



MTN PRO GAS REFILL WHITOUT THINNER
Code: EX014PR0000



Version: 1 Date of compilation: 16/10/2018

Date of printing: 16/10/2018

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1	<p>PRODUCT IDENTIFIER: MTN PRO GAS REFILL WHITOUT THINNER Code: EX014PR0000</p> <p>CAS: 115-10-6 , EC: 204-065-8</p> <p>REACH REGISTER: <u>Register name:</u> Dimethyl ether <u>Register number:</u> 01-2119472128-37</p>	
1.2	<p>RELEVANT IDENTIFIED USES AND USES ADVISED AGAINST: <u>Intended uses (main technical functions):</u> Aerosol.</p> <p><u>Sectors of use (use as such or as an ingredient in mixtures):</u> Industrial manufacturing (SU3), industrial. Formulation (mixing) of preparations and/or re-packaging (SU10), industrial, professional. Professional uses (SU22), professional.</p> <p><u>Use in manufacture, formulation or application processes (relevant uses):</u> Professional use. Formulation of mixtures and/or re-packaging, industrial. Use of propellants, industrial.</p> <p><u>Use in products (relevant product categories):</u> Adhesives, sealants (PC1). Coatings and paints, thinners, paint removers (PC9a). Lubricants, greases, release products (PC24). Polishes and wax blends (PC31).</p> <p><u>Uses advised against:</u> This product is not recommended for any use or sector of use industrial, professional or consume other than those previously listed as 'Intended or identified uses'.</p> <p><u>Restrictions on manufacture, placing on market and use:</u> For professional users only. Shall not be used, as substance or as mixtures in aerosol dispensers where these aerosol dispensers are intended for supply to the general public for entertainment and decorative purposes.</p>	[X] Industrial [X] Professional [] Consumers
1.3	<p>DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET: MONTANA COLORS, S.L. Pol. Ind. Pla de les Vives - c/AnaisNin 6 - 08295 Sant Vicenç de Castellet (Barcelona) ESPAÑA Phone: +34 93 8332760 - Fax: +34 93 8332761 - www.montanacolors.com <u>E-mail address of the person responsible for the safety data sheet:</u> e-mail: msds@montanacolors.com</p>	
1.4	<p>EMERGENCY TELEPHONE NUMBER: +34 93 8332787 (9:00-17:00 h.) (working hours)</p>	Call CHEMTREC Day or Night. Within USA and Canada: 1-800-424-9300.

SECTION 2 : HAZARDS IDENTIFICATION

2.1	<p>CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:</p> <p><u>HMIS Hazard Ratings:</u></p> <table border="1"> <tr> <td>3</td> <td>HEALTH</td> <td>(3) Serious chronic health hazard</td> </tr> <tr> <td>4</td> <td>FLAMMABILITY</td> <td>(4) Very high flammability hazard</td> </tr> <tr> <td>1</td> <td>REACTIVITY</td> <td>(1) Low physicochemical hazard</td> </tr> <tr> <td>G</td> <td>PPE</td> <td>(G) Safety glasses, gloves and vapor respirator</td> </tr> </table> <p>Note: HMIS Hazard Ratings involve data and interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of the material, all the information contained in this SDS must be considered.</p> <p><u>Hazard classification of the chemical:</u> DANGER: Flam. Aerosol 1:H222+H229</p>						3	HEALTH	(3) Serious chronic health hazard	4	FLAMMABILITY	(4) Very high flammability hazard	1	REACTIVITY	(1) Low physicochemical hazard	G	PPE	(G) Safety glasses, gloves and vapor respirator	
3	HEALTH	(3) Serious chronic health hazard																	
4	FLAMMABILITY	(4) Very high flammability hazard																	
1	REACTIVITY	(1) Low physicochemical hazard																	
G	PPE	(G) Safety glasses, gloves and vapor respirator																	
	<table border="1"> <thead> <tr> <th>Danger class</th> <th>Classification of the substance</th> <th>Cat.</th> <th>Routes of exposure</th> <th>Target organs</th> <th>Effects</th> </tr> </thead> <tbody> <tr> <td> <u>Physicochemical:</u> </td> <td rowspan="3">Flam. Aerosol 1:H222+H229</td> <td rowspan="3">Cat.1</td> <td rowspan="3">-</td> <td rowspan="3">-</td> <td rowspan="3">-</td> </tr> <tr> <td> <u>Human health:</u> Not classified </td> </tr> <tr> <td> <u>Environment:</u> Not classified </td> </tr> </tbody> </table>	Danger class	Classification of the substance	Cat.	Routes of exposure	Target organs	Effects	<u>Physicochemical:</u> 	Flam. Aerosol 1:H222+H229	Cat.1	-	-	-	<u>Human health:</u> Not classified	<u>Environment:</u> Not classified				
Danger class	Classification of the substance	Cat.	Routes of exposure	Target organs	Effects														
<u>Physicochemical:</u> 	Flam. Aerosol 1:H222+H229	Cat.1	-	-	-														
<u>Human health:</u> Not classified																			
<u>Environment:</u> Not classified																			
	Full text of hazard statements mentioned is indicated in section 16.																		
2.2	<p>LABEL ELEMENTS:</p> <p> This product is labelled with the signal word DANGER</p> <p><u>Hazard statements:</u> H222 Extremely flammable aerosol. H229 Pressurized container: may burst if heated.</p> <p><u>Precautionary statements:</u> P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P103 Read label before use. 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. P271-P260d Use only outdoors or in a well-ventilated area. Do not breathe aerosol.</p>																		



