

SECTION 1: Identification of the substance/mixture and of the company/undertaking
1.1. Product identifier

Substance / mixture

Polynor Foam Cleaner (spray)

aerosol mixture

1.2. Relevant identified uses of the substance or mixture and uses advised against Mixture's intended use

Universal thinner and cleaner, removes paint, varnish, silicone, wax and tar residues.

Mixture uses advised against

The product should not be used in ways other than those referred in Section 1.

1.3. Details of the supplier of the safety data sheet Manufacturer

Name or trade name

JSC "INSOLA"

Lauko str. 23, Šventininkų village, Trakų district, LT-21156, Lithuania

Ph./fax: +370 67488421

E-mail: info@insola.lt

Website: www.insola.lt

1.4. Emergency Telephone Number: In case of emergency contact your local healthcare provider (poison centre).

Below is a list of nationally appointed bodies and their contact details for direct inquiries in relation to the submission of information for the purpose of emergency health response.

Full list contacts of National Appointed Bodies (and/or Poison Centre's) across the EU please see:

<https://poisoncentres.echa.europa.eu/appointed-bodies>

Austria	Poisons Information Centre	+43 1 406 43 43
Belgium	Centre Antipoisons	+32022649636
Bulgaria	Temporary body - Ministry of Health	+359 2 9301214
Croatia	Croatian Institute of Public Health, Division for Toxicology	+38514686910
Cyprus	Ministry of Labour, Welfare and Social Insurance, Department of Labour Inspection	+35722405611
Czech Republic	Ministry of Health of the Czech Republic Chemical Substances and Biocidal Products Unit	+420267082257
Denmark	Danish Environmental Protection Agency	+45 72 54 40 00
Estonia	Health Board	+372 794 3500
Finland	Finnish Safety and Chemicals Agency (Tukes)	+358 5052 000
France	French National Products and Composition Database (B.N.P.C.); French Poison and toxicovigilance Centre Network	+ 33 3 83 85 21 92
Germany	German Federal Institute for Risk Assessment	+49-30-18412-0
Greece	Hellenic Republic Independent Authority for Public Revenue D.G. of the General Chemical State Laboratory Directorate of Energy, Industrial and Chemical Products	+302106479250
Hungary	National Public Health Center	+36 (1) 476 1135
Iceland	Poisons Information Center - Icelandic University Hospital	+354 543 22 22
Ireland	National Poisons Information Centre	not provided
Italy	Istituto Superiore di Sanità (ISS)	not provided
Latvia	State Ltd "Latvian Environment, Geology and Meteorology Centre"	+371 67032600
Liechtenstein –	Not provided	not provided

Luxembourg	Centre Antipoisons (BE) on behalf of Ministère-Direction de la Santé	+320 22649636
Malta	Malta Competition and Consumer Affairs Authority (MCCAA)	+356 2395 2000
Netherlands	National Poisons Information Center	+31 88 75 585 61
Norway	Norwegian Poison Information Centre	+47 21 07 70 00
Poland	Bureau for Chemical Substances	+48 42 2538 400
Portugal	Centro de informação antivenenos	+351213303271
Romania	National Institute for Public Health, Ministry of Health	+40213183606
Slovakia	National Toxicological Information Centre	+421 2 5465 2307
Slovenia	Centre for Clinical Pharmacology and Toxicology, Division of Internal Medicine, University Medical Centre Ljubljana	+ 386 1 522 1293
Spain	Instituto Nacional de Toxicología y Ciencias Forenses (INTCF)	+34 917689800
Sweden	Swedish Poisons Information Centre	+46104566750

For more precise information about National Poison Centres please contact with your National Helpdesk. The list of helpdesks across the EU please sees: <https://echa.europa.eu/support/helpdesks>

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture Classification of the mixture in accordance with Regulation (EC) No 1272/2008

The mixture is classified as dangerous.

Aerosol 1, H222, H229

Eye Irrit. 2, H319

STOT SE 3, H336

Most serious adverse physico-chemical effects

Extremely flammable aerosol. Pressurised container: May burst if heated. **Most serious adverse effects on human health and the environment** May cause drowsiness or dizziness. Causes serious eye irritation.

2.2. Label elements

Hazard pictogram



Signal word

Danger

Hazardous substances

acetone

Hazard statements

H222

Extremely flammable aerosol.

H229

Pressurised container: May burst if heated.

H319

Causes serious eye irritation.

H336

May cause drowsiness or dizziness.

