



## LPA127 HIPOFOND Fondo PE trasparente- Clear Polyester sealer

Safety Data Sheet dated 3/15/2018, version 1

### 1. Identification

GHS Product identifier

Mixture identification:

Trade name: HIPOFOND Fondo PE trasparente- Clear Polyester sealer

Other means of identification

Trade code: LPA127

Recommended use and restrictions on use

Recommended use:

Industrial and professional uses (SU3 - SU22)

Varnish for wood

Supplier's details

Company:

NUOVA S.I.V.A.M. SpA - Via Monviso, 10 - 20010 BAREGGIO (MI) - Tel. +39 02 90304.1

Importer:

Quincaillerie Richelieu Ltée/Richelieu Hardware Ltd.

7900 Henri-Bourassa Blvd. W.

Montreal, Quebec, Canada, H4S 1V4

Tel :+1-514-832-4010

Emergency phone number for Canada: Canutec (613) 996-6666

Distributor:

Quincaillerie Richelieu Ltée/Richelieu Hardware Ltd.

7900 Henri-Bourassa Blvd. W.

Montreal, Quebec, Canada, H4S 1V4

Tel :+1-514-832-4010

Emergency phone number for Canada: Canutec (613) 996-6666

Competent person responsible for the safety data sheet:

msds@sivam.it

Emergency phone number

NUOVA S.I.V.A.M. SpA - Tel. +39 02 90304.1 (Monday - Friday 8.00 - 15.00)

Poison Centre - Ospedale di Niguarda - Milan - Tel. +39 02 66101029 (24 h)

### 2. Hazard identification

Classification of the hazardous product

⚠ Danger, Flam. Liq. 2, Highly flammable liquid and vapour.

⚠ Warning, Skin Irrit. 2, Causes skin irritation.

⚠ Warning, Eye Irrit. 2A, Causes serious eye irritation.

⚠ Warning, Repr. 2, Suspected of damaging fertility or the unborn child.

⚠ Warning, STOT SE 3, May cause respiratory irritation.

⚠ Danger, STOT RE 1, Causes damage to organs through prolonged or repeated exposure.  
Aquatic Chronic 3, Harmful to aquatic life with long lasting effects.

GHS label elements, including precautionary statements

Hazard pictograms:



Danger

Hazard statements:

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H361 Suspected of damaging fertility or the unborn child.

H335 May cause respiratory irritation.

H372 Causes damage to organs through prolonged or repeated exposure.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P240 Ground and bond container and receiving equipment.

P241 Use explosion-proof [electrical/ventilating/lighting/...] equipment.

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P242 Use non-sparking tools.  
 P243 Take action to prevent static discharges.  
 P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P264 Wash ... Thoroughly after handling.  
 P270 Do not eat, drink or smoke when using this product.  
 P271 Use only outdoors or in a well-ventilated area.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P302+P352 IF ON SKIN: Wash with plenty of water/...  
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P308+P313 IF exposed or concerned: Get medical advice/attention.  
 P312 Call a POISON CENTER/ doctor/if you feel unwell.  
 P314 Get medical advice/attention if you feel unwell.  
 P321 Specific treatment (see ... On this label).  
 P332+P313 If skin irritation occurs: Get medical advice/attention.  
 P337+P313 If eye irritation persists: Get medical advice/attention.  
 P362+P364 Take off contaminated clothing and wash it before reuse.  
 P370+P378 In case of fire, use alcohol resistant foam, dry chemical, CO<sub>2</sub>, water spray. Do not use water jet.  
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
 P403+P235 Store in a well-ventilated place. Keep cool.  
 P405 Store locked up.  
 P501 Dispose of contents/container in accordance with applicable regulations.

Special provisions

None

Other hazards

None

Ingredient(s) with unknown acute toxicity

None.

### 3. Composition/Information on ingredients

Substances

N.A.