MTN PRO GAS REFILL WHITOUT THINNER
Code: EX014PR0000




P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
P501a Dispose of contents/container in accordance with local regulations.
Supplementary statements:
None.
Substances that contribute to classification:
Dimethyl ether EC No. 204-065-8

- 2.3 OTHER HAZARDS:
Hazards which do not result in classification but which may contribute to the overall hazards of the substance:
Other physicochemical hazards: Vapours may form with air a mixture potentially flammable or explosive.
Other adverse human health effects: Prolonged exposure to vapours may produce transient drowsiness. In case of prolonged contact, the skin may become dry.
Other negative environmental effects: # *It is not considered a danger to the environment.*

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

- 3.1 SUBSTANCES:
This product is a mono constituent substance.
Chemical description:
Dimethyl ether.
CH₃-O-CH₃

INGREDIENTS:

50 < 100 %  Dimethyl ether
CAS: 115-10-6 , EC: 204-065-8
Danger: Flam. Gas 1:H220 | Press. Gas:H280

Impurities:
Does not contain other components or impurities which will influence the classification of the product.

Stabilizers:
None

Reference to other sections:
For more information on hazardous ingredients, see sections 8, 11, 12 and 16.

- 3.2 MIXTURES:
Not applicable (substance).

SECTION 4 : FIRST AID MEASURES

- 4.1 DESCRIPTION OF FIRST-AID MEASURES:



Symptoms may occur after exposure, so that in case of direct exposure to the product, when in doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. Lifeguards should pay attention to self-protection and use the recommended protective equipment if there is a possibility of exposure. Wear protective gloves when administering first aid.

Route of exposure	Symptoms and effects, acute and delayed	Description of first-aid measures
<u>Inhalation:</u>	Vapours may cause headache, dizziness, nausea, loss of coordination, drowsiness and for choking, loss of mobility and unconsciousness.	Remove the patient out of the contaminated area into the fresh air. If there is difficulty in breathing, apply oxygen. If breathing is irregular or stops, administer artificial respiration. If the person is unconscious, place in appropriate recovery position. Keep the patient warm and at rest until medical attention arrives.
<u>Skin:</u>	In case of prolonged contact, the skin may become dry.	In the case of freezing, rinse with plenty of water, do not throw away clothing and seek medical attention.
<u>Eyes:</u>	Contact with the eyes produces redness and pain.	Remove contact lenses. Rinse eyes copiously by irrigation with plenty of clean, fresh water for at least 15 minutes, holding the eyelids apart, until the irritation is reduced. If irritation persists, consult a physician.
<u>Ingestion:</u>	If swallowed, may cause nausea and vomiting.	If swallowed, seek immediate medical attention. Keep the patient at rest.

- 4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:
The main symptoms and effects are indicated in sections 4.1 and 11

- 4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:
Notes to physician: Treatment should be directed at the control of symptoms and the clinical condition of the patient.
Antidotes and contraindications: Not available.