Precautionary statements

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	Do not pierce or burn, even after use.
P261	Avoid breathing mist/vapours/spray.
P271	Use only outdoors or in a well-ventilated area.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C.
P501	Dispose of contents/container to by handing over to the person authorized to dispose of waste or by returning to the supplier.

2.3. Other hazards

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended.

SECTION 3: Composition/information on ingredients 3.2. Mixtures Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
Index: 606-001-00-8 CAS: 67-64-1 EC: 200-662-2	acetone	50-60	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH066	4
Index: 649-202-00-6 CAS: 68476-85-7 EC: 270-704-2	Petroleum gases, liquefied	>35	Flam. Gas 1, H220 Press. Gas (liquefied gas), H280	1, 2, 3, 5

Notes

- Note S: This substance may not require a label according to Article 17 (see Section 1.3 of Annex I) (Table 3).
- Note U (Table 3): When put on the market gases have to be classified as "Gases under pressure", in one of the groups compressed gas, liquefied gas, refrigerated liquefied gas or dissolved gas. The group depends on the physical state in which the gas is packaged and therefore has to be assigned case by case. The following codes are assigned:

Press. Gas (Comp.)
 Press. Gas (Liq.)
 Press. Gas (Ref. Liq.)
 Press. Gas (Diss.)

Aerosols shall not be classified as gases under pressure (See Annex I, Part 2, Section 2.3.2.1, Note 2).

- Note K: The harmonised classification as a carcinogen or mutagen applies unless it can be shown that the substance contains less than 0,1 % w/w 1,3- butadiene (Einecs No 203-450-8), in which case a classification in accordance with Title II of this Regulation shall be performed also for those hazard classes. Where the substance is not classified as a carcinogen or mutagen, at least the precautionary statements (P102-)P210-P403 shall apply.
- A substance for which exposure limits are set.
- Fulfilled Note K

Full text of all classifications and hazard statements is given in the section 16.

SECTION 4: First aid measures 4.1. Description of first aid measures

If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet.

If inhaled

Terminate the exposure immediately; move the affected person to fresh air. Protect the person against growing cold. Provide medical treatment if irritation, dyspnoea or other symptoms persist.

If on skin

Remove contaminated clothes. Wash the affected area with plenty of water, lukewarm if possible.

If in eyes

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. Rinsing should continue at least for 10 minutes. Provide medical treatment, specialized if possible.

If swallowed

Unlikely.

4.2. Most important symptoms and effects, both acute and delayed If inhaled

May cause drowsiness or dizziness.

If on skin

Not expected.

If in eyes

Causes serious eye irritation.

If swallowed

Irritation, nausea.

4.3. Indication of any immediate medical attention and special treatment needed Symptomatic treatment.

SECTION 5: Firefighting measures 5.1.**Extinguishing media Suitable****extinguishing media**

Alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist.

Unsuitable extinguishing media

Water - full jet.

5.2. Special hazards arising from the substance or mixture

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

5.3. Advice for firefighters

Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Use a self-contained breathing apparatus and full-body protective clothing. Closed containers with the product near the fire should be cooled with water. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

SECTION 6: Accidental release measures 6.1. Personal precautions, protective equipment and emergency procedures

Provide sufficient ventilation. Extremely flammable aerosol. Pressurised container: May burst if heated. Remove all ignition sources. Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8. Do not inhale aerosols. Prevent contact with skin and eyes.

6.2. Environmental precautions

Prevent contamination of the soil and entering surface or ground water.

6.3. Methods and material for containment and cleaning up

Spilled product should be covered with suitable (non-flammable) absorbing material (sand, diatomaceous earth, earth and other suitable absorption materials); to be contained in well closed containers and removed as per the Section 13. In the event of leakage of the substantial amount of the product, inform fire brigade and other competent bodies. After removal of the product, wash the contaminated site with plenty of water. Do not use solvents.

6.4. Reference to other sections See the Section 7, 8 and 13.

SECTION 7: Handling and storage 7.1. Precautions for safe handling

Prevent formation of gases and vapours in flammable or explosive concentrations and concentrations exceeding the occupational exposure limits. The product should be used only in the areas where it is not in contact with open fire and other ignition sources. Use non-sparking tools. Use of antistatic clothes and footwear is recommended. Do not inhale aerosols. Prevent contact with skin and eyes. No smoking. Protect against direct sunlight. Do not pierce or burn, even after use. Wash hands and exposed parts of the body thoroughly after handling. Use only outdoors or in a well-ventilated area. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose. Store locked up. Protect from sunlight. Keep container tightly closed. Do not expose to temperatures exceeding 50 °C.