Mixtures

Hazardous components within the meaning of WHMIS 2015 and related classification:

Qty	Name	Ident. Number	Classification
>= 30% - < 40%	styrene	Index number: 601-026-00-0 CAS: 100-42-5 EC: 202-851-5 REACH No.: 01-2119457861-32	⚠ B.6/3 Flam. Liq. 3 H226 ⚠ A.10/1 Asp. Tox. 1 H304 ⚠ A.8/3 STOT SE 3 H335 CAN-HAE/C3 Aquatic Chronic 3 H412 ⚠ A.7/2 Unst. Expl. ⚠ A.1/4/Inhal Acute Tox. 4 H332 ⚠ A.9/1 STOT RE 1 H372 ⚠ A.2/2 Skin Irrit. 2 H315
>= 3% - < 5%	ethyl acetate	Index number: 607-022-00-5 CAS: 141-78-6 EC: 205-500-4 REACH No.: 01-2119475103-46	⚠ B.6/2 Flam. Liq. 2 H225 ⚠ A.3/2A Eye Irrit. 2A H319 ⚠ A.8/3 STOT SE 3 H336
>= 1% - < 3%	acetone; propan-2-one; propanone	Index number: 606-001-00-8 CAS: 67-64-1 EC: 200-662-2 REACH No.: 01-2119471330-49	⚠ B.6/2 Flam. Liq. 2 H225 ⚠ A.8/3 STOT SE 3 H336

### 4. First-aid measures

Description of necessary first-aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

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Remove contaminated clothing immediately and dispose off safely.  
After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.  
Protect uninjured eye.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

In case of inhalation, consult a doctor immediately and show him packing or label.

Most important symptoms/effects, acute and delayed

None

Indication of immediate medical attention and special treatment needed, if necessary

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

None

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#### 5. Fire-fighting measures

Suitable and unsuitable extinguishing media

Suitable extinguishing media:

In case of fire, use alcohol resistant foam, dry chemical, CO<sub>2</sub>, water spray. Do not use water jet.

Unsuitable extinguishing media:

None in particular.

Specific hazards arising from the hazardous product

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

Hazardous combustion products:

None

Explosive properties:

N.D. in volume

Oxidizing properties:

N.D.

Special protective equipment and precautions for fire-fighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

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#### 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove all sources of ignition.

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Provide adequate ventilation.

Remove persons to safety.

Use appropriate respiratory protection.

See protective measures under point 7 and 8.

Methods and material for containment and cleaning up

Wash with plenty of water.

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#### 7. Handling and storage

Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Exercise the greatest care when handling or opening the container.

Do not use on extensive surface areas in premises where there are occupants.

Use localized ventilation system.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

Conditions for safe storage, including any incompatibilities

Always keep in a well ventilated place.

Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.

Avoid accumulating electrostatic charge.

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Cool and adequately ventilated.

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Safety electric system.  
Storage temperature:  
Store at ambient temperature.

#### 8. Exposure controls/personal protection

##### Control parameters

styrene - CAS: 100-42-5  
ACGIH - TWA(8h): 20 ppm - STEL: 40 ppm - Notes: A4, BEI - CNS impair, URT irr, peripheral neuropathy  
ethyl acetate - CAS: 141-78-6  
ACGIH - TWA(8h): 400 ppm - Notes: URT and eye irr  
EU - TWA(8h): 734 mg/m<sup>3</sup>, 200 ppm - STEL: 1468 mg/m<sup>3</sup>, 400 ppm  
acetone; propan-2-one; propanone - CAS: 67-64-1  
EU - TWA(8h): 1210 mg/m<sup>3</sup>, 500 ppm  
ACGIH - TWA(8h): 250 ppm - STEL: 500 ppm - Notes: A4, BEI - URT and eye irr, CNS impair

