.
Storage area	: Containers which are opened should be properly resealed and kept upright to prevent leakage. Keep only in original container. Protect from heat and direct sunlight. Recommended storage temperature: < 50 °C
Incompatible products	: Oxidizing agent.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Isobutane (75-28-5)

Austria - Occupational Exposure Limits

MAK (mg/m ³)	1900 mg/m ³
MAK (ppm)	800 ppm
MAK Short time value (mg/m ³)	3800 mg/m ³
MAK Short time value (ppm)	1600 ppm

Belgium - Occupational Exposure Limits

Limit value (ppm)	1000 ppm (gas)
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Estonia - Occupational Exposure Limits

OEL TWA (mg/m ³)	1900 mg/m ³
OEL TWA (ppm)	800 ppm

Finland - Occupational Exposure Limits

HTP-arvo (8h) (mg/m ³)	1900 mg/m ³
HTP-arvo (8h) (ppm)	800 ppm
HTP-arvo (15 min)	2400 mg/m ³
HTP-arvo (15 min) (ppm)	1000 ppm

Germany - Occupational Exposure Limits (TRGS 900)

TRGS 900 Occupational exposure limit value (mg/m ³)	2400 mg/m ³
TRGS 900 Occupational exposure limit value (ppm)	1000 ppm

Slovenia - Occupational Exposure Limits

OEL TWA (mg/m ³)	2400 mg/m ³
OEL TWA (ppm)	1000 ppm
OEL STEL (mg/m ³)	9600 mg/m ³
OEL STEL (ppm)	4000 ppm
OEL chemical category (SL)	Category 1A containing ≥0.1% Butadiene, Category 1B containing ≥0.1% Butadiene

Switzerland - Occupational Exposure Limits

MAK (mg/m ³)	1900 mg/m ³
MAK (ppm)	800 ppm
KZGW (mg/m ³)	7600 mg/m ³
KZGW (ppm)	3200 ppm

USA - ACGIH - Occupational Exposure Limits

ACGIH STEL (ppm)	1000 ppm (explosion hazard)
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Butane (106-97-8)

Austria - Occupational Exposure Limits

MAK (mg/m ³)	1900 mg/m ³
MAK (ppm)	800 ppm
MAK Short time value (mg/m ³)	3800 mg/m ³
MAK Short time value (ppm)	1600 ppm

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Belgium - Occupational Exposure Limits	
Limit value (ppm)	1000 ppm (gas)
Bulgaria - Occupational Exposure Limits	
OEL TWA (mg/m ³)	1900 mg/m ³
Croatia - Occupational Exposure Limits	
GVI (granična vrijednost izloženosti) (mg/m ³)	1450 mg/m ³ 22 mg/m ³ (containing >=0.1% 1,3-Butadiene)
GVI (granična vrijednost izloženosti) (ppm)	600 ppm 10 ppm (containing >=0.1% 1,3-Butadiene)
KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m ³)	1810 mg/m ³
KGVI (kratkotrajna granična vrijednost izloženosti) (ppm)	750 ppm
OEL chemical category (HR)	Carcinogen category 1 containing >=0.1% 1,3-Butadiene, Mutagen category 2 containing >=0.1% 1,3-Butadiene
Denmark - Occupational Exposure Limits	
Grænseværdie (langvarig) (mg/m ³)	1200 mg/m ³
Grænseværdie (langvarig) (ppm)	500 ppm
Estonia - Occupational Exposure Limits	
OEL TWA (mg/m ³)	1500 mg/m ³
OEL TWA (ppm)	800 ppm
Finland - Occupational Exposure Limits	
HTP-arvo (8h) (mg/m ³)	1900 mg/m ³
HTP-arvo (8h) (ppm)	800 ppm
HTP-arvo (15 min)	2400 mg/m ³
HTP-arvo (15 min) (ppm)	1000 ppm
France - Occupational Exposure Limits	
VME (mg/m ³)	1900 mg/m ³
VME (ppm)	800 ppm
Germany - Occupational Exposure Limits (TRGS 900)	
TRGS 900 Occupational exposure limit value (mg/m ³)	2400 mg/m ³
TRGS 900 Occupational exposure limit value (ppm)	1000 ppm
Greece - Occupational Exposure Limits	
OEL TWA (mg/m ³)	2350 mg/m ³
OEL TWA (ppm)	1000 ppm
Hungary - Occupational Exposure Limits	
AK-érték	2350 mg/m ³
CK-érték	9400 mg/m ³
Ireland - Occupational Exposure Limits	
OEL (8 hours ref) (ppm)	1000 ppm
OEL (15 min ref) (ppm)	3000 ppm (calculated)
Latvia - Occupational Exposure Limits	
OEL TWA (mg/m ³)	300 mg/m ³
Poland - Occupational Exposure Limits	
NDS (mg/m ³)	1900 mg/m ³
NDSch (mg/m ³)	3000 mg/m ³

