Safety Data Sheet

Revision date: 22/08/2023

MECANIC CLEAN

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/ UNDERTAKING

1.1 Product identifier
Product name: MECANIC CLEAN
Article number: F100001

1.2 Relevant identified uses of the substance or mixture and uses advised against
Identified uses: Cleaners - Heavy duty.
Uses advised against: None known.

1.3 Details of the supplier of the safety data sheet
Company: MULTITASK INDUSTRIES
KARNEMELKSTRAAT 12
9060 ZELZATE / BELGIUM
TEL : +32 (0)9 282 43 61
FAX : +32 (0)9 337 04 96
HOMEPAGE: www.multitaskindustries.be
EMAIL: info@multitaskindustries.be

Information department:
Technical information: info@multitaskindustries.be

1.4 Emergency telephone number: Poison control centre (Brussels): +32 (0)70 245 245.

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture
The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Regulation (EC) No 1272/2008 as amended

Physical hazards

Aerosol, Category 1	H222: Extremely flammable aerosol.
	H229: Pressurized container: May burst if heated.

Health hazards

Skin corrosion/irritation, Category 2	H315: Causes skin irritation.
Serious eye damage/eye irritation, Category 2	H319: Causes serious eye irritation.
Specific target organ toxicity – single exposure, Category 3 narcotic effects	H336: May cause drowsiness or dizziness.

Environmental hazards

Hazardous to the aquatic environment, long-term aquatic hazard, Category 2 H411: Toxic to aquatic life withy long-lasting effects.

Hazard summary: Aerosol CONTENTS UNDER PRESSURE. Pressurised container may explode when exposed to heat or flame. May cause drowsiness or dizziness. Causes serious eye irritation. Causes skin

irritation. Dangerous for the environment if discharged into watercourses. Occupational exposure to the substance or mixture may cause adverse health effects.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 as amended

Contains: acetone; propan-2-one; propanone, Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane, Hydrocarbons, C7, n-alkanes, isoalkanes, cyclic, Propan-2-ol; Isopropyl alcohol; Isopropanol.

Hazard pictogram(s):

GHS02 GHS07 GHS09

Signal word: Danger.

Hazard statements:

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

Precautionary statements:

Prevention:

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	Pressurised container: Do not pierce or burn, even after use.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P271	Use only outdoors or in a well-ventilated area.

Response: Not available.

Storage:

P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Disposal:

P501	Dispose of contents/container (in accordance with related regulations).

Supplemental label information: Regulation (EG) No 648/2004 on detergents: aliphatic hydrocarbons >30%.

2.3 Other hazards

This mixture does not contain substances assessed to be vPvB/PBT according to Regulation (EC) No 1907/2006, Annex XIII.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Chemical name	Product identification	%	Classification	Notes
Propan-2-ol, Isopropyl alcohol, Isopropanol	CAS-No.: 67-63-0 EC-No.: 200-661-7 Index No.: 603-117-00-0 REACH-No.: 01-2119457558-25	5-10	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclic	EC-No.: 927-510-4 REACH-No.: 01-2119475515-33	25-50	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Chronic 2, H411	
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	EC-No.: 921-024-6 REACH-No.: 01-2119475514-35	25-50	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Chronic 2, H411	
acetone; propan-2-one; propanone	CAS-No.: 67-64-1 EC-No.: 200-662-2 Index No.: 606-001-00-8 REACH-No.: 01-2119471330-49-xxxx	5-10	Flam. Liq. 2; H225 Eye Irrit. 2, H319 STOT SE 3, H336	#
Carbon dioxide	CAS-No.: 124-38-9 EC-No.: 204-696-9 REACH-No.: Exempt.	5-10	Press. Gas, H280	#

List of abbreviations and symbols that may be used above:
#: This substance has been assigned Union workplace exposure limit(s).
M: M-factor.
PBT: Persistent, bioaccumulative and toxic substance.
vPvB: Very persistent and very bioaccumulative substance.
All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Composition comments: The full text for all H-statements is displayed in section 16.