##### DNEL Exposure Limit Values

styrene - CAS: 100-42-5  
Worker Industry: 85 mg/m<sup>3</sup> - Worker Professional: 85 mg/m<sup>3</sup> - Consumer: 1 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects  
Worker Industry: 100 mg/m<sup>3</sup> - Worker Professional: 100 mg/m<sup>3</sup> - Consumer: 10 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, systemic effects  
Worker Industry: 100 mg/m<sup>3</sup> - Worker Professional: 100 mg/m<sup>3</sup> - Consumer: 10 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, local effects  
Worker Industry: 406 mg/kg - Worker Professional: 406 mg/kg - Consumer: 343 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects  
Consumer: 2.1 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects  
ethyl acetate - CAS: 141-78-6  
Worker Industry: 1468 mg/m<sup>3</sup> - Worker Professional: 1468 mg/m<sup>3</sup> - Consumer: 734 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, systemic effects  
Worker Industry: 1468 mg/m<sup>3</sup> - Worker Professional: 1468 mg/m<sup>3</sup> - Consumer: 734 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, local effects  
Worker Industry: 63 mg/kg - Worker Professional: 63 mg/kg - Consumer: 37 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects  
Worker Industry: 734 mg/m<sup>3</sup> - Worker Professional: 734 mg/m<sup>3</sup> - Consumer: 367 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects  
Worker Industry: 734 mg/m<sup>3</sup> - Worker Professional: 734 mg/m<sup>3</sup> - Consumer: 367 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, local effects  
Consumer: 4.5 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects  
acetone; propan-2-one; propanone - CAS: 67-64-1  
Worker Industry: 186 mg/kg - Worker Professional: 186 mg/kg - Consumer: 62 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects  
Worker Industry: 2420 mg/m<sup>3</sup> - Worker Professional: 2420 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, systemic effects  
Worker Industry: 1210 mg/m<sup>3</sup> - Worker Professional: 1210 mg/m<sup>3</sup> - Consumer: 200 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects  
Consumer: 62 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

##### PNEC Exposure Limit Values

styrene - CAS: 100-42-5  
Target: Fresh Water - Value: 0.028 mg/l  
Target: Marine water - Value: 0.014 mg/l  
Target: Intermittent emission - Value: 0.04 mg/l  
Target: Microorganisms in sewage treatments - Value: 5 mg/l  
Target: Freshwater sediments - Value: 0.614 mg/kg  
Target: Marine water sediments - Value: 0.307 mg/kg  
Target: Soil (agricultural) - Value: 0.2 mg/kg  
ethyl acetate - CAS: 141-78-6  
Target: Fresh Water - Value: 0.24 mg/l  
Target: Marine water - Value: 0.024 mg/l  
Target: Intermittent emission - Value: 1.65 mg/l  
Target: Microorganisms in sewage treatments - Value: 650 mg/l  
Target: Freshwater sediments - Value: 1.15 mg/kg  
Target: Marine water sediments - Value: 0.115 mg/kg  
Target: Soil (agricultural) - Value: 0.148 mg/kg  
Target: Food chain - Value: 200 mg/kg  
acetone; propan-2-one; propanone - CAS: 67-64-1  
Target: Fresh Water - Value: 10.6 mg/l  
Target: Marine water - Value: 1.06 mg/l  
Target: Intermittent emission - Value: 21 mg/l  
Target: Microorganisms in sewage treatments - Value: 100 mg/l  
Target: Freshwater sediments - Value: 30.4 mg/kg

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Target: Marine water sediments - Value: 3.04 mg/kg

Target: Soil (agricultural) - Value: 33.3 mg/kg

Appropriate engineering controls

None

Individual protection measures, such as personal protective equipment (PPE)

Eye protection:

Eye glasses with side protection. (EN166)

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber. (EN374)

Respiratory protection:

Use respiratory protection where ventilation is insufficient or exposure is prolonged.

Use adequate protective respiratory equipment.