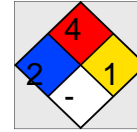


MTN PRO GAS REFILL WHITOUT THINNER
Code: EX014PR0000



SECTION 5 : FIRE-FIGHTING MEASURES

- 5.1 **EXTINGUISHING MEDIA:**
Extinguishing powder or atmosphere of CO₂.
- 5.2 **SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:**
Flammable gas. Decomposes when heated intensely. The pressure may increase and the container may explode if heated in a fire. Vapours may accumulate in low or confined areas, or travel a considerable distance to a source of ignition and flash back. As consequence of combustion or thermal decomposition, hazardous products may be produced: carbon monoxide, carbon dioxide. Exposure to combustion or decomposition products may be a hazard to health. Carbon monoxide is very toxic by inhalation. Carbon dioxide, in sufficient concentrations, may behave as a suffocating gas.
- 5.3 **ADVICE FOR FIREFIGHTERS:**
Special protective equipment: Depending on magnitude of fire, heat-proof protective clothing may be required, appropriate independent breathing apparatus, gloves, protective glasses or face masks and boots. If the fire-proof protective equipment is not available or not used, combat fire from a sheltered position or at a safe distance. The standard EN469 provides a basic level of protection for chemical incidents.
Other recommendations: Cool with water the tanks, cisterns or containers close to sources of heat or fire. Do not extinguish a leaking gas flame unless absolutely necessary since spontaneous explosive re-ignition may occur. Do not allow fire-fighting residue to enter drains, sewers or water courses.



ANSI/NFPA 704:
Health: 2
Flammability: 4
Reactivity: 1
Special key: -

SECTION 6 : ACCIDENTAL RELEASE MEASURES

- 6.1 **PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:**
Eliminate possible sources of ignition and when appropriate, ventilate the area. Do not smoke. Avoid direct contact with this product. Avoid breathing vapours. Keep people without protection in opposition to the wind direction.
- 6.2 **ENVIRONMENTAL PRECAUTIONS:**
Avoid contamination of drains, surface or subterranean water and soil. In the case of large scale spills or when the product contaminates lakes, rivers or sewages, inform the appropriate authorities in accordance with local regulations.
- 6.3 **METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:**
Contain and mop up spills with non-combustible absorbent materials (earth, sand, vermiculite, diatomaceous earth, etc.). Keep the remains in a closed container.

SECTION 7 : HANDLING AND STORAGE

- 7.1 **PRECAUTIONS FOR SAFE HANDLING:**
Comply with the existing legislation on health and safety at work.
General recommendations:
Avoid any type of leakage or escape.
Recommendations for the prevention of fire and explosion risks:
Pressurised container. Protect from sunlight and do not expose to temperature exceeding 50°C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Do not smoke.
- Flash point : -41 °C
- Autoignition temperature : 226 °C
- Upper/lower flammability or explosive limits : 3.3 - 26. % Volume 25°C
Recommendations for the prevention of toxicological risks:
Do not eat, drink or smoke while handling. After handling, wash hands with soap and water. Avoid applying the product directly to people, animals, plants or foodstuffs. For exposure controls and personal protection measures, see section 8.
Recommendations for the prevention of environmental contamination:
It is not considered a danger to the environment. In the case of accidental spillage, follow the instructions indicated in section 6.
- 7.2 **CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:**
Prevent unauthorized access. Keep out of reach of children. Keep in a cool place. This product should be stored isolated from heat and electrical sources. Do not smoke in storage area. If possible, avoid direct contact with sunlight. Avoid extreme humidity conditions. Keep container in a well-ventilated place. For more information, see section 10.
Class of store : According to current legislation.
Temperature interval : min: 5. °C, max: 50. °C (recommended).
Incompatible materials:
Keep away from reducing agents, oxidizing agents, acids, alkalis.
Type of packaging:
According to current legislation.



MTN PRO GAS REFILL WHITOUT THINNER
Code: EX014PR0000



SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS:
If a product contains ingredients with exposure limits, may be necessary a personnel monitoring, work place or biological, to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to EN689, EN14042 and EN482 standard concerning methods for assessing the exposure by inhalation to chemical agents, and exposure to chemical and biological agents. Reference should be also made to national guidance documents for methods for the determination of dangerous substances.

