

2.1 Low VOC Medium Reducer

1. Identification

Product identifier: 2.1 Low VOC Medium Reducer

Other means of identification: ---

Recommended use: Paint thinner

Restriction on use: For domestic and professional use

Supplier Name: P.O.R. Products

38, Portman Road New Rochelle, New-York

10801 USA

Telephone: 914 636-0700 **Emergency tel. number:** 914 636-0700

Available hours: 8h-17h

2. Hazard identification

Signal word: DANGER

Product classification:







Flammable liquids - Category 2.

Carcinogenicity - Category 2. Reproductive toxicity - Category 2.

Skin irritation - Category 2. Serious eye irritation - Category 2A. Skin sensitization - Category 1B. Specific target organ toxicity – single exposure - Category 3 Respiratory tract irritation.

Hazard statement(s): H225 - Highly flammable liquid and vapour.

H351 - Suspected of causing cancer.

H361 - Suspected of damaging fertility or the unborn child.

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H319 - Causes serious eye irritation.

H335 - May cause respiratory irritation.

Precautionary statement(s)

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. For large container, ground and bond container and receiving equipment. Use explosion-proof electrical, ventilating and lightning equipment. Use non-sparking tools. Take action to prevent static discharges. Avoid breathing mist, vapours, and spray. Wash hands thoroughly after handling and any other part of the body that may have been exposed to the product. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves, protective clothing, eye and face protection.

Response: IF ON SKIN (or hair): Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation or a rash







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occurs: Get medical advice. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell. IF exposed or concerned: Get medical advice. In case of fire: Use an appropriate extinguisher.

Storage: Keep container tightly closed. Keep cool. Store in a well ventilated place. Store locked up.

Disposal: Dispose of contents/container in accordance with local, regional, national and/or international regulations in force.

Other hazards: Moderately toxic by intravenous, intraperitoneal route and subcutaneous routes.

See toxicological information, section 11

3. Composition/Information on ingredients

No	CAS No :	Common name and synonyms	Concentration % (w/w)
1	98-56-6	p-Chlorobenzotrifluoride	30.00 - 60.00 *
2	67-64-1	Acetone. Dimethyl ketone. 2-propanone	30.00 - 60.00 *
3	108-32-7	Propylene carbonate. 4-Methyl-1,3-dioxolan-2-one	1.99

^{*} The actual concentration range is withheld as a trade secret.

4. First-aid measures

If swallowed, irritation, any type of overexposure or symptoms of overexposure occur during use of the product or persists after use, immediately contact a POISON CENTER, an EMERGENCY ROOM or a PHYSICIAN; ensure that the product safety data sheet is available.

Eye contact: Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention as soon as possible.

Skin contact: Remove contaminated clothing immediately. Wash the skin with soap and water. Thoroughly wet contaminated clothing. If irritation persists, consult a doctor.

Inhalation: Move exposed person to fresh air. Keep this person warm and lying down. Loosen tight clothing such as a collar, tie, belt or waistband. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention immediately.

Ingestion: If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do not induce vomiting unless instructed by medical personnel.

Symptoms: This product is irritating to skin, eyes, respiratory and digestive tracts. The severity of symptoms can vary depending on the exposure conditions (contact time, product concentration, etc.). The worker may develop cutaneous hypersensitivity.

Effects (acute or delayed): This product is a serious irritant that may cause reversible damages to the cornea. May cause coughing and dry throat. Possible erythema of the skin. May cause skin sensitization. Repeated exposure of this product may lead to the development of cancerous tumors.

Immediate medical attention and special treatment: No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.







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5. Fire-fighting measures

Suitable extinguishing media: Use dry chemical, CO₂, water spray (fog) or foam.

Unsuitable extinguishing media: Jets of water can facilitate the spread of fire.

Specific hazards arising from the hazardous product: Flammable. Vapors may form explosive mixtures with air. The vapors are heavier than air and may travel to an ignition source. May release dangerous fumes.