4. FIRST AID MEASURES

General information: Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

4.1 Description of first aid measures

First aid measures after eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
First aid measures after skin contact: Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
First aid measures after inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison centre or doctor/physician if you feel unwell.
First aid measures after ingestion: In the unlikely event of swallowing contact a physician or poison control centre. Rinse mouth.

4.2 Most important symptoms and effects, both acute and delayed

May cause drowsiness or dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

4.3 Indication of any immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

5. FIREFIGHTING MEASURES

General fire hazards: Extremely flammable aerosol.

5.1 Extinguishing media

Suitable extinguishing media: Water fog. Foam. Dry chemical powder. Carbon dioxide (CO_2).
Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

5.2 Special hazards arising from the substance or mixture

Contents under pressure. Pressurised container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed.

5.3 Advice for fire fighters

Special protective equipment for firefighters: Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.
Special fire fighting procedures: Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapour pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.
Specific methods: Use standard firefighting procedures and consider the hazards of other involved materials. In the event of fire and/or explosion do not breathe fumes.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist/vapours. Do not touch damaged containers of spilled materials unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

For emergency responders: Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.

6.2 Environmental precautions

Avoid release to the environment. Inform appropriate managerial of supervisory personnel of all environmental releases. Prevent further leakage or spillage of safe to do so. Avoid discharge into drains, water courses or onto the ground.

6.3 Methods and material for containment and cleaning up

Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep combustibles (wood, paper, oil etc.) away from spilled material. The product is immiscible with water and will spread on the water surface. Prevent product from entering drains. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

6.4 Reference to other sections

For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Pressurised container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame of any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not re-use empty containers. Avoid breathing mist/vapours. Avoid contact with eyes, skin and clothing. Avoid prolonged exposure. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.

7.2 Conditions for safe storage, including any incompatibilities

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store away from incompatible materials (see Section 10 of the SDS).

7.3 Specific end use(s)

Not available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupation exposure limits:

acetone; propan-2-one; propanone (67-64-1)	
Belgium – exposure limit values:	
Type	**Value**
TGG 15 min.	2420 mg/m³ 1000 ppm
TGG 8 h.	1210 mg/m³ 500 ppm

Carbon dioxide (124-38-9)	
Belgium – exposure limit values:	
Type	**Value**
TGG 15 min.	54784 mg/m³ 30000 ppm
TGG 8 h.	9131 mg/m³ 5000 ppm

Propan-2-ol, Isopropyl alcohol, Isopropanol (67-63-0)	
Belgium – exposure limit values:	
Type	**Value**
TGG 15 min.	1000 mg/m³ 400 ppm
TGG 8 h.	500 mg/m³ 200 ppm

acetone; propan-2-one; propanone (67-64-1)	
France - INRS, Occupational Exposure Limits to Chemical Agents:	
Type	**Value**
VLE	2420 mg/m³
Legal status: Binding Regulatory Limits (VRC).	
	1000 ppm
Legal status: Binding Regulatory Limits (VRC).	
VME	1210 mg/m³
Legal status: Binding Regulatory Limits (VRC).	
	500 ppm
Legal status: Binding Regulatory Limits (VRC).	

Carbon dioxide (124-38-9)	
France - INRS, Occupational Exposure Limits to Chemical Agents:	
Type	**Value**
VME	9000 mg/m³
Regulatory Status: Indicative Regulatory Limit Values (IRV).	
	5000 ppm
Regulatory Status: Indicative Regulatory Limit Values (IRV).	

Propan-2-ol, Isopropyl alcohol, Isopropanol (67-63-0)	
France - INRS, Occupational Exposure Limits to Chemical Agents:	
Type	**Value**
VLE	980 mg/m³
Regulatory status: Indicative limit.	
	400 ppm
Regulatory status: Indicative limit.	