OCCUPATIONAL EXPOSURE LIMIT VALUES (TLV)

AGCIH 2017	Year	TLV-TWA		TLV-STEL		Remarks
		ppm	mg/m3	ppm	mg/m3	
Dimethyl ether		1000.	1920.	-	-	Recommended

TLV - Threshold Limit Value, TWA - Time Weighted Average, STEL - Short Term Exposure Limit.

BIOLOGICAL EXPOSURE INDICES (BEI):

Not available



MTN PRO GAS REFILL WHITOUT THINNER
Code: EX014PR0000



8.2

EXPOSURE CONTROLS:**ENGINEERING MEASURES:**

Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these measures are not sufficient to maintain concentrations of vapours below the Occupational Exposure Limits, suitable respiratory protection must be worn.

Protection of respiratory system: Avoid the inhalation of solvents.

Protection of eyes and face: It is recommended to dispose of water taps, sources or eyewash bottles with clean water close to the working area.

Protection of hands and skin: It is recommended to dispose of water taps or sources with clean water close to the working area. Barrier creams may help to protect the exposed areas of the skin. Barrier creams should not be applied once exposure has occurred.

OCCUPATIONAL EXPOSURE CONTROLS: Directive 89/686/EEC-96/58/EC:

As a general measure on prevention and safety in the work place, we recommend the use of a basic personal protection equipment (PPE), with the corresponding EC marking. For more information on personal protective equipment (storage, use, cleaning, maintenance, type and characteristics of the PPE, protection class, marking, category, etc.), you should consult the informative brochures provided by the manufacturers of PPE.

Mask:

Suitable combined filter mask for gases, vapours and particles (OSHA 29CFR 1910.134 and ANSI Z88.2). Classe 1: low capacity up to 1000 ppm, Classe 2: medium capacity up to 5000 ppm, Classe 3: high capacity up to 10000 ppm. In order to obtain a suitable protection level, the filter class must be selected depending on the type and concentration of the contaminating agents present, in accordance with the specifications supplied by the filter producers. The respiratory equipment with filters does not work satisfactorily when the air contains high concentrations of vapour or oxygen content less than 18% in volume.

Goggles:

Safety goggles with suitable lateral protection (OSHA 29CFR 1910.133). Clean daily and disinfect at regular intervals in accordance with the instructions of the manufacturer.

Face shield:

No.

Gloves:

Fluorocarbon rubber gloves, thick >0.7 mm (OSHA 29CFR 1910.132). Recommended minimal level 3, breakthrough time >60 min (protection for permanent contact). When you only expects a short contact, it is recommended to use gloves with a protection level 2 or higher, with a breakthrough time >30 min. The breakthrough time of the selected glove material should be in accordance with the pretended period of use. There are several factors (for example, temperature), they do in practice the period of use of a protective gloves resistant against chemicals is clearly lower than the established standard OSHA 29CFR 1910.132. For the selection of a specific type of gloves for specific applications, with certain duration, it should take into account relevant factors to the workplace (without limitation to them), such as: other chemicals which may be handled, physical requirements (protection against cutting/puncture, dextery, thermal protection), potential allergy to the material with which the gloves are made, etc.. Due to the wide variety of circumstances and possibilities, we must have in mind the manual of instructions from manufacturers of gloves. If used in solution or mixed with other substances, or under conditions different from the OSHA 29CFR 1910.132, please contact the supplier of gloves approved. The gloves should be immediately replaced when any sign of degradation is noted.

Boots:

No.

Apron:

No.

Clothing:

No.

Thermal hazards:

Not applicable (the product is handled at room temperature).

ENVIRONMENTAL EXPOSURE CONTROLS:

Avoid any spillage in the environment. Avoid any release into the atmosphere.

Spills on the soil: Prevent contamination of soil.

Spills in water: Do not allow to escape into drains, sewers or water courses.

Emissions to the atmosphere: Because of volatility, emissions to the atmosphere while handling and use may result, in special when it is used as a solvent. When possible, avoid solvent release to the atmosphere; do not pulverize more than is strictly necessary.