Hazardous combustion products: Carbon monoxide and dioxide. Hydrofluoric acid. Hydrochloric acid and phosgen.

Special protective equipment and precautions for fire-fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental release measures

Personal precautions: No action shall be taken involving any personal risk or if you do not have suitable training or protection. Evacuate surrounding areas. Do not touch or walk through spilled material. Shut off all heating and ignition sources. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).

Protective equipment and emergency procedures: Avoid dispersal of spilled material, runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution. Use inert absorbent or retention tubes in the event of a large spill.

Methods and materials for containment and cleaning up: Stop leak if without risk. Move containers from spill area. Contain leaks and pick up with non-combustible absorbent materials such as sand, earth or vermiculite. Then, place in an appropriate waste disposal container according to local regulations. Dispose of via a licensed waste disposal contractor.

7. Handling and storage

Precautions for safe handling: Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Avoid exposure - obtain special instructions before use. Avoid contact with eyes, skin and clothing. Do not ingest. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use non-sparking tools. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.

Conditions for safe storage: Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Incompatibility: Strong acids and bases as well as strong oxidizing agent. Oxidizers. Chlorine bleach. Hydrogen peroxide.







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8. Exposure Controls/ Personal protection

Control parameters:

Occupational exposure limit values:

Alberta

No	CAS No :	Common name and synonyms	8-hour occupational exposure limit (TWA)		15-minute o		Ceiling ccupational exposure limit	
			ppm	mg/m³	ppm	mg/m³	ppm	mg/m³
1	98-56-6	p-Chlorobenzotrifluoride	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed
2	67-64-1	Acetone. Dimethyl ketone. 2-propanone	500	1200	750	1800	Not listed	Not listed
3	108-32-7	Propylene carbonate. 4-Methyl-1,3-dioxolan-2-one	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed

British-Columbia

No	CAS No :	Common name and synonyms			15-minute o	•	Ceiling ccupational exposure limit	
			ppm	mg/m³	ppm	mg/m³	ppm	mg/m³
1	98-56-6	p-Chlorobenzotrifluoride	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed
2	67-64-1	Acetone. Dimethyl ketone. 2-propanone	250	Not listed	500	Not listed	Not listed	Not listed
3	108-32-7	Propylene carbonate. 4-Methyl-1,3-dioxolan-2-one	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed

Ontario

No	CAS No :	Common name and synonyms	8-hour occupational exposure limit (TWA)		15-minute o exposure li	•	Ceiling ccupational exposure limit	
			ppm	mg/m³	ppm	mg/m³	ppm	mg/m³
1	98-56-6	p-Chlorobenzotrifluoride	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed
2	67-64-1	Acetone. Dimethyl ketone. 2-propanone	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed
3	108-32-7	Propylene carbonate. 4-Methyl-1,3-dioxolan-2-one	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed

Quebec

No	CAS No :	Common name and synonyms	8-hour occupational exposure limit (TWA)		15-minute o	•	Ceiling ccupational exposure limit	
			ppm	mg/m³	ppm	mg/m³	ppm	mg/m³
1	98-56-6	p-Chlorobenzotrifluoride	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed
2	67-64-1	Acetone. Dimethyl ketone. 2-propanone	250	595	500	1190	Not listed	Not listed
3	108-32-7	Propylene carbonate. 4-Methyl-1,3-dioxolan-2-one	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed







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Saskatchewan

No	CAS No :	Common name and synonyms	8-hour occupational exposure limit (TWA)		15-minute o		Ceiling ccupational exposure limit	
			ppm	mg/m³	ppm	mg/m³	ppm	mg/m³
1	98-56-6	p-Chlorobenzotrifluoride	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed
2	67-64-1	Acetone. Dimethyl ketone. 2-propanone	500	Not listed	750	Not listed	Not listed	Not listed
3	108-32-7	Propylene carbonate. 4-Methyl-1,3-dioxolan-2-one	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed

United States

No	CAS No :	Common name and synonyms	IDLH	Re	egulatory	Limits	Recommen	ded Limits
			NIOSH	OSHA	PEL	California / OSHA PEL	NIOSH REL	ACGIH ® 2019 TLV ®
				ppm	mg/m ³	8-hour TWA (ST) STEL (C) Ceiling	Up to 10-hour TWA (ST) STEL (C) Ceiling	8-hour TWA (ST) STEL (C) Ceiling
1	98-56-6	p-Chlorobenzotrifluoride	Not listed	Not listed	2.5	2.5 mg/m3	2.5 mg/m3	2.5 mg/m3
2	67-64-1	Acetone. Dimethyl ketone. 2-propanone	5938	1000	2400	500 ppm (ST) 750 ppm (C) 3000 ppm	250 ppm	250 ppm (ST) 500 ppm
3	108-32-7	Propylene carbonate. 4-Methyl-1,3-dioxolan-2-one	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed

IDLH: Immediately Dangerous to Life or Health Concentrations NIOSH: National Institute for Occupational Safety and Health

OSHA: Occupational Safety and Health Administration

PEL: Permissible Exposure Limits

California / OSHA: California Division of Occupational Safety and Health

REL: Recommended Exposure Limits

ACGIH ®: American Conference of Governmental Industrial Hygienists

TLV ®: Threshold Limit Values

Appropriate engineering controls: When a worker is exposed to a substance identified as having a demonstrated or suspected carcinogenic, mutagenic and/or reprotoxic effect on humans, exposure must be kept to a minimum, even when it remains within the expected standards regardless of the duration of exposure. Recirculation must be prohibited. Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Individual protection measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eyes: DO NOT WEAR CONTACT LENSES. Wear anti-splash safety goggles.

Hands: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties.

Respiratory: If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly







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fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Others: Wear protective clothing with long sleeves and appropriate safety shoes at all times.

9. Physical and chemical properties

Physical state: Liquid

Colour: Clear Odour: Acetone

Melting/Freezing point: < -34 °C (-29.2 °F)

Initial boiling point/boiling range: > 56 °C (132.8 °F)

Flammability: Yes

Lower flammable/explosive limit: 2.5 % at $25 \degree$ C Upper flammable/explosive limit: 12.8 % at $25 \degree$ C

Flash point: - 17 °C (1.4 °F) Closed cup Auto-ignition temperature: > 450 °C (842 °F) Decomposition temperature: Not available

pH: Not applicable

Kinematic viscosity: < 20,5 mm²/s (at 40 °C)

Solubility (in water): Partially

Partition coefficient - n-octanol/water (Log Kow): > 1

Vapour pressure: > 10 mm Hg at 20 °C

Density and relative density: 1.019 kg/L at 20 °C (water = 1)

Relative vapour density: > 1 (air = 1)

Particle characteristics: Not applicable

10. Stability and reactivity

Reactivity: Stable under recommended conditions of storage and handling. Exposure to direct sunlight can cause the formation of carbon monoxide.

Chemical stability: The product is chemically stable under normal conditions of use.

Possibility of hazardous reactions: No dangerous or polymerization reactions will not occur under normal conditions of use. Danger of explosion when heated. May react violently or explode upon contact many organic and inorganic compounds. Emits toxic fumes when heated.

Conditions to avoid: Avoid electrical discharge. Keep away from sources of ignition, open flames and sparks. Keep away from incompatible products (see section 7). Some risk may be expected of corrosive and toxic decomposition products. To avoid thermal decomposition, do not overheat.

Incompatible materials: This product may attack certain metals, types of plastics, rubbers or coatings.

Hazardous decomposition products: Carbon monoxide and dioxide. Chlorides.



