



A CRH COMPANY

SAFETY DATA SHEET

According to OSHA HCS

Printing Date: 05/21/2018

Revision Number: 4

Revision Date: 05/21/2018

1. PRODUCT AND COMPANY IDENTIFICATION

CRL Catalog Numbers: CRL7711

Trade Name: CRL Windshield Sealant

Relevant identified uses of the substance or mixture: Sealant

Application of the substance / the mixture: Sealant

Supplier Address:

C.R. Laurence Co., Inc.

2503 E. Vernon Ave

Los Angeles, Ca 90058-1826

Telephone: (323) 588-1281

Emergency Phone Number: CHEMTREC: 1-800-424-9300 (24 hours)

Outside USA and Canada: + 1 703-527-3887 (collect calls accepted)

2. HAZARDS IDENTIFICATION

· *Classification of the substance or mixture*



GHS02 Flame

Flam. Sol. 1 H228 Flammable solid.



GHS08 Health hazard

Muta. 1B H340 May cause genetic defects.

Carc. 1B H350 May cause cancer.

· *Label elements*

· *GHS label elements* The product is classified and labeled according to the Globally Harmonized System (GHS).

· *Hazard pictograms*



GHS02



GHS08

· *Signal word* Danger

· *Hazard statements*

Flammable solid.

May cause genetic defects.

May cause cancer.

· *Precautionary statements*

Obtain special instructions before use.

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

2. HAZARDS IDENTIFICATION (CONTINUED)

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
 Ground/bond container and receiving equipment.
 Use explosion-proof electrical/ventilating/lighting/equipment.
 Wear protective gloves/protective clothing/eye protection/face protection.
 IF exposed or concerned: Get medical advice/attention.
 In case of fire: Use for extinction: CO₂, powder or water spray.
 Store locked up.
 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Additional information:**
5.2 % of the mixture consists of component(s) of unknown toxicity.
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**

HEALTH	2	Health = 2
FIRE	3	Fire = 3
PHYSICAL HAZARD	0	Physical Hazard = 0

- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3. COMPOSITION / INFORMATION ON INGREDIENTS

- **Chemical characterization: Mixtures**
- **Description: Mixture**

- **Hazardous components:**

1332-58-7	Kaolin	25-50%
64742-89-8	Solvent naphtha (petroleum), light aliph.(VM&P)	25-50%
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	2.5-10%
1333-86-4	Carbon black	2.5-10%
13463-67-7	titanium dioxide	≤0.5%
546-93-0	Magnesite	≤0.5%

- **Additional information:**
It is highly unlikely the powders and pigments compounded within this product would pose a hazardous risk from inhalation as they are no longer a respirable particulate. Exposure to these ingredients as used in sealants, putties, bedding compounds and other non-sprayable products is highly unlikely. The concentrations listed in the composition section are percent by weight unless a gas. Gas concentrations are expressed in percent by volume.

4. FIRST AID MEASURES

- **Description of first aid measures**
- **After inhalation:** Overexposure, remove to fresh air and seek medical attention.
- **After skin contact:**
Wipe excess from skin.

4. FIRST AID MEASURES

- Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**
Rinse opened eye for 20 minutes under running water. If eye becomes irritated, obtain medical treatment.
- **After swallowing:** Seek medical treatment.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5. FIRE FIGHTING MEASURES

- **Extinguishing media**
- **Suitable extinguishing agents:** CO₂, extinguishing powder or water spray. Fight larger fires with water spray.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** Protective clothing and respiratory protective device.

6. ACCIDENTAL RELEASE MEASURES

- **Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Dispose of contaminated material as waste in accordance with federal state and local regulations.
Ensure adequate ventilation.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.
- **Protective Action Criteria for Chemicals**

· PAC-1:		
546-93-0	Magnesite	45 mg/m ³
112-80-1	oleic acid, pure	220 mg/m ³
· PAC-2:		
546-93-0	Magnesite	260 mg/m ³
112-80-1	oleic acid, pure	2,400 mg/m ³
· PAC-3:		
546-93-0	Magnesite	1,600 mg/m ³
112-80-1	oleic acid, pure	15,000 mg/m ³

7. HANDLING AND STORAGE

- **Handling:**
- **Precautions for safe handling** No special measures required.
- **Information about protection against explosions and fires:** Keep container closed when not in use.

7. HANDLING AND STORAGE (CONTINUED)

- *Conditions for safe storage, including any incompatibilities*
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location away from direct heat.
- **Information about storage in one common storage facility:** Keep away from open flames and high temperatures.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.
- **Specific end use(s)** No further relevant information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**
The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.
At this time, the remaining constituent has no known exposure limits.