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	
France – exposure limit values:	
Type	**Value**
VLCT	1500 mg/m³
VME	1000 mg/m³

acetone; propan-2-one; propanone (67-64-1)	
UK – EH40 Workplace Exposure Limits (WELs):	
Type	**Value**
STEL	3620 mg/m³ 1500 ppm
TWA	1210 mg/m³ 500 ppm

Carbon dioxide (124-38-9)	
UK – EH40 Workplace Exposure Limits (WELs):	
Type	**Value**
STEL	27400 mg/m³ 15000 ppm
TWA	9150 mg/m³ 5000 ppm

Propan-2-ol, Isopropyl alcohol, Isopropanol (67-63-0)	
UK – EH40 Workplace Exposure Limits (WELs):	
Type	**Value**
STEL	1250 mg/m³ 500 ppm
TWA	999 mg/m³ 400 ppm

acetone; propan-2-one; propanone (67-64-1)	
Germany – DFG-MAK list (recommended occupational exposure limit values). Commission examines health risks of chemical compounds in the workplace (DFG):	
Type	**Value**
TWA	1200 mg/m³ 500 ppm

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Carbon dioxide (124-38-9)	
Germany – DFG-MAK list (recommended occupational exposure limit values). Commission examines health risks of chemical compounds in the workplace (DFG):	
Type	**Value**
TWA	9100 mg/m³ 5000 ppm

Propan-2-ol, Isopropyl alcohol, Isopropanol (67-63-0)	
Germany – DFG-MAK list (recommended occupational exposure limit values). Commission examines health risks of chemical compounds in the workplace (DFG):	
Type	**Value**
TWA	500 mg/m³ 200 ppm

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	
Germany – TRGS 900:	
Type	**Value**
TWA	700 mg/m³

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	
Germany – TRGS 900:	
Type	**Value**
TWA	1500 mg/m³

Propan-2-ol, Isopropyl alcohol, Isopropanol (67-63-0)	
Germany – TRGS 900, Airborne Limit Values in the Workplace:	
Type	**Value**
AGW	500 mg/m³ 200 ppm

acetone; propan-2-one; propanone (67-64-1)	
Germany – TRGS 900, Airborne Limit Values in the Workplace:	
Type	**Value**
AGW	1200 mg/m³ 500 ppm

Carbon dioxide (124-38-9)	
Germany – TRGS 900, Airborne Limit Values in the Workplace:	
Type	**Value**
AGW	9100 mg/m³ 5000 ppm

acetone; propan-2-one; propanone (67-64-1)	
EU – Indicative exposure limit values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU	
Type	**Value**
TWA	1210 mg/m³ 500 ppm

Carbon dioxide (124-38-9)	
EU – Indicative exposure limit values in directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU	
Type	**Value**
TWA	9000 mg/m³ 5000 ppm

Recommended monitoring procedures: Follow standard monitoring procedures.

Biological limit values:

acetone; propan-2-one; propanone (67-64-1)			
France – Biological Exposure Indicators (BEI) (National Institute for Research and Security (INRS), ND (2065):			
Value	**Determining**	**Specimen**	**Sampling time**
100 mg/l	Acetone	Urine	*

acetone; propan-2-one; propanone (67-64-1)			
Germany - TRGS 903, list of BAT values (biological limit values):			
Value	**Determining**	**Specimen**	**Sampling time**
80 mg/l	Acetone-like	Urine	*

Propan-2-ol, Isopropyl alcohol, Isopropanol (67-63-0)			
Germany - TRGS 903, list of BAT values (biological limit values):			
Value	**Determining**	**Specimen**	**Sampling time**
25 mg/l	Acetone-like	Urine	*
25 mg/l	Acetone-like	Blood	*

*: See source document for sampling details.

