

SECTION 1: MIXTURE IDENTIFICATION AND MANUFACTURER/SUPPLIER IDENTIFICATION

1.1. Product identification
HIGH BUILD PRIMER SPRAY BLACK
UFI: 6380-HOU5-U00V-09HK

1.2. Relevant identified uses mixture and uses advised against
Use of the substance/mixture: Aerosol coating. *

1.3. Data of the safety data sheet supplier

Przedsiębiorstwo RANAL Sp. z o.o.
Ul. Łódzka 3
42-240 Rudniki k. Częstochowy, PL

Tel.: +48 34 329 45 03
Fax: +48 34 320 12 16
Registration number 000029202

Person responsible for the material safety data sheet: ranal@ranal.pl.

1.4. Emergency telephone number:
+48 34 329-45-03 (7:30 - 15:30)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Mixture classification



GHS02 flame

Aerosol 1 H222-H229 Extremely flammable aerosol. Container under pressure: may explode if heated.



GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long-lasting effects.



GHS07

Eye Irrit. 2 H319 Causes eye irritation.
STOT SE 3 H336 May cause drowsiness or dizziness.

2.2 Label elements

Classification according to the regulation (EC) no 1272/2008:
The product has been classified and labelled according to CLP regulation.

Hazard pictograms:



GHS02 GHS09 GHS07

Signal word: **Danger**.

Components indicating hazard for labelling:

Butan-2-one.
Acetone.
Butyl acetate.
2-methoxy-1-methylethyl acetate.*

Hazard statement:

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.
H319 Causes eye irritation.
H336 May cause drowsiness or dizziness.
H411 Toxic 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.
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 Pressurized container – Do not pierce or burn, even after use.
P260 Do not breathe mist/vapours/spray. *

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P271	Use only outdoors or in a well-ventilated area.*
P273	Avoid release to the environment.
P280	Wear eye protection / face protection.
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501	Dispose of contents/container in accordance with local / regional / national / international regulations.

Additional information:

EUH066	Repeated exposure may cause skin dryness or cracking.
EUH208	Contains fatty acids, unsaturated C18, trimer compounds with oleylamine. May cause an allergic reaction.

The product contains: Explosive precursors subject to notification. Provision, introduction, possession and use in accordance with Regulation (EU) 2019/1148, Article 9.*

Formation of explosive mixtures is possible in case of insufficient ventilation.

2.3. Other hazards

PBT:	Not applicable.
vPvB:	Not applicable.

Endocrine disrupting properties:

78-93-3 butan-2-one List II

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable.

3.2. Mixtures

Mixture of biocatalysts with liquid propellant.

Substance name	Identification	Classification 1272/2008:	% weight
Dimethyl ether	CAS: 115-10-6 EINECS: 204-065-8 Reg. no: 01-2119472128-37	Flam. Gas 1, H220; Press. Gas (Comp.), H280.	25-50%
Butan-2-one	CAS: 78-93-3 EINECS: 201-159-0 Reg. no: 01-2119457290-43	Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	10-< 25%
Acetone	CAS: 67-64-1 EINECS: 200-662-2 Reg. no: 01-2119471330-49	Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	10-< 25%
Trizinc bis(orthophosphate) Composed of 1314-13-2 zinc oxide (< 3%)*	CAS: 7779-90-0 EINECS: 231-944-3 Reg. no: 01-2119463881-32	Aquatic Acute 1, H400; Aquatic Chronic 1, H410	2.5-< 10%
Butyl acetate	CAS: 123-86-4 EINECS: 204-658-1 Reg. no: 01-2119485493-29	Flam. Liq. 3, H226; STOT SE 3, H336	2.5-< 10%
2-methoxy-1-methylethyl acetate Composed of 70657-70-4 2-methoxypropyl acetate (<0.3%)*	CAS: 108-65-6 EINECS: 203-603-9 Reg. no: 01-2119475791-29	Flam. Liq. 3, H226	2.5-< 10%

Full hazard statements provided in section 16 of the Sheet.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Exposure routes: inhalation, ingestion, skin contact, eye contact.
Inhalation effects: Supply fresh air, in case of disturbances, consult a doctor.
Ingestion effects: Do not induce vomiting and call a doctor.
Contact with eyes: Rinse opened eye for several minutes under running water. If symptoms persist, seek medical advice.
Contact with skin: In general the product does not irritate skin.