1332-58-7 Kaolin	
PEL	Long-term value: 15* 5** mg/m ³ *total dust **respirable fraction
REL	Long-term value: 10* 5** mg/m ³ *total dust **respirable fraction
TLV	Long-term value: 2* mg/m ³ E; as respirable fraction
1333-86-4 Carbon black	
PEL	Long-term value: 3.5 mg/m ³
REL	Long-term value: 3.5* mg/m ³ *0.1 in presence of PAHs; See Pocket Guide Apps.A+C
TLV	Long-term value: 3* mg/m ³ *inhalable fraction
14807-96-6 Talc (Mg₃H₂(SiO₃)₄)	
PEL	Long-term value: 20 mppcf ppm (containing <1% Quartz)
REL	Long-term value: 2* mg/m ³ *respirable dust; and <1% Quartz
TLV	Long-term value: 2* mg/m ³ *as respirable fraction; E

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment (see listings below)**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
- **Breathing equipment:**
Use approved respiratory protection equipment when airborne exposure is excessive. Consult the respirator manufacturer to determine the appropriate type of equipment for a given application. Observe respirator use limitations specified by the manufacturer.
- **Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

8. EXPOSURE CONTROLS / PERSONAL PROTECTION (CONTINUED)

· **Material of gloves**

Protective gloves.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**

Safety glasses with side shields.



Tightly sealed goggles

· **Body protection:** Protective work clothing

9. PHYSICAL AND CHEMICAL PROPERTIES

· Information on basic physical and chemical properties	
· General Information	
· Appearance:	
Form:	Pasty Solid
Color:	Black
· Odor:	Naptha
· Odor threshold:	Not determined.
· pH-value:	Not determined.
· Change in condition	
Melting point:	Undetermined.
· Boiling point:	8.9 °C (48 °F)
· Flash point:	
· Decomposition temperature:	Not determined.
· Auto igniting:	Product is not selfigniting.
· Danger of explosion:	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
· Flammable limits:	
Lower:	Not Available
Upper:	Not Available
· Vapor pressure:	Not determined.
· Specific gravity:	1.16
· Relative density	Not determined.
· Vapor density	Not determined.
· Evaporation rate	0.12
· Solubility in / Miscibility with	
Water:	Not soluble
· Partition coefficient (n-octanol/water): Not determined.	
· Viscosity:	
Dynamic:	Not determined.

9. PHYSICAL AND CHEMICAL PROPERTIES (CONTINUED)

Kinematic:	>20.5 cSt
Solvent content:	
Organic solvents:	25 %
Solids content:	75 %
Other information	VOC content - 330 g/L

10. STABILITY AND REACTIVITY

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** Heat, flames, sparks.
- **Incompatible materials:** Reacts with strong oxidizing agents.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11. TOXICOLOGICAL INFORMATION

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** May irritate the skin.
- **on the eye:** May irritate the eye.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	3
1333-86-4	Carbon black	2B
13463-67-7	titanium dioxide	2B
14808-60-7	non-respirable quartz	1

- **NTP (National Toxicology Program)**

14808-60-7	non-respirable quartz	K
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- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12. ECOLOGICAL INFORMATION

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.




12. ECOLOGICAL INFORMATION (CONTINUED)

- **Additional ecological information:**
- **General notes:** At present there are no ecotoxicological assessments.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13. DISPOSAL CONSIDERATIONS

- **Waste treatment methods**
- **Recommendation:**
Small amounts can be disposed of with household waste after the product has cured or skinned over. Larger quantities should be disposed of according to state and local regulation.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14. TRANSPORT INFORMATION

· UN-Number	UN1325
· DOT, IMDG, IATA	
· UN proper shipping name	Flammable solids, organic, n.o.s.
· DOT	FLAMMABLE SOLID, ORGANIC, N.O.S.
· IMDG, IATA	
· Transport hazard class(es)	
· DOT	
	
· Class	4.1 Flammable solids, self-reactive substances and solid desensitised explosives
· Label	4.1
· IMDG	
	
· Label	4.1
· IATA	
	
· Class	4.1 Flammable solids, self-reactive substances and solid desensitised explosives
· Label	4.1

14. TRANSPORT INFORMATION (CONTINUED)

· Packing group · IMDG, IATA	<i>II</i>
· Environmental hazards:	<i>Not applicable.</i>
· Special precautions for user · EMS Number:	<i>Not applicable.</i> <i>F-A,S-G</i>
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	<i>Not applicable.</i>
· UN "Model Regulation":	<i>not regulated</i>