Derived No Effect Level (DNELs):

Workers

Components	Value	Assessment factor	Notes
Propan-2-ol, Isopropyl alcohol, Isopropanol (67-63-0)			
Long-term, systemic, dermal	888 mg/kg bw/day	1	
Long-term, systemic, inhalation	500 mg/m³	1	
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane (921-024-6)			
Long-term, systemic, dermal	773 mg/kg bw/day		
Long-term, systemic, inhalation	2035 mg/m³		

General population

Components	Value	Assessment factor	Notes
Propan-2-ol, Isopropyl alcohol, Isopropanol (67-63-0)			
Long-term, systemic, dermal	319 mg/kg bw/day	2	Repeated dose toxicity.
Long-term, systemic, inhalation	89 mg/m³	2	Repeated dose toxicity.
Long-term, systemic, oral	26 mg/kg bw/day	2	Repeated dose toxicity.
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane (921-024-6)			
Long-term, systemic, dermal	699 mg/kg bw/day		
Long-term, systemic, inhalation	608 mg/m³		
Long-term, systemic, oral	699 mg/kg bw/day		

Predicted no-effect concentrations (PNECs):

Components	Value	Assessment factor	Notes
Propan-2-ol, Isopropyl alcohol, Isopropanol (67-63-0)			
Soil	28 mg/kg		
Marine water	140,9 mg/l	1	
Sediment (marine water)	552 mg/kg		
Sediment (freshwater)	552 mg/kg		
Secondary poisoning	160 mg/kg	30	Oral
Freshwater	140,9 mg/l	1	

8.2 Exposure controls

Appropriate engineering controls: Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station and safety shower.

Individual protection measures, such as personal protective equipment

General information: Use personal protective equipment as required. Personal protective equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Eye/face protection: Use eye protection conforming to EN 166.

Skin protection

Hand protection: When handling the product wear chemical-resistant gloves (standard EN 374). The breakthrough time of the glove should be longer than the total duration of product use. If work lasts longer than the breakthrough time, gloves should be changed part-way through. For prolonged or repeated skin contact use suitable protective gloves. Suitable gloves can be recommended by the glove supplier. Full contact: Glove material: Neoprene. Use gloves with breakthrough time of 480 minutes. Minimum glove thickness: 0.38 mm.

Other measures: Wear appropriate chemical resistant clothing.

Respiratory protection: Chemical respirator with organic vapour cartridge and full facepiece. (Filter type AX)

Thermal hazards: Wear appropriate thermal protective clothing, when necessary.

Hygiene measures: When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Environmental exposure controls: Inform appropriate managerial or supervisory personnel of all environmental releases. Emissions form ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. Fume scrubbers, filters or engineering modifications to the process equipment may be necessary to reduce emissions to acceptable levels.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state: Liquid.

Form: Aerosol.

Colour: Colourless.

Odour: Solvent.

Odour threshold:	Not available.
pH:	Not applicable.
Melting point/freezing point:	-94,7°C (-138,5°F) estimated.
Initial boiling point and boiling range:	56 – 99°C (132,8 – 210,2°F)
Flash point:	- 26,0°C (-14,8°F)
Evaporation rate:	2,8 (Ether=1).
Flammability (solid, gas):	Not available.
Flammability limit - lower:	2,5 % estimated.
Flammability limit - upper:	12,8 % estimated.
Vapour pressure:	Not available.
Vapour density:	3
Vapour density temperature:	20°C (68°F)
Relative density:	0,71 g/cm³
Relative density temperature:	20°C (68°F)
Solubility in water:	Insoluble in water.
Partition coefficient (n-octanol/water):	BLANK.
Auto-ignition temperature:	> 200°C (> 392°F)
Decomposition temperature:	Not available.
Viscosity:	Not available.
Explosive properties:	Not explosive.
Oxidising properties:	Not oxidising.

9.2 Other information

Aerosol spray enclosed space:

Deflagration density: Not available.

Aerosol spray ignition distance: Not available.

Chemical family: Cleaner.

VOC: 685 g/l.

10. STABILITY AND REACTIVITY

10.1 Reactivity

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

10.2 Chemical stability

Material is stable under normal conditions.