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Slovenia - Occupational Exposure Limits	
OEL TWA (mg/m ³)	2400 mg/m ³ (containing >=0.1% Butadiene)
OEL TWA (ppm)	1000 ppm (containing >=0.1% Butadiene)
OEL STEL (mg/m ³)	9600 mg/m ³ (containing >=0.1% Butadiene)
OEL STEL (ppm)	4000 ppm (containing >=0.1% Butadiene)
OEL chemical category (SL)	Category 1A containing >=0.1% Butadiene, Category 1B containing >=0.1% Butadiene
United Kingdom - Occupational Exposure Limits	
WEL TWA (mg/m ³)	1450 mg/m ³
WEL TWA (ppm)	600 ppm
WEL STEL (mg/m ³)	1810 mg/m ³
WEL STEL (ppm)	750 ppm
WEL chemical category	Capable of causing cancer and/or heritable genetic damage containing >0.1% of Buta-1,3-diene
Norway - Occupational Exposure Limits	
Grenseverdier (AN) (mg/m ³)	600 mg/m ³
Grenseverdier (AN) (ppm)	250 ppm
Grenseverdier (Korttidsverdi) (mg/m ³)	750 mg/m ³ (value calculated)
Grenseverdier (Korttidsverdi) (ppm)	312.5 ppm (value calculated)
Switzerland - Occupational Exposure Limits	
MAK (mg/m ³)	1900 mg/m ³
MAK (ppm)	800 ppm
KZGW (mg/m ³)	7600 mg/m ³
KZGW (ppm)	3200 ppm
USA - ACGIH - Occupational Exposure Limits	
ACGIH STEL (ppm)	1000 ppm (explosion hazard)
Propane (74-98-6)	
Austria - Occupational Exposure Limits	
MAK (mg/m ³)	1800 mg/m ³
MAK (ppm)	1000 ppm
MAK Short time value (mg/m ³)	3600 mg/m ³
MAK Short time value (ppm)	2000 ppm
Belgium - Occupational Exposure Limits	
Limit value (ppm)	1000 ppm (gas)
Bulgaria - Occupational Exposure Limits	
OEL TWA (mg/m ³)	1800 mg/m ³
Denmark - Occupational Exposure Limits	
Grænseværdie (langvarig) (mg/m ³)	1800 mg/m ³
Grænseværdie (langvarig) (ppm)	1000 ppm
Estonia - Occupational Exposure Limits	
OEL TWA (mg/m ³)	1800 mg/m ³
OEL TWA (ppm)	1000 ppm
Finland - Occupational Exposure Limits	
HTP-arvo (8h) (mg/m ³)	1500 mg/m ³
HTP-arvo (8h) (ppm)	800 ppm
HTP-arvo (15 min)	2000 mg/m ³
HTP-arvo (15 min) (ppm)	1100 ppm

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Germany - Occupational Exposure Limits (TRGS 900)	
TRGS 900 Occupational exposure limit value (mg/m ³)	1800 mg/m ³
TRGS 900 Occupational exposure limit value (ppm)	1000 ppm
Greece - Occupational Exposure Limits	
OEL TWA (mg/m ³)	1800 mg/m ³
OEL TWA (ppm)	1000 ppm
Ireland - Occupational Exposure Limits	
OEL (15 min ref) (ppm)	3000 ppm (calculated)
OEL chemical category (IE)	Simple asphyxiant
Latvia - Occupational Exposure Limits	
OEL TWA (mg/m ³)	1800 mg/m ³
OEL TWA (ppm)	1000 ppm
Poland - Occupational Exposure Limits	
NDS (mg/m ³)	1800 mg/m ³
Portugal - Occupational Exposure Limits	
OEL TWA (ppm)	1000 ppm
Romania - Occupational Exposure Limits	
OEL TWA (mg/m ³)	1400 mg/m ³
OEL TWA (ppm)	778 ppm
OEL STEL (mg/m ³)	1800 mg/m ³
OEL STEL (ppm)	1000 ppm
Slovenia - Occupational Exposure Limits	
OEL TWA (mg/m ³)	1800 mg/m ³
OEL TWA (ppm)	1000 ppm
OEL STEL (mg/m ³)	7200 mg/m ³
OEL STEL (ppm)	4000 ppm
Norway - Occupational Exposure Limits	
Grønseverdier (AN) (mg/m ³)	900 mg/m ³
Grønseverdier (AN) (ppm)	500 ppm
Grønseverdier (Korttidsverdi) (mg/m ³)	1125 mg/m ³ (value calculated)
Grønseverdier (Korttidsverdi) (ppm)	625 ppm (value calculated)
Switzerland - Occupational Exposure Limits	
MAK (mg/m ³)	1800 mg/m ³
MAK (ppm)	1000 ppm
KZGW (mg/m ³)	7200 mg/m ³
KZGW (ppm)	4000 ppm