Thermal Hazards:

None

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## 9. Physical and chemical properties

Appearance and colour:	opalescent fluid
Odour:	typical
Odour threshold:	N.D.
pH:	N.A.
Melting point / freezing point:	N.D. °C
Initial boiling point and boiling range:	> 77 °C
Flash point:	< 0 °C
Evaporation rate:	N.D.
Solid/gas flammability:	N.A.
Upper/lower flammability or explosive limits:	6.1% - 1.1% Vol. (Styrene)
Vapour pressure:	N.D. (20 °C)
Vapour density:	> 1
Relative density:	1.065 - 1.085
Solubility in water:	N.D.
Solubility in oil:	partial
Partition coefficient (n-octanol/water):	N.D.
Auto-ignition temperature:	> 300 °C
Decomposition temperature:	N.D. °C
Viscosity:	N.D.

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## 10. Stability and reactivity

Reactivity

It may generate dangerous reactions (See subsections below)

Chemical stability

It may generate dangerous reactions (See subsections below)

Possibility of hazardous reactions

It may generate toxic gases on contact with powerful oxidising agents, and powerful reducing agents.

It may catch fire on contact with powerful oxidising agents.

Conditions to avoid

Avoid accumulating electrostatic charge.

Incompatible materials

Avoid contact with combustible materials. The product could catch fire.

Hazardous decomposition products

None.

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## 11. Toxicological information

Information on toxicological effects

Toxicological information of the product:

HIPOFOND Fondo PE trasparente- Clear Polyester sealer

a) acute toxicity

Not classified

No data available for the product

b) skin corrosion/irritation

The product is classified: Skin Irrit. 2 H315

c) serious eye damage/irritation

The product is classified: Eye Irrit. 2A H319

d) respiratory or skin sensitisation

Not classified

No data available for the product

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- e) germ cell mutagenicity  
Not classified  
No data available for the product
- f) carcinogenicity  
Not classified  
No data available for the product
- g) reproductive toxicity  
The product is classified: Repr. 2 H361
- h) STOT-single exposure  
The product is classified: STOT SE 3 H335
- i) STOT-repeated exposure  
The product is classified: STOT RE 1 H372
- j) aspiration hazard  
Not classified  
No data available for the product

Toxicological information of the main substances found in the product:

styrene - CAS: 100-42-5

a) acute toxicity:

- Test: LD50 - Route: Oral - Species: Rat = 5000 mg/kg
- Test: LC50 - Route: Inhalation - Species: Rat = 11.8 mg/l - Duration: 4h
- Test: LD50 - Route: Oral - Species: Mouse = 316 mg/kg
- Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg - Source: OECD 402

ethyl acetate - CAS: 141-78-6

a) acute toxicity:

- Test: LD50 - Route: Oral - Species: Rat = 4934 mg/kg - Source: OCSE 401
- Test: LD50 - Route: Skin - Species: Rabbit > 20000 mg/kg

acetone; propan-2-one; propanone - CAS: 67-64-1

a) acute toxicity:

- Test: LD50 - Route: Oral - Species: Rat = 5800 mg/kg
- Test: LD50 - Route: Skin - Species: Rabbit > 20 ml/kg
- Test: LC50 - Route: Inhalation - Species: Rat = 21 Ppm - Duration: 8h

ethyl acetate - CAS: 141-78-6

The product is extremely volatile and provokes for inhalation, irritation to respiratory tracts. Acute exposition can cause depression of central nervous system with effects such as drowsiness, reflex loss, narcosis.

acetone; propan-2-one; propanone - CAS: 67-64-1

Observations on human subjects:

Acetone's routes of entry to the body are skin absorption, swallowing and, especially, inhalation. It is eliminated through the lungs (40-70%), in urine (15-30%), and through the skin (10%). Tests carried out with C14 have demonstrated that acetone takes part as an intermediary in the metabolism of lipids and indirectly in the glycolic cycle.

Concentrations > 300 ppm cause: slight irritation to the mucous membranes.

Subjects exposed to 500 ppm of acetone have displayed irritation to the eyes, throat, and nose.

Concentrations = 800 ppm (30') cause: malaise.

Substance(s) listed on the NTP report on Carcinogens:

styrene.

Substance(s) listed on the IARC Monographs:

styrene - Group 2B.