4.2. Most important symptoms both acute and delayed

No further relevant data available.

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

No further relevant data available.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: carbon dioxide CO₂, extinguishing powders, water mist, foam resistant to alcohol.
Unsuitable extinguishing media: full jet of water.

5.2. Special hazards arising from the substance or mixture

No further relevant data available.

5.3. Advice for fire fighters

Wear respiratory protection. *

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency measures

Wear protective clothing. Move unprotected persons to a safe place.

6.2. Environmental precautions

Prevent from reaching sewage system or water courses. In the event of leakage into water course or sewage system inform competent authorities. Do not allow entering sewage system /surface water /ground water.

6.3. Methods and materials for containment and cleaning up

Ensure adequate ventilation. Do not wash with water or water based cleaning agents.

6.4. Reference to other sections

Information on safe handling see section 7. Information on personal protective measures see section 8. Information on disposal see section 13.

SECTION 7: HANDLING AND STORAGE OF SUBSTANCES AND MIXTURES

7.1. Precautions for safe handling

Ensure good ventilation / exhaustion at the workplace.

Information about fire and explosion protection:

Do not spray towards flames or over glowing material. Keep ignition sources away - do not smoke. Take precautionary measures against static discharges. Warning: Pressurized container. Protect from sunlight and temperatures above 50°C. Do not open violently and do not burn even after use.

7.2. Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and receptacles: Keep cool. Observe regulations concerning the storage of pressurized gas containers.

Information about common storage: Observe regulations concerning the storage of pressurized gas containers.

Further information about storage conditions: Store in well-sealed barrels in a cool and dry place. Protect against heat and direct sunlight.

7.3. Special end use (s)

No data.

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION MEASURES

8.1. Control parameters

Components with limit values that require monitoring depending on the workplace:

115-10-6 dimethyl ether	MPC: 1000 mg/m ³		
78-93-3 butan-2-one	MPIC: 900 mg/m ³	MPC: 450 mg/m ³	skin
67-64-1 Acetone	MPIC: 1800 mg/m ³	MPC: 600 mg/m ³	
123-86-4 Butyl acetate	MPIC: 720 mg/m ³	MPC: 240 mg/m ³	
108-65-6 2-methoxy-1-methylethyl acetate	MPIC: 520 mg/m ³	MPC: 260 mg/m ³	skin

DNEL values:

78-93-3 Butan-2-one

Oral	DNEL Long term-systemic	31 mg/kg bw/day (Consumer)
Skin	DNEL Long term-systemic	412 mg/kg bw/day (Consumer) 1161 mg/kg bw/day (Worker)
Inhalation	DNEL Long term-systemic	106 mg/ m ³ (Consumer) 600 mg/m ³ (Worker)

67-64-1 Acetone

Oral	DNEL Long term-systemic	62 mg/kg bw/day (Consumer)
Skin	DNEL Long term-systemic	62 mg/kg bw/day (Consumer) 186 mg/kg bw/day (Worker)
inhalation	DNEL Acute-local	2420 mg/m ³ (worker)
	DNEL Long term-systemic	200 mg/m ³ (Consumer) 1210 mg/m ³ (Worker)

7779-90-0 Trizinc bis(orthophosphate)*

Oral	DNEL Long term-systemic	0.83 mg/kg bw/day (Consumer)
Skin	DNEL Long term-systemic	83 mg/kg bw/day (Consumer) 83 mg/kg bw/day (Worker)
Inhalation	DNEL Long term-systemic	2.5 mg/ m ³ (Consumer) 5 mg/m ³ (Worker)