Prepared by

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11. Toxicological information

	Oral	Dermal	Inhalation gases	Inhalation vapours	Inhalation dusts/mists
ATE _{product}	240000 mg/kg	6060.61 mg/kg	N/A	> 20 mg/l	> 5 mg/l

No	CAS No :	Common name and synonyms	LD ₅₀ oral mg/kg	LD ₅₀ skin mg/kg	LC ₅₀ inhalation ppmV 4h - gases	LC ₅₀ inhalation mg/l 4h - vapours	LC ₅₀ inhalation mg/l 4h - dusts-mist
1	98-56-6	p-Chlorobenzotrifluoride	13000	3300	N/A	22	> 5.00
2	67-64-1	Acetone. Dimethyl ketone. 2-propanone	5800	> 15800	N/A	76	> 15.00
3	108-32-7	Propylene carbonate. 4-Methyl-1,3-dioxolan-2-one	> 5000	> 5000	N/A	> 20.00	> 5.00

Routes of exposure: This product is absorbed through the respiratory tract, skin and gastrointestinal tract.

Symptoms: This product is irritating to skin, eyes, respiratory and digestive tracts. The severity of symptoms can vary depending on the exposure conditions (contact time, product concentration, etc.). The worker may develop cutaneous hypersensitivity.

Delayed and immediate effects: This product is a serious irritant that may cause reversible damages to the cornea. May cause coughing and dry throat. Possible erythema of the skin. May cause skin sensitization. Repeated exposure of this product may lead to the development of cancerous tumors.

Aspiration hazard	N/A
Skin corrosion - Skin irritation	Yes
Serious eye damage - Serious eye irritation - Eye irritation	Yes
Skin sensitization	Yes
Respiratory sensitization	N/A
Specific target organ toxicity – single exposure	N/A
Specific target organ toxicity – single exposure Category 3 Narcotic effects	N/A
Specific target organ toxicity – single exposure Category 3 Respiratory tract irritation	Yes
Specific target organ toxicity – repeated exposure	N/A







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No	CAS No :	Common name and synonyms	IARC	ACGIH	Mutagenicity	Effect on reproduction
1	98-56-6	p-Chlorobenzotrifluoride	2B	Not listed	The data do not allow for an adequate assessment of mutagenic effects.	Possible risk of impaired fertility.
2	67-64-1	Acetone. Dimethyl ketone. 2-propanone	Not listed	A4	No effects shown.	The data do not allow for an adequate evaluation of the effects on reproduction. The data do not allow for an adequate evaluation of the effects on development.
3	108-32-7	Propylene carbonate. 4-Methyl-1,3-dioxolan-2-one	Not listed	Not listed	The data do not allow for an adequate assessment of mutagenic effects.	No effects shown.

Cancer classification under IARC (International Agency for Research on Cancer)

Group 1: carcinogenic to humans.

Group 2A: probably carcinogenic to humans.

Group 2B: possibly carcinogenic to humans.

Group 3: not classifiable as to its carcinogenicity to humans.

Group 4: probably not carcinogenic to humans.

Cancer classification under ACGIH (American Conference of Governmental Industrial Hygienists)

Group A1: confirmed human carcinogen.

Group A2: suspected human carcinogen.

Group A3: confirmed animal carcinogen with unknown relevance to humans.

Group A4: not classifiable as a human carcinogen.

Group A5: not suspected as a human carcinogen.







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12. Ecological information

Ecotoxicity

No	CAS No :	Common name and synonyms	%	Aquatic Ecotoxicity short term	Aquatic Ecotoxicity long term	Terrestrial Ecotoxicity
1	98-56-6	p-Chlorobenzotrifluoride	30.00 - 60.00	Not available.	Toxic to aquatic life with long lasting effects.	No known adverse effect to the environment.
2	67-64-1	Acetone. Dimethyl ketone. 2-propanone	30.00 - 60.00	No known adverse effect to aquatic life.	No known adverse effect to aquatic life.	No known adverse effect to the environment.
3	108-32-7	Propylene carbonate. 4-Methyl-1,3-dioxolan-2-one	1.99	No known adverse effect to aquatic life.	No known adverse effect to aquatic life.	No known adverse effect to the environment.