10.3 Possibility of hazardous reactions

No dangerous reactions known under conditions of normal use.

10.4 Conditions to avoid

Avoid high temperatures. Avoid temperatures exceeding the decomposition temperature.

10.5 Incompatible materials

Acids. Strong oxidising agent. Aluminium. Chlorine. Isocyanates.

10.6 Hazardous decomposition products

Carbon oxides.

11. TOXICOLOGICAL INFORMATION

General information: Occupational exposure to the substance or mixture may cause adverse effects.

Information on likely routes of exposure:
Inhalation: May cause drowsiness or dizziness. Headache. Nausea, vomiting. Prolonged inhalation may be harmful.
Skin contact: Causes skin irritation.
Eye contact: Causes serious eye irritation.
Ingestion: May cause discomfort if swallowed. However, ingestion is not likely to be primary route of occupational exposure.

Symptoms: May cause drowsiness or dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

11.1 Information on toxicological effects

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

Components	Species	Test Results
acetone; propan-2-one; propanone (67-64-1)		
Acute, Dermal, LD50	Rat	15800 mg/kg
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane		
Acute, Dermal, Liquid, LD50		2920 mg/kg bw/day, 24h
Acute, Inhalation, Vapour, LC50	Rat	30000 mg/m³, 4h
Acute, Oral, Liquid, LD50	Rat	5840 mg/kg bw/day

Skin corrosion/-irritation: Causes skin irritation.
Serious eye damage/irritation: Causes serious eye irritation.
Respiratory or skin sensitization: Based on available data, the classification criteria are not met.
Germ cell mutagenicity: Based on available data, the classification criteria are not met.
Carcinogenicity: Based on available data, the classification criteria are not met.
Reproductive toxicity: 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.
Mixture versus substance information: Not available.
Other information: Not available.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability

No data is available on the degradability of any ingredients in the mixture.

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log Kow)	
Propan-2-ol; Isopropyl alcohol; Isopropanol	0,05
acetone; propan-2-one; propanone	-0,24

Bioconcentration factor (BCF): Not available.

12.4 Mobility in soil
No data available.

12.5 Results of PBT and vPvB assessment
This mixture does not contain substances assessed to be vPvB/PBT according to Regulation (EC) No 1907/2006, Annex XIII.

12.6 Other adverse effects
The product contains volatile organic compounds which have a photochemical ozone creation.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Residual waste: Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging: Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.
EU waste code: The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Disposal methods/information: Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
Special precautions: Dispose in accordance with all applicable regulations.

14. TRANSPORT INFORMATION

14.1 UN number
ADR: UN1950
IMDG: UN1950
IATA: UN1950

14.2 UN proper shipping name
ADR: AEROSOLS
IMDG: AEROSOLS
IATA: AEROSOLS

14.3 Transport hazard class(es)
ADR
Class: 2.1
Subsidiary risk: -
Hazard number: Not available.
Tunnel restriction code: (D)
ADR/RID – Classification code: 5F

IMDG
Class: 2.1
Subsidiary risk: -

IATA
Class: 2.1
Subsidiary risk: -

14.4 Packing group
ADR: Not applicable.
IMDG: Not applicable.
IATA: Not applicable.

14.5 Environmental hazards
ADR: No.
IMDG:
Marine pollutant: No.
EmS: F-D, S-U
IATA: No.

14.6 Special precautions for user
Land transport (ADR): Read safety instructions, SDS and emergency procedures before handling.
Sea transport (IMDG): Read safety instructions, SDS and emergency procedures before handling.
Air transport (IATA): Read safety instructions, SDS and emergency procedures before handling.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not established.

ADR; IATA; IMDG:

15. REGULATORY INFORMATION

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

EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended: Not listed.
Regulation (EC) 2019/1021 on persistent organic pollutants (recast), as amended: Not listed.
Regulation (EC) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended: Not listed.
Regulation (EC) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended: Not listed.
Regulation (EC) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended: Not listed.
Regulation (EC) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended: Not listed.
Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended:
Acetone; propan-2-one; propanone (CAS 67-64-1)
Carbon dioxide (CAS 124-38-9)
Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA: Not listed.