- VOC

:

661.0 g/l (-H₂O-es)

ASTM D-3960



MTN PRO GAS REFILL WHITOUT THINNER
Code: EX014PR0000



SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1	<p>INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:</p> <p><u>Appearance</u></p> <ul style="list-style-type: none"> - Physical state : Aerosol. - Colour : Colourless. - Odour : Characteristic - Odour threshold : Not available <p><u>pH-value</u></p> <ul style="list-style-type: none"> - pH : Not applicable (neutral organic substance). <p><u>Change of state</u></p> <ul style="list-style-type: none"> - Melting point : -138.5 °C - Initial boiling point : -23.7 °C at 760 mmHg <p><u>Density</u></p> <ul style="list-style-type: none"> - Vapour density : 1.59 at 20°C 1 atm. Relative air - Relative density : 0.661 at 20/4°C Relative water <p><u>Stability</u></p> <ul style="list-style-type: none"> - Decomposition temperature : Not available (lack of data). <p><u>Viscosity:</u></p> <ul style="list-style-type: none"> - Dynamic viscosity : Not applicable <p><u>Volatility:</u></p> <ul style="list-style-type: none"> - Evaporation rate : Not applicable - Vapour pressure : 510 kPa at 20°C - Vapour pressure : 1140 kPa at 50°C <p><u>Solubility(ies)</u></p> <ul style="list-style-type: none"> - Solubility in water: : Not miscible - Liposolubility : Not applicable - Partition coefficient: n-octanol/water : 0.07 (as log Pow) <p><u>Flammability:</u></p> <ul style="list-style-type: none"> - Flash point : -41 °C - Upper/lower flammability or explosive limits : 3.3 - 26. % Volume 25°C - Autoignition temperature : 226 °C <p><u>Explosive properties:</u></p> <p>In the molecule there is no chemical groups associated with explosive properties.</p> <p><u>Oxidizing properties:</u></p> <p>Not classified as oxidizing product.</p>
-----	--

9.2	<p>OTHER INFORMATION:</p> <ul style="list-style-type: none"> - Molecular weight (numeric) : 46.08 g/mol MWn - Heat of combustion : 7840 Kcal/kg - VOC (supply) : 100.0 % Weight <p>The values indicated do not always coincide with product specifications. The data for the product specifications can be found in the technical data sheet of the same. For additional information concerning physical and chemical properties related to safety and environment, see sections 7 and 12.</p>
-----	--

SECTION 10 : STABILITY AND REACTIVITY

10.1	<p>REACTIVITY:</p> <p><u>Corrosivity to metals:</u> It is not corrosive to metals.</p> <p><u>Pyrophorical properties:</u> It is not pyrophoric.</p>
10.2	<p>CHEMICAL STABILITY:</p> <p>Stable under recommended storage and handling conditions. Does not polymerize.</p>
10.3	<p>POSSIBILITY OF HAZARDOUS REACTIONS:</p> <p>Possible dangerous reaction with oxidizing agents, acids.</p>
10.4	<p>CONDITIONS TO AVOID:</p> <p><u>Heat:</u> Keep away from sources of heat.</p> <p><u>Light:</u> Avoid direct contact with sunlight.</p> <p><u>Air:</u> The product is not affected by exposure to air, but should not be left the containers open.</p> <p><u>Humidity:</u> Avoid extreme humidity conditions.</p> <p><u>Pressure:</u> Not relevant.</p> <p><u>Shock:</u> The product is not sensitive to shocks, but as a recommendation of a general nature should be avoided bumps and rough handling to avoid dents and breakage of packaging, especially when the product is handled in large quantities, and during loading and download operations.</p>
10.5	<p>INCOMPATIBLE MATERIALS:</p> <p>Keep away from reducing agents, oxidizing agents, acids, alkalis.</p>
10.6	<p>HAZARDOUS DECOMPOSITION PRODUCTS:</p> <p>As consequence of thermal decomposition, hazardous products may be produced: carbon monoxide.</p>



MTN PRO GAS REFILL WHITOUT THINNER
Code: EX014PR0000



SECTION 11 : TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS:

ACUTE TOXICITY:Dose and lethal concentrations :