123-86-4 Butyl acetate*

Oral	DNEL Acute-systemic	2 mg/kg bw/ day (Consumer)
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Dermal	DNEL Long term-systemic	2 mg/kg bw/day (Consumer)
	DNEL Acute systemic	6 mg/kg bw/ day (Consumer)
		11 mg/kg bw/day (Worker)
Inhalation	DNEL Long term-systemic	3.4 mg/kg bw/day (Consumer)
		7 mg/kg bw/day (Worker)
	DNEL Acute-systemic	300 mg/m ³ (Consumer)
		600 mg/m ³ (Worker)
	DNEL Acute-local	300 mg/m ³ (Consumer)
		600 mg/m ³ (Worker)
Inhalation	DNEL Long term-systemic	12 mg/m ³ (Consumer)
		48 mg/m ³ (Worker)
	DNEL Long-term-local	35.7 mg/m ³ (Consumer)
		300 mg/m ³ (Worker)

108-65-6 2-methoxy-1-methylethyl acetate*

Oral	DNEL Long term-systemic	36 mg/kg bw/day (Consumer)
	DNEL Long term-systemic	320 mg/kg bw/day (Consumer)
Skin		796 mg/kg bw/day (Worker)
inhalation	DNEL Acute-local	550 mg/m ³ (worker)
	DNEL Long term-systemic	33 mg/m ³ (Consumer)
		275 mg/m ³ (Worker)
	DNEL Long-term-local	33 mg/m ³ (Consumer)

PNEC values:

67-64-1 Acetone

PNEC Sea water	1.06 mg/l (Undefined)
PNEC Fresh water sediment	30.4 mg/l (dry weight) (Undefined)
PNEC Soil	29.5 mg/kg (Undefined)
PNEC Sea water sediment	3.04 mg/l (dry weight) (Undefined)

7779-90-0 Trizinc bis(orthophosphate)*

PNEC Fresh water	0.0206 mg/l (Undefined)
PNEC Sea water	0.0061 mg/l (Undefined)
PNEC Fresh water sediment	117.8 mg/l (dry weight) (Undefined)
PNEC Soil	35600 mg/kg (Undefined)
PNEC Sewage treatment plant	0.1 mg/l (Undefined)
PNEC Sea water sediment	56.5 mg/l (dry weight) (Undefined)

123-86-4 Butyl acetate*

PNEC Fresh water	0.18 mg/l (Undefined)
PNEC Sea water	0.015 mg/l (Undefined)
PNEC Fresh water sediment	0.981 mg/l (dry weight) (Undefined)
PNEC Intermittent release	0.36 (Undefined)
PNEC Soil	0.0903 mg/kg (Undefined)
PNEC Sewage treatment plant	35.6 mg/l (Undefined)
PNEC Sea water sediment	0.0981 mg/l (dry weight) (Undefined)

108-65-6 2-methoxy-1-methylethyl acetate

PNEC Fresh water	0.635 mg/l (Undefined)
PNEC Sea water	0.0635 mg/l (Undefined)
PNEC Fresh water sediment	3.29 mg/l (dry weight) (Undefined)
PNEC Intermittent release	6.35 (Undefined)
PNEC Soil	0.29 mg/kg (Undefined)
PNEC Sewage treatment plant	100 mg/l (Undefined)
PNEC Sea water sediment	0.329 mg/l (dry weight) (Undefined)

Additional information: The currently valid lists were used as basis.

8.2. Exposure control

Appropriate engineering controls: No further data; see section 7.*

General measures of protection and hygiene:

Keep away from foodstuffs, beverages and feed. Immediately take off all soaked and contaminated clothing. Wash hands before each break and at the end of work. Do not breathe gases/ vapours / spray. Avoid contact with eyes. Avoid contact with eyes and skin.

General ventilation.*

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device; in case of intensive or prolonged exposure, use a respiratory protective device independent of the ambient air.

Filter A2/P2*

Hands protection:



Protective gloves *

Use gloves to protect against chemicals in accordance with standard EN 374.

Selection of the glove material on consideration of the breakthrough times, rates of diffusion and degradation.

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Penetration time of the glove material:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a mixture consisting of several substances the resistance of the materials from which the gloves are made cannot be calculated in advance and should therefore be checked before use.

Nitrile rubber

Recommended thickness of the material: $\geq 0,5$ mm

Penetration time of the glove material::

For continuous contact, it is recommended to use gloves with a tensile strength of not less than 240 minutes, with a penetration time of more than 480 minutes as priority. We recommend the same for short-term works or protection against splash.