Substance(s) listed as OSHA Carcinogen(s):

None.

Substance(s) listed as NIOSH Carcinogen(s):

None.

## 12. Ecological information

Ecotoxicity

Adopt good working practices, so that the product is not released into the environment.

HIPOFOND Fondo PE trasparente- Clear Polyester sealer

The product is classified: Aquatic Chronic 3 - H412

styrene - CAS: 100-42-5

a) Aquatic acute toxicity:

- Endpoint: EC50 - Species: Algae = 4.9 mg/l - Duration h: 72
- Endpoint: EC50 - Species: Daphnia = 4.7 mg/l - Duration h: 48 - Notes: OECD 202
- Endpoint: LC50 - Species: Fish = 4.02 mg/l - Duration h: 96 - Notes: OECD 203

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Daphnia = 1.01 mg/l - Notes: 21 d (OECD 211)

ethyl acetate - CAS: 141-78-6

a) Aquatic acute toxicity:

- Endpoint: LC50 - Species: Algae > 100 mg/l - Duration h: 72
- Endpoint: EC50 - Species: Daphnia = 165 mg/l - Duration h: 48

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Endpoint: LC50 - Species: Fish = 230 mg/l - Duration h: 96  
 b) Aquatic chronic toxicity:  
 Endpoint: NOEC - Species: Daphnia = 2.4 mg/l - Notes: 21d  
 acetone; propan-2-one; propanone - CAS: 67-64-1  
 a) Aquatic acute toxicity:  
 Endpoint: EC50 - Species: Algae = 302 mg/l - Duration h: 96  
 Endpoint: LC50 - Species: Daphnia = 1680 mg/l - Duration h: 48  
 Endpoint: LC50 - Species: Fish = 4144 mg/l - Duration h: 96  
 Persistence and degradability  
 styrene - CAS: 100-42-5  
 Biodegradability: Readily biodegradable - Test: N.A. - Duration h: N.A. - %: N.A. - Notes: N.A.  
 acetone; propan-2-one; propanone - CAS: 67-64-1  
 Biodegradability: Readily biodegradable - Test: N.A. - Duration h: N.A. - %: N.A. - Notes: N.A.  
 Bioaccumulative potential  
 styrene - CAS: 100-42-5  
 Bioaccumulation: Not bioaccumulative - Test: N.A. N.A. - Duration h: N.A. - Notes: N.A.  
 Mobility in soil  
 N.A.  
 Other adverse effects  
 None

### 13. Disposal considerations

Safe handling and methods for disposal

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

### 14. Transport information



UN number  
 TDG number: UN1263  
 ADR-UN Number: 1263  
 DOT number: UN1263  
 IATA-UN Number: 1263  
 IMDG-UN Number: 1263  
 UN proper shipping name  
 TDG-Shipping Name: PAINT  
 ADR-Shipping Name: PAINT  
 DOT-Shipping Name: Paint including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler and liquid lacquer base or Paint related material including paint thinning, drying, removing, or reducing compound  
 ADR-Technical Name: Paint  
 IATA-Shipping Name: PAINT  
 IATA-Technical name: Paint  
 IMDG-Shipping Name: PAINT  
 IMDG-Shipping name: Paint  
 Transport hazard class(es)  
 TDG Class: 3  
 ADR-Class: 3  
 DOT Hazard Class: 3  
 ADR - Hazard identification number: 33  
 IATA-Class: 3  
 IATA-Label: 3  
 IMDG-Class: 3  
 Packing group  
 TDG Packing group: II  
 ADR-Packing Group: II  
 DOT Packing group: II  
 IATA-Packing group: II  
 IMDG-Packing group: II  
 Environmental hazards  
 ADR-Environmental Pollutant: No  
 IMDG-Marine pollutant: No  
 Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)

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N.A.