7.3. Specific end use(s) not available

SECTION 8: Exposure controls/personal protection 8.1. Control parameters

The mixture contains substances for which occupational exposure limits are set.

European Union

Commission Directive 2000/39/EC

Substance name (component)	Type	Value
acetone (CAS: 67-64-1)	OEL 8 hours	1210 mg/m ³
	OEL 8 hours	500 ppm

DNEL

acetone			
Workers / consumers	Route of exposure	Value	Effect
Workers	Inhalation	2420 mg/m ³	Acute effects local
Workers	Dermal	186 mg/kg bw/day	Chronic effects systemic
Workers	Inhalation	1210 mg/m ³	Chronic effects systemic
Consumers	Inhalation	200 mg/m ³	Chronic effects systemic
Consumers	Dermal	62 mg/kg bw/day	Chronic effects systemic

Consumers	Oral	200 mg/kg bw/day	Chronic effects systemic
-----------	------	------------------	--------------------------

PNEC

acetone		
Route of exposure	Value	Source
Drinking water	10.6 mg/l	
Marine water	1.06 mg/l	
Freshwater sediment	30.4 mg/kg	
Sea sediments	3.04 mg/kg	
Soil (agricultural)	29.5 mg/kg	
	100 mg/l	oczyszczalnia ścieków
	21 mg/l	uwalnianie okresowe

8.2. Exposure controls

Follow the usual measures intended for health protection at work and especially for good ventilation. This can be achieved only by local suction or efficient general ventilation. If exposure limits cannot be observed in this mode, suitable protection of airways must be used. Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

Eye/face protection

Protective goggles. **Skin**

protection

Hand protection: Protective gloves resistant to the product. Contaminated skin should be washed thoroughly.

Respiratory protection

Halfmask with a filter against organic vapours or a self-contained breathing apparatus as appropriate if exposure limit values of substances are exceeded or in a poorly ventilated environment.

Thermal hazard

Data not available.

Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2.

SECTION 9: Physical and chemical properties 9.1.

Information on basic physical and chemical properties

Physical state	liquid
Colour	colourless
Odour	characteristic
Melting point/freezing point	-94.7 °C
Boiling point or initial boiling point and boiling range	56.05 °C
Flammability	data not available
Lower and upper explosion limit	
bottom 2.5 % upper 14.3 %	
Flash point	-17 °C
Auto-ignition temperature	465 °C
Decomposition temperature data not available pH	data not available
Kinematic viscosity	data not available
Solubility in water	data not available
Partition coefficient n-octanol/water (log value)	data not available
Vapour pressure	240 hPa at 20 °C
Density and/or relative density	
Density	0.790-0.810 g/cm ³ at 20 °C
Relative vapour density	2.1
Particle characteristics	data not available

9.2. Other information

not available

SECTION 10: Stability and reactivity 10.1. Reactivity

The product is non-reactive under normal conditions.

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

Unknown.

10.4. Conditions to avoid

The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost. Pressurised container: May burst if heated.

10.5. Incompatible materials

Protect against strong acids, bases and oxidizing agents.

10.6. Hazardous decomposition products

Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

SECTION 11: Toxicological information 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Inhalation of solvent vapors above values exceeding exposure limits for working environment may result in acute inhalation poisoning, depending on the level of concentration and exposure time. No toxicological data is available for the mixture.

Acute toxicity

Based on available data the classification criteria are not met.

acetone					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD ₅₀	5800 mg/kg		Rat	
Dermal	LD ₅₀	>15800 mg/kg		Rat	
Dermal	LD ₅₀	7400 mg/kg		Guinea-pig	
Dermal	LD ₅₀	7400 mg/kg		Rabbit	

Inhalation	LC ₅₀	76 mg/l	48 hours	Rat (Rattus norvegicus)	
------------	------------------	---------	----------	-------------------------	--

Skin corrosion/irritation

Based on available data the classification criteria are not met.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

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.

Toxicity for specific target organ - single exposure

May cause drowsiness or dizziness.