8.2. Appropriate engineering controls

- Appropriate engineering controls : In case of inadequate ventilation wear respiratory protection. Ensure good ventilation of the work station.
- Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures, such as personal protective equipment (PPE)

- Hand protection : Protective gloves. EN 374.
Appropriate material: Nitrile rubber
- Eye protection : Safety glasses with side shields (EN 166).
- Skin and body protection : Wear suitable protective clothing
- Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment
Respirator: A-P

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8.4. Exposure limit values for the other components

No additional information available

SECTION 9: Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	: Liquid
Appearance	: Aerosol
Colour	: Yellow.
Odour	: Characteristic.
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: -10 °C (1013 hPa)
Flammability (solid, gas)	: Extremely flammable aerosol
Explosive limits	: 1.5 - 11.2 vol %
Lower explosive limit (LEL)	: Not available
Upper explosive limit (UEL)	: Not available
Flash point	: -80 °C
Auto-ignition temperature	: > 350 °C
Decomposition temperature	: Not available
pH	: Not available
pH solution	: Not available
Viscosity, kinematic (calculated value) (40 °C)	: Not available
Log Kow	: Not available
Vapour pressure	: 2700 hPa (20 °C)
Vapour pressure at 50 °C	: Not available
Density	: 0.6 g/cm ³ (20 °C)
Relative density	: Not available
Relative vapour density at 20 °C	: Not available
Solubility	: Insoluble in water.
Explosive properties	: Not available
Oxidising properties	: Not available

9.2. Data relevant with regard to physical hazard classes (supplemental)

Additional information : No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Incompatible materials.

10.5. Incompatible materials

Oxidizing agent.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified

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Acute toxicity (inhalation) : Not classified

1-Decene, homopolymer, hydrogenated (68037-01-4)	
LD50 oral rat	> 5000 mg/kg bodyweight (OECD 423) (ECHA)
LD50 dermal rabbit	> 2000 mg/kg bodyweight (OECD 402) (ECHA)
LC50 inhalation rat (Dust/Mist - mg/l/4h)	> 5.2 mg/l/4h (OECD 403) (ECHA)
Isobutane (75-28-5)	
LC50 inhalation rat (mg/l)	658 mg/l/4h
Butane (106-97-8)	
LC50 inhalation rat (mg/l)	658 g/m ³ (Exposure time: 4 h)
Propane (74-98-6)	
LC50 inhalation rat (ppm)	> 800000 ppm (Exposure time: 15 min)

Skin corrosion/irritation : Not classified
1-Decene, homopolymer, hydrogenated: rabbit, non-irritant (OECD 404) (ECHA)

Serious eye damage/irritation : Not classified
1-Decene, homopolymer, hydrogenated: rabbit, non-irritant (OECD 405) (ECHA)

Respiratory or skin sensitisation : Not classified
1-Decene, homopolymer, hydrogenated: guinea pig, skin, non-sensitizing (OECD 406) (ECHA)

Germ cell mutagenicity : Not classified
1-Decene, homopolymer, hydrogenated: Based on available data, the classification criteria are not met (ECHA)

Carcinogenicity : Not classified

Reproductive toxicity : Not classified
1-Decene, homopolymer, hydrogenated: Based on available data, the classification criteria are not met (ECHA)

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified
1-Decene, homopolymer, hydrogenated: Based on available data, the classification criteria are not met (ECHA)

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Acute aquatic toxicity : Not classified

Chronic aquatic toxicity : Not classified

1-Decene, homopolymer, hydrogenated (68037-01-4)	
LL50 fish 1	> 1000 mg/l (96 h) (Oncorhynchus mykiss) (ECHA)
EL50 Daphnia 1	> 1000 mg/l (48 h) (Daphnia magna) (OECD 202) (ECHA)
EL50 (algae)	> 1000 mg/l (72 h) (Scenedesmus capricornutum) (OECD 201) (ECHA)