We understand that gloves that offer this level of protection may not be in stock. In this case, a shorter breakthrough time is acceptable in the procedures governing maintenance and as long as the timely replacements are respected. The thickness of the glove is not a good measure of the glove's resistance to chemicals as it depends on the exact composition of the glove material.

Information about the penetration time of the substance should be obtained from the glove manufacturer and has to be observed.

Body protection:

Use protective clothing (EN-13034/6)

Eye or face protection:



Protective glasses (EN-166)

Tightly sealed protective glasses.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties*

Appearance:

Form: aerosol
Colour: black
Odour: characteristic
Odour threshold: not specified

Change of state:

Melting /freezing point: not specified
Boiling point or initial boiling point and boiling range: -24.8 °C (115-10-6 dimethyl ether)*
Flammability of materials*: not applicable

Explosion limits:

Bottom: 1.5 Vol %
Top: 18.6 Vol %

Flash point*:

Auto ignition point: 235°C *
pH-value: the mixture is non-polar / aprotic*

Viscosity:

Dynamic: not specified
Kinetic: not specified

Solubility in/miscibility with

Water: not miscible or difficult to mix
n-octanol/water partition coefficient (log value*): not specified
Vapour pressure at 20 °C: 5200 hPa

Density at 20°C:

Relative density: 0.87 g/cm³*
Vapour density: not specified

9.2. Other information

Form*: aerosol

Important information on health and environment protection and safety*:

Combustion temperature*: the product is not self-igniting
Explosive properties: the product is not explosive, but may form explosive mixtures with the air
Organic solvents: 76,6 % *
Solids content: 23,6 % *
Evaporation rate: not applicable*

Information with regard to physical hazard classes*:

Explosives: none

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Flammable gases:	none
Aerosols:	extremely flammable aerosol. Pressurized container: may burst if heated.
Oxidizing gases:	none
Gases under pressure:	none
Flammable liquids:	none
Flammable solids:	none
Self-reactive substances and mixtures:	none
Pyrophoric liquids:	none
Pyrophoric solids:	none
Self-heating substances and mixtures:	none
Substances and mixtures which emit flammable gases in contact with water	none
Oxidizing liquids:	none
Oxidizing solids:	none
Organic peroxides:	none
Substances corrosive to metals:	none
Desensitised explosives:	none

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No further relevant data available.

10.2. Chemical stability

Thermal decomposition / conditions to be avoided: No decomposition if used as intended.

10.3. Possibility of hazardous reactions

Hazardous reactions unknown.

10.4. Conditions to be avoided

No further relevant data available.

10.5. Incompatible materials

No further relevant data available.

10.6. Hazardous decomposition products

Hazardous decomposition products unknown.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity:

Based on available data, the classification criteria are not met.

Relevant classified LD/LC50 values:

78-93-3 Butan-2-one

Oral	LD50	> 2193 mg/kg (rat)
Dermal	LD50	>5000 mg/kg (rabbit)
		5000 mg/kg (rabbit)

67-64-1 Acetone

Oral	LD50	5800 mg/kg (rat) (Acute Oral Toxicity*)
	ATE*	5800 mg/kg (rat)
Dermal	LD50	7800 mg/kg (rabbit)
	ATE *	20000 mg/kg (nd)
Inhalation	LC50/ 4h	>20 mg/l (rat)
		> 15800 mg/kg (rabbit)*

7779-90-0 Trizinc bis(orthophosphate)

Oral	LD50	5000 mg/kg (rat)
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123-86-4 Butyl acetate*

Oral	LD50	10760 mg/kg (rat)
Dermal	LD50	>14112 mg/kg (rabbit)

108-65-6 2-methoxy-1-methylethyl acetate

Oral	LD50	6190 mg/kg*(rat)
Dermal	LD50	>2000 mg/kg (rat*)
		> 5000 mg/kg (rabbit)*
Inhalation	LCL0	>23.5 mg/l (rat)*

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation: Causes eye irritation.

Allergic effect on airways or skin: Based on available data, the classification criteria are not met.

Mutagenic effect on germ cells: Based on available data, the classification criteria are not met.

Carcinogenic effect: Based on available data, the classification criteria are not met.

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Harmful effect on reproduction: Based on available data, the classification criteria are not met.