Toxicity for specific target organ - 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

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 12: Ecological information

12.1. Toxicity not available

Acute toxicity

acetone				
Parameter	Value	Exposure time	Species	Environment

LC ₅₀	5540 mg/l	96 hours	Fish (Oncorhynchus mykiss)	Fresh water
LC ₅₀	1100 mg/l	96 hours	Fish (Alburnus alburnus)	Salt water
EC ₅₀	8800 mg/l	48 hours		Fresh water
EC ₅₀	2100 mg/l	24 hours	Artemia salina	Salt water
NOEC	530 mg/l	8 days	Algae (Microcystis aeruginosa)	Fresh water
NOEC	430 mg/l	96 hours	Algae (Prorocentrum minimum)	Salt water
EC ₁₂	1000 mg/l	30 minutes	Bacteria	Activated sludge

Chronic toxicity

acetone				
Parameter	Value	Exposure time	Species	Environment
NOEC	2212 mg/l	28 days	Aquatic invertebrates (Daphnia pulex)	

12.2. Persistence and degradability

not available **Biodegradability**

acetone					
Parameter	Method	Value	Exposure time	Environment	Result
	OECD 301B	91 %	28 days		

12.3. Bioaccumulative potential

Data not available.

12.4. Mobility in soil

Data not available.

12.5. Results of PBT and vPvB assessment

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

12.6. Endocrine disrupting properties

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. **12.7. Other adverse effects**
 Data not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations. Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling.

Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

SECTION 14: Transport information 14.1. UN number or ID number

UN 1950

14.2. UN proper shipping name

AEROSOLS

14.3. Transport hazard class(es)

2 Gases

14.4. Packing group

not relevant

14.5. Environmental hazards

not relevant

14.6. Special precautions for user

Reference in the Sections 4 to 8.

14.7. Maritime transport in bulk according to IMO instruments

not relevant

Additional information

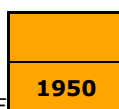
Hazard identification No.

UN number

Classification code

Safety signs

5F



2.1



Tunnel restriction code

(D)

Air transport - ICAO/IATA

Packaging instructions passenger

203

Cargo packaging instructions

203 **Marine transport - IMDG**

EmS (emergency plan)

F-D, S-U

MFAG

620

SECTION 15: Regulatory information 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Product contains reportable explosives precursors: Reporting of suspicious transactions, disappearances and thefts according to Regulation (EU) 2019/1148, Article 9. Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

15.2. Chemical safety assessment

not available

SECTION 16: Other information A list of standard risk phrases used in the safety data sheet

EUH066	Repeated exposure may cause skin dryness or cracking.
H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H280	Contains gas under pressure; may explode if heated.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

Guidelines for safe handling used in the safety data sheet

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	Do not pierce or burn, even after use.
P261	Avoid breathing mist/vapours/spray.
P271	Use only outdoors or in a well-ventilated area.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C.
P501	Dispose of contents/container to by handing over to the person authorized to dispose of waste or by returning to the supplier.

Other important information about human health protection

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations. **Key to abbreviations and acronyms used in the safety data sheet**

ADR	European agreement concerning the international carriage of dangerous goods by road
Aerosol	Aerosol
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
EC	Identification code for each substance listed in EINECS
EC ₁₂	Concentration of a substance when it is affected 12 % of the population
EC ₅₀	Concentration of a substance when it is affected 50 % of the population
EINECS	European Inventory of Existing Commercial Chemical Substances
EmS	Emergency plan
EU	European Union
EuPCS	European Product Categorisation System
Eye Irrit.	Eye irritation

Flam. Gas	Flammable gas
Flam. Liq.	Flammable liquid
IATA	International Air Transport Association
IBC	International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
INCI	International Nomenclature of Cosmetic Ingredients
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry
LC ₅₀	Lethal concentration of a substance in which it can be expected death of 50% of the population
LD ₅₀	Lethal dose of a substance in which it can be expected death of 50% of the population
log K _{ow}	Octanol-water partition coefficient
NOEC	No observed effect concentration
OEL	Occupational Exposure Limits
PBT	Persistent, bioaccumulative and toxic
ppm	Parts per million
Press. Gas	Gases under pressure
Press. Gas (Comp.)	Gas under pressure: compressed gas
Press. Gas (Diss.)	Gas under pressure: dissolved gas
Press. Gas (Liq.)	Gas under pressure: liquefied gas
Press. Gas (Ref. Liq.)	Gas under pressure: refrigerated liquefied gas
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Agreement on the transport of dangerous goods by rail
STOT SE	Specific target organ toxicity - single exposure
UN	Four-figure identification number of the substance or article taken from the UN Model Regulations
UVCB	Substances of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very persistent and very bioaccumulative

Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product. **Recommended restrictions of use** not available

Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended.
REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

More information

Classification procedure - calculation method.

Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.