Persistence and degradability. Bioaccumulative potential. Other adverse effects

No	CAS No :	Common name and synonyms	%	Persistent	Bio- accumulation	Aquatic ecotoxicity
1	98-56-6	p-Chlorobenzotrifluoride	30.00 - 60.00	N/A	N/A	N/A
2	67-64-1	Acetone. Dimethyl ketone. 2-propanone	30.00 - 60.00	Yes	No	No
3	108-32-7	Propylene carbonate. 4-Methyl-1,3-dioxolan-2-one	1.99	No	No	No

Degradability: N/A Mobility in soil: N/A

13. Disposal considerations

Methods of disposal: The generation of waste should be avoided or minimized wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally.







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14. Transport information

	TDG	DOT	IMDG IATA		
UN Number	1993	1993	1993	1993	
Proper shipping name	FLAMMABLE LIQUID, N.O.S. (Acetone)	FLAMMABLE LIQUID, N.O.S. (Acetone)	FLAMMABLE LIQUID, N.O.S. (Acetone)	FLAMMABLE LIQUID, N.O.S. (Acetone)	
Transport hazard class(es)	3	3	3	3	
Packing group	II	II	II	II	

Canada - ERAP

Not applicable

United States - Reportable Quantities (RQ)

No	CAS No :	Common name and synonyms	RQ lbs (kg)
1	67-64-1	Acetone. Dimethyl ketone. 2-propanone	5000 (2270)

Transport in bulk (according to Annex II of the International Convention for the Prevention of Pollution From Ships, 1973, as modified by the Protocol of 1978 (MARPOL 73/78), and the International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk (IBC Code)): N/A

Marine pollutant: No

Exemption for limited quantity: 1 L

In accordance with the Canadian Transport of Dangerous Goods regulations by Road, we use the 1.17 exemption when applicable. In accordance with 49 CFR article 172.315 for transportation by a mode other than air, we use the Limited quantities exemption when applicable.

Other exemptions: No other exemption.

Special precautions: Not applicable

15. Regulatory information

Canada

No	CAS No :	Common name and synonyms	%	DSL	NDSL	NPRI
1	98-56-6	p-Chlorobenzotrifluoride	30.00 - 60.00	Х		
2	67-64-1	Acetone. Dimethyl ketone. 2-propanone	30.00 - 60.00	Х		
3	108-32-7	Propylene carbonate. 4-Methyl-1,3-dioxolan-2-one	1.99	Х		







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United States

No	CAS No :	Common name and synonyms	%	TSCA	PROP-65	RTK
1	98-56-6	p-Chlorobenzotrifluoride	30.00 - 60.00	Х	Х	
2	67-64-1	Acetone. Dimethyl ketone. 2-propanone	30.00 - 60.00	Х		Х
3	108-32-7	Propylene carbonate. 4-Methyl-1,3-dioxolan-2-one	1.99	Х		

The classification of the product and the SDS were developped in accordance with HPR and HazCom 2012.

16. Other information

Date: 2024-02-19

Version: 1

Notice to reader: The manufacturer hereby declares that the information disclosed herein have been based on governmental sites and/or raw material supplier's. The manufacturer has no control over the nature and content of such information. The manufacturer fully reproduces all the information it holds on the constituent of the product, at the time it is manufactured. The manufacturer does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. By this data sheet, the manufacturer hereby discloses all the potential dangers it has knowledge of and which might be related to the using or manipulation of the product in order to allow the proper care to be brought and use with regard to the product. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist and notification is hereby given to the user. Notice is hereby given that injury can derive therefrom if the foregoing is not respected. The manufacturer assumes no responsibility for personal and/or material damage, lost or injury of whichever nature caused or which may occur following the wrongful, inappropriate, negligent or abusive use or handling of the product or from not having read the herein contained information.