Dimethyl ether

DL50 (OECD 401)
mg/kg oral

DL50 (OECD 402)
mg/kg cutaneous

CL50 (OECD 403)
mg/m³.4h inhalation
> 100000 Rat

No observed adverse effect level

Not available

Lowest observed adverse effect level

Not available

INFORMATION ON LIKELY ROUTES OF EXPOSURE : Acute toxicity:

Routes of exposure	Acute toxicity	Cat.	Main effects, acute and/or delayed
<u>Inhalation:</u> Not classified	CL50 > 100000 mg/m ³	-	Not classified as a product with acute toxicity if inhaled (based on available data, the classification criteria are not met).
<u>Skin:</u> Not classified	Not available	-	Not classified as a product with acute toxicity in contact with skin (based on available data, the classification criteria are not met).
<u>Eyes:</u> Not classified	Not available	-	Not classified as a product with acute toxicity by eye contact (lack of data).
<u>Ingestion:</u> Not classified	Not available	-	Not classified as a product with acute toxicity if swallowed (based on available data, the classification criteria are not met).

CORROSION / IRRITATION / SENSITISATION :

Danger class	Target organs	Cat.	Main effects, acute and/or delayed
<u>Respiratory corrosion/irritation:</u> Not classified	-	-	Not classified as a product corrosive or irritant by inhalation (based on available data, the classification criteria are not met).
<u>Skin corrosion/irritation:</u> Not classified	-	-	Not classified as a product corrosive or irritant in contact with skin (based on available data, the classification criteria are not met).
<u>Serious eye damage/irritation:</u> Not classified	-	-	Not classified as a product corrosive or irritant in contact with eyes (based on available data, the classification criteria are not met).
<u>Respiratory sensitisation:</u> Not classified	-	-	Not classified as a product sensitising by inhalation (based on available data, the classification criteria are not met).
<u>Skin sensitisation:</u> Not classified	-	-	Not classified as a product sensitising by skin contact (based on available data, the classification criteria are not met).

ASPIRATION HAZARD:

Danger class	Target organs	Cat.	Main effects, acute and/or delayed
<u>Aspiration hazard:</u> Not classified	-	-	# Not applicable.

SPECIFIC TARGET ORGANS TOXICITY (STOT): Single exposure (SE) and/or Repeated exposure (RE):

Not classified as a dangerous product for target organs (based on available data, the classification criteria are not met).

CMR EFFECTS:Carcinogenic effects: Is not considered as a carcinogenic product.Genotoxicity: Is not considered as a mutagenic product.Toxicity for reproduction: Do not harm fertility. Do not harm the fetus developing.Effects via lactation: Not classified as a hazardous product for children breast-fed.DELAYED AND IMMEDIATE EFFECTS AS WELL AS CHRONIC EFFECTS FROM SHORT AND LONG-TERM EXPOSURE:Routes of exposure: May be absorbed by inhalation of vapour, through the skin and by ingestion.Short-term exposure: Irritating to eyes, respiratory system and skin.Long-term or repeated exposure: Repeated or prolonged contact may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.INTERACTIVE EFFECTS:

Not available.