Special precautions in connection with transport or conveyance

Rail (RID):	3
TDG Special provisions:	59,142
DOT Special provisions:	149, 367, 383, B52, B131, IB2, T4, TP1, TP8, TP28
ADR-Subsidiary risks:	-
ADR-S.P.:	163 367 640D 650
ADR-Transport category (Tunnel restriction code):	2 (D/E)
IATA-Passenger Aircraft:	353
IATA-Subsidiary risks:	-
IATA-Cargo Aircraft:	364
IATA-S.P.:	A3 A72 A192
IATA-ERG:	3L
IMDG-EmS:	F-E , S-E
IMDG-Subsidiary risks:	-
IMDG-Stowage and handling:	Category A
IMDG-Segregation:	-

## 15. Regulatory information

Safety, health and environmental regulations specific for the product in question

This Safety Data Sheet has been prepared according to the Hazardous Products Regulations (HPR) - WHMIS 2015.

NPRI - National Pollutant Release Inventory

Substance(s) listed under NPRI:

None.

DSL inventory - Domestic substances list

no substances listed

NDSL inventory - Not Domestic substances list

no substances listed

TSCA inventory

All the components are listed on the TSCA inventory.

TSCA listed substances:

styrene is listed in TSCA Section 8b, Section 8a - CAIR

ethyl acetate is listed in TSCA Section 8b

acetone; propan-2-one; propanone is listed in TSCA Section 8b.

USA - Federal regulations

SARA - Superfund Amendments and Reauthorization Act

Section 302 – Extremely Hazardous Substances: no substances listed.

Section 304 – Hazardous substances: styrene, ethyl acetate, acetone; propan-2-one; propanone.

Section 313 – Toxic chemical list: styrene.

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

Substance(s) listed under CERCLA: styrene - Reportable quantity: 1000 pounds

ethyl acetate - Reportable quantity: 5000 pounds

acetone; propan-2-one; propanone - Reportable quantity: 5000 pounds.

Reportable quantity for mixture: 2962.962963 pounds.

CAA - Clean Air Act

CAA listed substances:

styrene is listed in CAA Section 111, Section 112(b) - HAP, Section 112(b) - HON

ethyl acetate is listed in CAA Section 111

acetone; propan-2-one; propanone is listed in CAA Section 111, Section 112(b) - HON.

CWA - Clean Water Act

CWA listed substances:

styrene is listed in CWA Section 311

ethyl acetate is listed in CWA Section 304

acetone; propan-2-one; propanone is listed in CWA Section 304.

USA - State specific regulations

California Proposition 65

Substance(s) listed under California Proposition 65:

styrene - Listed as carcinogen.

Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know:

styrene

ethyl acetate

acetone; propan-2-one; propanone.

New Jersey Right to know

Substance(s) listed under New Jersey Right to know:

styrene

ethyl acetate



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acetone; propan-2-one; propanone.  
Pennsylvania Right to know  
Substance(s) listed under Pennsylvania Right to know:  
styrene  
ethyl acetate  
acetone; propan-2-one; propanone.

Volatile Organic compounds - VOCs = 40.15 %  
Volatile Organic compounds - VOCs = 435.68 g/l  
Volatile CMR substances = 0.00 %  
Organic Carbon - C = 0.35

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#### 16. Other information

Full text of phrases referred to in Section 3:  
H226 Flammable liquid and vapour.  
H304 May be fatal if swallowed and enters airways.  
H335 May cause respiratory irritation.  
H412 Harmful to aquatic life with long lasting effects.  
H332 Harmful if inhaled.  
H372 Causes damage to organs through prolonged or repeated exposure.  
H315 Causes skin irritation.  
H225 Highly flammable liquid and vapour.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.

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Disclaimer:

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. The information relates only to the specific material and may not be valid for such material used in combination with any other material or in any process.  
This Safety Data Sheet cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
HMIS:	Hazardous Materials Identification System
IARC:	International Agency for Research on Cancer
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
NFPA:	National Fire Protection Association
NIOSH:	National Institute for Occupational Safety and Health
NTP:	National Toxicology Program
OSHA:	Occupational Safety and Health Administration.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average