Specific target organ toxicity – single exposure: May cause drowsiness or dizziness.

Specific target organ toxicity – repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

11.2. Information on other hazards*

Endocrine disrupting properties*:

78-93-3 butan-2-one List II

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Aquatic toxicity:

78-93-3 butan-2-one

LC50/ 96h 2993 mg/l (Pimephales promelas)
EC50/48h 308 mg/l (Dm)

67-64-1 Acetone

EC50 8800 mg/l (Dm)
8300 mg/l (Fish)

7779-90-0 Trizinc bis(orthophosphate)*

LC50 0,78 mg/l (Pimephales promelas)
EC50 0.147 mg/l (Pseudokirchneriella subcapitata)
NOEC 0.044 mg/l (fish)
NOEC (7 days) 0.019 mg/l (Pseudokirchneriella subcapitata)
EC50 (72h) 0.136 mg/l (algae)
LC50 (96h) 0.169 mg/l (Onc)
EC50 (48h) 2.34 mg/l (Daphnia magna)
ErC(50) (72h) 0.14 mg/l (Desmodesmus subspicatus)

123-86-4

Butyl acetate*

LC50 (96h) 18 mg/l (fish)
EC50 (48h) 44 mg/l (Daphnia magna)

108-65-6

2-methoxy-1-methylethyl acetate*

EC50 (72h) (static) >1000 mg/l (Selenastrum capricornatum) (Freshwater Alga and Cyanobacteria, Growth Inh.test)
LC50 (96h) (static) 134 mg/l (Oncorhynchus mykiss) (Fish, Acute Toxicity Test)

12.2. Persistence and degradability

Not easily biodegradable.*

12.3. Bioaccumulative potential

No further relevant data available.

12.4. Mobility in soil

No further relevant data available.

12.5. Results of PBT and vPvB assessment

PBT: Not applicable. *

vPvB: Not applicable. *

12.6. Endocrine disrupting properties*

See section 11 for information on endocrine disrupting properties.

12.7. Other hazardous effects*

Ecotoxic effects:

Warning: Poisonous to fish.

Further ecological information:

General information:

Water hazard class 2 *(Self-assessment): hazardous to water. *

Do not allow the product to reach ground water, surface water or sewage system.*

Dangerous to drinking water if even small quantities leak into the ground. *

Poisonous to fish and plankton in water reservoirs.

Poisonous to aquatic life.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Recommendation:

Must not be disposed together with household garbage. Prevent from reaching sewage system.

European waste catalogue*:

HP3 Flammable
HP4 Irritating - causing skin irritation and eye damage
HP14 Ecotoxic.

Contaminated packaging:

Recommendation: Dispose of according to applicable regulations.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number or ID number*

ADR, ADN, IMDG, IATA UN1950

14.2 UN proper shipping name

ADR, ADN UN1950 AEROSOLS, ENVIRONMENTALLY HAZARDOUS*
IMDG AEROSOLS, MARINE POLLUTANT *
IATA AEROSOLS, flammable

14.3 Transport hazard class (-es)

ADR:



Class: 2 5F Gases
Label: 2.1
ADN
Class ADN/R: 2 5F

IMDG:



Class 2.1
Label 2.1

IATA:



Class 2.1
Label 2.1

14.4. Packaging group

ADR, IMDG, IATA none.

14.5 Environmental hazards

The product contains substances hazardous to the environment: Trizinc bis(orthophosphate)

Marine pollutants: Yes
Symbol (fish and tree)

Special labelling (ADR):
Symbol (fish and tree)

14.6. Special precautions for users

Warning: gases

Kemler's code: -
EMS Number: F-D,S-U

Stowage Code SW1 Protected from sources of heat.
SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A
For AEROSOLS with a capacity above 1 litre: Category A
For WASTE AEROSOLS: Category C, Clear of living quarters.

Segregation Code

SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2.
For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.

14.7. Sea transport in bulk in accordance with IMO instruments*

Not applicable. *

Transport/ further information:

ADR
Excepted quantities (EQ) Code: E0
Not permitted as Excepted Quantity
Tunnel restriction code D

IMDG
Limited quantities (LQ) 1L
Excepted quantities (EQ) Code: E0
Not permitted as Excepted Quantity
UN "Model Regulation" UN 1950 AEROSOLS, 2.1 ENVIRONMENTALLY HAZARDOUS

SECTION 15: REGULATORY INFORMATION

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

Directive 2012/18/EU

Named dangerous substances - ANNEX I:

None of the components are listed.