MTN PRO GAS REFILL WHITOUT THINNER
Code: EX014PR0000



SECTION 12 : ECOLOGICAL INFORMATION

12.1	TOXICITY:			
	<u>Acute toxicity in aquatic environment:</u>	<u>CL50 (OECD 203)</u> mg/l.96hours	<u>CE50 (OECD 202)</u> mg/l.48hours	<u>CE50 (OECD 201)</u> mg/l.72hours
	Dimethyl ether	4100. Fishes	4400. Daphnia	
	<u>No observed effect concentration</u> Not available			
	<u>Lowest observed effect concentration</u> Not available			
12.2	PERSISTENCE AND DEGRADABILITY:			
	<u>Biodegradability:</u> Not readily biodegradable.			
	<u>Aerobic biodegradation</u>	<u>DQO</u> mgO2/g	<u>%DBO/DQO</u> 5 days 14 days 28 days	<u>Biodegradability</u>
	Dimethyl ether	1041.	~ 1. ~ 3. ~ 5.	Not easy
	Note: Biodegradability data correspond to an average of data from various bibliographic sources.			
	<u>Hydrolysis:</u> Not applicable (the molecule does not contain hydrolysable functional groups).			
	<u>Photodegradability:</u> Because of indirect photochemical reactions, it is oxidized in the atmosphere mainly in contact with hydroxyl radicals, under the influence of sunlight. Atmospheric degradation is anticipated in a question of few days.			
12.3	BIOACCUMULATIVE POTENTIAL:			
	It is unlikely to bioaccumulate.			
	<u>Bioaccumulation</u>	<u>logPow</u>	<u>BCF</u> L/kg	<u>Potential</u>
	Dimethyl ether	0.0700	1.7 (calculated)	Not available
12.4	MOBILITY IN SOIL:			
	Not available.			
	<u>Mobility</u>	<u>logKoc</u>	<u>Constante de Henry</u> Pa·m ³ /mol·20°C	<u>Potential</u>
	Dimethyl ether	0.890	101. (calculated)	Not available
12.6	OTHER ADVERSE EFFECTS:			
	<u>Ozone depletion potential:</u> Not dangerous for the ozone layer. Sustancia no incluida en el Anexo I del Reglamento (CE) n° 2037/2000~1005/2009 sobre las sustancias que agotan la capa de ozono.			
	<u>Photochemical ozone creation potential:</u> It contributes relatively little to the formation of ozone in the troposphere.			
	<u>Earth global warming potential:</u> In case of fire or incineration liberates CO ₂ .			
	<u>Endocrine disrupting potential:</u> No.			

SECTION 13 : DISPOSAL CONSIDERATIONS

13.1	WASTE TREATMENT METHODS: Directive 2008/98/EC~Regulation (EU) no. 1357/2014:
	Take all necessary measures to prevent the production of waste whenever possible. Analyse possible methods for revaluation or recycling. Do not discharge into drains or the environment, dispose of at an authorised waste collection point. Waste should be handled and disposed of in accordance with current local and national regulations. For exposure controls and personal protection measures, see section 8.
	<u>Disposal of empty containers:</u>
	Emptied containers and packaging should be disposed of in accordance with currently local and national regulations. The classification of packaging as hazardous waste will depend on the degree of emptying of the same, being the holder of the residue responsible for their classification, With contaminated containers and packaging, adopt the same measures as for the product in itself. Ensure the container is completely empty before throwing it away.
	<u>Procedures for neutralising or destroying the product:</u>
	In accordance with local regulations. Do not incinerate closed containers.



MTN PRO GAS REFILL WHITOUT THINNER
Code: EX014PR0000



SECTION 14 : TRANSPORT INFORMATION

14.1 UN NUMBER: 1950

14.2 UN PROPER SHIPPING NAME:
AEROSOLS

14.3 TRANSPORT HAZARD CLASS(ES) AND PACKING GROUP:

14.4

Transport by road (ADR 2017) and
Transport by rail (RID 2017):

- Class:	2
- Packaging group:	-
- Classification code:	5F
- Tunnel restriction code:	(D)
- Transport category:	2 , max. ADR 1.1.3.6. 333 L
- Limited quantities:	1 L (see total exemptions ADR 3.4)
- Transport document:	Consignment paper.
- Instructions in writing:	ADR 5.4.3.4

Transport by sea (IMDG 38-16):

- Class:	2.1 (Division 2.1)
- Packaging group:	-
- Emergency Sheet (EmS):	F-D,S-U
- First Aid Guide (MFAG):	620*
- Marine pollutant:	No.
- Transport document:	Shipping Bill of lading.

Transport by air (ICAO/IATA 2017):

- Class:	2.1 (Division 2.1)
- Packaging group:	-
- Transport document:	Air Bill of lading.

Transport by inland waterways (ADN):

Not available.

14.5 ENVIRONMENTAL HAZARDS:
Not applicable (not classified as hazardous for the environment).

14.6 SPECIAL PRECAUTIONS FOR USER:
Ensure that persons transporting the product know what to do in case of accident or spill. Always transport in closed containers that are upright and secure. Ensure adequate ventilation.

14.7 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE:
Not applicable.

SECTION 15 : REGULATORY INFORMATION

15.1 USA REGULATIONS:

- Occupational Safety and Health Act (OSHA):

This product is considered to be hazardous under the OSHA Hazard Communication Standard.