Authorisations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended: Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restrictions on marketing and use as amended:
acetone; propan-2-one; propanone (CAS 67-64-1)
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)
Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended: Not listed.

Other EU regulations

Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended:
acetone; propan-2-one; propanone (CAS 67-64-1)
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)

Other regulations

The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Regulation) as amended. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006, as amended.

National regulations

This safety data sheet conforms to the following laws, regulations and standards:
Act on the management of packaging and packaging waste of June 13, 2013.
Regulation of the Minister of Health of June 11, 2012 on the categories of dangerous substances and dangerous preparations whose packaging should be fitted with child-resistant closures and a tactile warning of danger.
REGULATION OF THE MINISTER OF HEALTH of February 2, 2011 on tests and measurements of factors

harmful to health in working environments.
Regulation of Ministry of Labor and Social Policy of June 6, 2014. On the matter of maximum permissible concentrations and intensities of harmful factors in the work environment (Journal of Laws 2014, item. 817).
Chemical Safety at Workplace Ordinance Joint Decree No. 25/2000 (Annex 2): Permissible limit values of biological exposure (effect) indices Decree No. 25/2000. (IX. 30.) EüM-SzCsM of the Minister Health and the Minister of Social and Family Affairs of chemical safety at work Act No. 93 of 1993 on Labour Safety (1993.évi XCIII.), as amended.
Government Decree No. 220 of 2004 (VII. 21.) providing rules on the protection of surface waters quality.
Government Decree No. 98/2001 (VI. 15.), on the conditions of the activities related to hazardous waste, and Ministry of Environmental Affairs Decree No. 16/2001 (VII. 18.), on the register of wastes Public Act No. XXV of 2000 on Chemical Safety, and Application Decree No. 44/2000. (XII.27.) EüM [of the Ministry of Health].
Follow national regulation for work with chemical agents in accordance with Directive 98/24/EC, as amended.

French regulations
Occupational diseases: table n°: Table n° 84: Affections caused by liquid organic solvents for professional use
Occupational diseases: section: 603: Alcohols, polyalcohols and their nitric esters.

German Regulations
Water Hazard Class (WGK)
AwSV: WGK1

15.2 Chemical safety assessment
No information available.

16. OTHER INFORMATION

Full text of any H-statements not written out in full under Sections 2 to 15:
H225 Highly flammable liquid and vapour.
H280 Contains gas under pressure; may explode if heated.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.

Acronyms and synonyms:
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.
ATE: Acute Toxicity Estimate according to REGULATION (EC) No 1272/2008 (CLP).
CAS: Chemical Abstract Service.
Ceiling: Short Term Exposure Limit Ceiling value.
CEN: European Committee for Standardization.
CLP: Classification, Labelling and Packaging REGULATION (EU) No 1272/2008 on classification, labelling and packaging of substances and mixtures.
GWP: Global Warming Potential.
IATA: International Air Transport Association.
IBC: Intermediate Bulk Container.
IMDG: International Maritime Dangerous Goods.
MAK: Threshold limit values Germany (Maximum Arbeitsplatzkonzentration – DFG).
MARPOL: International Convention for the Prevention of Pollution from Ships.

PBT: Persistent, bioaccumulative, toxic.
REACH: Registration, Evaluation and Authorization of Chemicals (REGULATION (EC) No 1907/2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals).
RID: Regulations concerning the international carriage of dangerous goods by rail (Règlement International concernant le transport de marchandises dangereuses par chemin de fer).
STEL: Short term exposure limit.
TLV: Threshold Limit Value.
TWA: Time Weighted Average.
VOC: Volatile organic compounds.
vPvB: Very persistent and very bioaccumulative.

References: Not available.

Information on evaluation method leading to the classification of mixture: The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.