Seveso category:

P3a FLAMMABLE AEROSOLS
E2 Hazardous to the aquatic environment

Qualifying quantity (tonnes) for the application of lower-tier requirements: 150 t

Qualifying quantity (tonnes) for the application of upper-tier requirements: 500 t

Regulation (EC) no 1907/2006 ANNEX XVII:

Restriction conditions: 3

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment –

Annex II*: none of the components are listed

REGULATION (EU) 2019/1148*

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit for the purpose of licensing according to Article 5 item 3):

None of the components are listed.

Annex II - EXPLOSIVE PRECURSORS SUBJECT TO NOTIFICATION:

67-64-1 Acetone

Regulation (EC) No 273/2004 on drug precursors:

78-93-3 butan-2-one 3

67-64-1 Acetone 3

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors:

78-93-3 butan-2-one 3

67-64-1 Acetone

National regulations:

Class	share %:
NK	75 - < 100
VOC-CH	76,56 % *
VOC-EU	666,0 g/l *
Danish MAL Code	3-1*

15.2. Chemical safety assessment

Chemical safety assessment has not been performed.

SECTION 16: OTHER INFORMATION

This information is based on our present knowledge; however it does not definitively define the production characteristics and cannot be used as a justification for valid contracts.

Relative phrases:

H220	Extremely flammable gas.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H280	Contains gas under pressure: may explode if heated.
H319	Causes eye irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long-lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

Explanation of abbreviations and acronyms:

ADR:	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG:	International Maritime Code for Dangerous Goods
IATA:	International Air Transport Association

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GHS:	Globally Harmonised System of Classification and Labelling of Chemicals
EINECS:	European Inventory of Existing Commercial Chemical Substances
ELINCS:	European List of Notified Chemical Substances
CAS:	Chemical Abstracts Service (division of the American Chemical Society)
MAL-Code:	Måleteknisk Arbejdshygiejnisk Luftbehov (Regulation for the labelling concerning inhalation hazards, Denmark).
DNEL:	Derived No-Effect Level (REACH)
PNEC:	Derived No-Effect Concentration (REACH)
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent
PBT:	Persistent, Bioaccumulative and Toxic
vPvB:	Very Persistent and very Bioaccumulative
Flam. Gas 1:	Flammable Gases - Category 1
Aerosol 1:	Aerosols - Category 1
Press. Gas (Comp.):	Gases under pressure - Compressed gas
Flam. Liq. 2:	Flammable liquids - Category 2
Flam. Liq. 3:	Flammable liquids - Category 3
Eye Irrit. 2:	Serious eye damage/eye irritation - Category 2
STOT SE 3:	Specific target organ toxicity (single exposure) - Category 3
Aquatic Acute 1:	Hazardous to the aquatic environment - acute hazard to the aquatic environment - Category 1
Aquatic Chronic 1:	Hazardous to the aquatic environment - long-term hazard to the aquatic environment - Category 1
Aquatic Chronic 2:	Hazardous to the aquatic environment - long-term hazard to the aquatic environment - Category 2

Changes compared to the previous sheet:

Update of sections:

9: rewording of sub-section 9.1: Information on basic physical and chemical properties

11: rewording of sub-section 11.1: Information on the hazard classes defined in Regulation (EC) No 1272/ 2008: added subsection 11.2.

Information on other hazards

12: new subsection 12.6: Endocrine disrupting properties.

14: rewording of sub-section 14.1: UN number or ID number; rewording of sub-section 14.7: Sea transport in bulk in accordance with IMO instruments.

Changes in the content of sections:

1.2, 2.2, 3.2, 5.3, 8.1, 8.2, 9.1, 9.2, 11.1, 11.2, 12.1, 12.2, 12.5, 12.6, 12.7, 13.1, 14.1, 14.2, 14.7, 15.1, 16.

General update.

Sheet number: 07-1N6L-0123-V3