- Clean Air Act:

· 112(r) Hazardous air pollutants (HAP) (40CFR 68):

Dimethyl ether: Threshold quantity (TQ): 10000 lbs.

The TQ applies to the quantity of substance in an release process, not at the facility as a whole.

- Clean Water Act:

· 307 Hazardous water priority pollutants (HWPP): No.

- Comprehensive Environmental Response, Compensation and Liability Act (CERCLA):

If this product is accidentally spilled, it is not subject to any special reporting under the requirements of the Comprehensive Response, Compensation and Liability Act. We recommend you contact authorities to determine if there may be other local reporting requirements.

- Superfund Amendments and Reauthorization Act (SARA Title III):

· 302/304 Extremely Hazardous Substances (EHS) for Emergency release notification (40CFR 355): No.

· 313 Reportable Ingredients (40CFR 372): No.

· 311/312 Hazard Categories (40CFR 370): Yes.

- Toxic Substance Control Act (TSCA):

All chemical substances in this product comply with all applicable rules or order under TSCA.

- California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986):

This product does not contain chemical substances known to the State of California to cause cancer or reproductive toxicity.

OTHER REGULATIONS:

Other local legislations:

The receiver should verify the possible existence of local regulations applicable to the chemical.



MTN PRO GAS REFILL WHITOUT THINNER
Code: EX014PR0000

**SECTION 16 : OTHER INFORMATION**TEXT OF THE PHRASES AND NOTES REFERENCED IN SECTIONS 2 AND/OR 3:

Hazard statements according the Regulation (EU) No. 1272/2008-2017/776 (CLP), Anexo III:

H220 Extremely flammable gas. H280 Contains gas under pressure: may explode if heated.

ADVICES ON ANY TRAINING APPROPRIATE FOR WORKERS:

It is recommended for all staff that will handle this product to carry out a basic training in occupational risk and prevention, in order to provide understanding and interpretation of material safety data sheets and labelling of products as well.

MAIN LITERATURE REFERENCES AND SOURCES FOR DATA:

- European Chemicals Agency: ECHA, <http://echa.europa.eu/>
- Access to European Union Law, <http://eur-lex.europa.eu/>
- Industrial Solvents Handbook, Ibert Mellan (Noyes Data Co., 1970).
- Threshold Limit Values, (AGCIH, 2016).
- European agreement on the international carriage of dangerous goods by road, (ADR 2017).
- International Maritime Dangerous Goods Code IMDG including Amendment 38-16 (IMO, 2016).

ABBREVIATIONS AND ACRONYMS:

List of abbreviations and acronyms that can be used (but not necessarily used) in this material safety data sheet:

- GHS: Globally Harmonized System of Classification and Labelling of Chemicals of the United Nations.
- CLP: European regularion on Classificatin, Labelling amd Packaging of substances and chemical mixtures.
- CAS: Chemical Abstracts Service (Division of the American Chemical Society).
- UVCB: Substances of Unknown or Variable composition, complex reaction products or biological materials).
- VOC: Volatile Organic Compounds.
- LD50: Letal dose, 50 percent.
- LC50: Letal concentration, 50 percent.
- UN: United Nations Organisation.
- ADR: European agreement concerning the international carriage of dangeous goods by road.
- RID: Regulations concerning the international transport of dangeous goods by rail.
- IMDG: International Maritime code for Dangerous Goods.
- IATA: International Air Transport Association.
- ICAO: International Civil Aviation Organization.

SAFETY DATA SHEET REGULATIONS:

Safety Data Sheet in accordance with the requirements of the OSHA Hazard Communication Standard, 29CFR 1910.1200.

HISTORY:

Version: 1

Date of compilation:

16/10/2018

The information of this Safety Data Sheet, is based on the present state of knowledge and on current UE and national laws, as the users' working conditions are beyond our knowledge and control. The product is not to be used for other purposes than those specified, without first obtaining written handling instruction. It is always the responsibility of the user to take all necessary steps in order to fulfil the demand laid down in the local rules and legislation. The information in this Material Safety Data Sheet is meant as a description of the safety requirements of the product and it is not to be considered as a guarantee of the product's properties.