12.2. Persistence and degradability

KRONES celerol SP 7402	
Persistence and degradability	No information available.
1-Decene, homopolymer, hydrogenated (68037-01-4)	
Persistence and degradability	Not readily biodegradable.
Biodegradation	47.1 % (28 days) (OECD 301 D) (ECHA)

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12.3. Bioaccumulative potential

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Bioaccumulative potential	No information available.
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12.4. Mobility in soil

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Mobility in soil	No additional information available
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12.5. Other adverse effects

Ozone : Not classified
Other adverse effects : No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of according to all applicable regulations upon consultation of the local competent authorities and the disposer in a suitable and authorised disposal facility. Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Product/Packaging disposal recommendations : 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 the form of disposal specified by the regional disposer.

SECTION 14: Transport information

In accordance with IMDG / IATA / UN RTDG

UN RTDG	IMDG	IATA
14.1. UN number		
1950	1950	1950
14.2. UN Proper Shipping Name		
AEROSOLS	AEROSOLS	Aerosols, flammable
14.3. Transport hazard class(es)		
2.1	2.1	2.1
		
14.4. Packing group		
Not applicable	Not applicable	Not applicable
14.5. Environmental hazards		
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No
No supplementary information available		

14.6. Special precautions for user

- UN RTDG

Special provisions (UN RTDG) : 63, 190, 277, 327, 344, 381
Limited quantities (UN RTDG) : See SP 277
Excepted quantities (UN RTDG) : E0
Packing instruction (UN RTDG) : P207, LP200
Special packing provisions (UN RTDG) : PP87, L2

- IMDG

Special provisions (IMDG) : 63, 190, 277, 327, 344, 381, 959
Packing instructions (IMDG) : P207, LP200
Special packing provisions (IMDG) : PP87, L2
EmS-No. (Fire) : F-D - FIRE SCHEDULE Delta - FLAMMABLE GASES

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EmS-No. (Spillage)	: S-U - SPILLAGE SCHEDULE Uniform - GASES (FLAMMABLE, TOXIC OR CORROSIVE)
Stowage category (IMDG)	: None
- IATA	
PCA Excepted quantities (IATA)	: E0
PCA Limited quantities (IATA)	: Y203
PCA limited quantity max net quantity (IATA)	: 30kgG
PCA packing instructions (IATA)	: 203
PCA max net quantity (IATA)	: 75kg
CAO packing instructions (IATA)	: 203
CAO max net quantity (IATA)	: 150kg
Special provisions (IATA)	: A145, A167, A802
ERG code (IATA)	: 10L

14.7. Transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations specific for the product in question

New Zealand

HSNO approval number:	
Aerosols (Flammable) Group Standard 2017 HSR002515	
CAS# 75-28-5	HSR001003
CAS# 106-97-8	HSR000989
CAS# 74-98-6	HSR001010

National regulations

1-Decene, homopolymer, hydrogenated (68037-01-4)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Isobutane (75-28-5)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Butane (106-97-8)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Propane (74-98-6)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
1-Decene, homopolymer, hydrogenated (68037-01-4)
Listed on the Canadian DSL (Domestic Substances List)
Isobutane (75-28-5)
Listed on the Canadian DSL (Domestic Substances List)
Butane (106-97-8)
Listed on the Canadian DSL (Domestic Substances List)
Propane (74-98-6)
Listed on the Canadian DSL (Domestic Substances List)
1-Decene, homopolymer, hydrogenated (68037-01-4)
Listed on the EU NLP (No Longer Polymers) inventory
Isobutane (75-28-5)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Butane (106-97-8)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Propane (74-98-6)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
1-Decene, homopolymer, hydrogenated (68037-01-4)
Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)

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Isobutane (75-28-5)

Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)

Butane (106-97-8)

Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)

Propane (74-98-6)

Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)

SECTION 16: Other information

Date of issue : 23/12/2019
Revision date : 24/04/2020

Indication of changes:

No information available.

Data sources : ECHA, Loli.
Abbreviations and acronyms : ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road
EC50 - Median effective concentration
IATA - International Air Transport Association
IMDG - International Maritime Dangerous Goods
LC50 - Median lethal concentration
LD50 - Median lethal dose
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS - Safety Data Sheet
Training advice : Normal use of this product shall imply use in accordance with the instructions on the packaging.
Other information : No information available

Full text of H-statements:

H222	Extremely flammable aerosol
H229	Pressurised container: May burst if heated

SDS NZ

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.