15. REGULATORY INFORMATION

· Safety, health and environmental regulations/legislation specific for the substance or mixture · Sara	
· Section 355 (extremely hazardous substances): <i>None of the ingredients is listed.</i>	
· Section 313 (Specific toxic chemical listings): <i>None of the ingredients is listed.</i>	
· TSCA (Toxic Substances Control Act): <i>All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.</i>	
· Proposition 65	
· Chemicals known to cause cancer: <i>14808-60-7 non-respirable quartz</i>	
· Chemicals known to cause reproductive toxicity for females: <i>None of the ingredients is listed.</i>	
· Chemicals known to cause reproductive toxicity for males: <i>None of the ingredients is listed.</i>	
· Chemicals known to cause developmental toxicity: <i>None of the ingredients is listed.</i>	
· (DSL) Canada Domestic Substance List <i>All components of this product are on the DSL(Canada Domestic Substance list) or are exempt from DSL requirements.</i>	
· New Jersey Right-to-Know List:	
<i>1332-58-7</i>	<i>Kaolin</i>
<i>14807-96-6</i>	<i>Talc (Mg₃H₂(SiO₃)₄)</i>
<i>1333-86-4</i>	<i>Carbon black</i>
<i>13463-67-7</i>	<i>titanium dioxide</i>
<i>546-93-0</i>	<i>Magnesite</i>
· New Jersey Special Hazardous Substance List:	
<i>14807-96-6</i>	<i>Talc (Mg₃H₂(SiO₃)₄)</i> CA
<i>1333-86-4</i>	<i>Carbon black</i> CA
· Pennsylvania Right-to-Know List:	
<i>1332-58-7</i>	<i>Kaolin</i>

15. REGULATORY INFORMATION (CONTINUED)

14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	
13463-67-7	titanium dioxide	
112-80-1	oleic acid, pure	
· Pennsylvania Special Hazardous Substance List:		
None of the ingredients is listed.		
· Carcinogenicity categories		
· EPA (Environmental Protection Agency)		
None of the ingredients is listed.		
· TLV (Threshold Limit Value established by ACGIH)		
1332-58-7	Kaolin	A4
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	A4
1333-86-4	Carbon black	A4
13463-67-7	titanium dioxide	A4
14808-60-7	non-respirable quartz	A2
· MAK (German Maximum Workplace Concentration)		
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	3B
1333-86-4	Carbon black	3B
13463-67-7	titanium dioxide	3A
14808-60-7	non-respirable quartz	1
112-80-1	oleic acid, pure	3A
· NIOSH-Ca (National Institute for Occupational Safety and Health)		
1333-86-4	Carbon black	
13463-67-7	titanium dioxide	
14808-60-7	non-respirable quartz	
· National regulations:		
· Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.		
· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.		

16. OTHER INFORMATION

Although the information and recommendations set forth in this SDS are presented in good faith and are believed to be correct as of the date of this SDS, C.R. Laurence makes no representations as to the completeness or accuracy thereof. Information is supplied on the condition that the persons receiving and using it will make their own determination as to the suitability for their purpose prior to use. In no event will C.R. Laurence or any affiliate thereof be responsible for damages of any nature whatsoever resulting from the use or reliance on the information set forth in the SDS.

- **Department issuing SDS:** Environment protection department.
- **Creation Date:** 10/25/2014
- **Date of preparation / last revision** 05/21/2018 / 3
- **Abbreviations and acronyms:**
 IMDG: International Maritime Code for Dangerous Goods
 DOT: US Department of Transportation
 IATA: International Air Transport Association
 ACGIH: American Conference of Governmental Industrial Hygienists
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)

16. OTHER INFORMATION (CONTINUED)

NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Flam. Sol. 1: Flammable solids – Category 1
Muta. 1B: Germ cell mutagenicity – Category 1B
Carc. 1B: Carcinogenicity – Category 1B



A CRH COMPANY

SAFETY DATA SHEET

According to HPR, Schedule 1

Printing Date: 04/04/2020

Revision Number: 5

Revision Date: 09/19/2019

1. PRODUCT AND COMPANY IDENTIFICATION

CRL Catalog Numbers: CRL7711

Trade Name: CRL Windshield Sealant

Relevant identified uses of the substance or mixture: Sealant

Application of the substance / the mixture: Sealant

Supplier Address:

C.R. Laurence Co., Inc.

2503 E. Vernon Ave

Los Angeles, Ca 90058-1826

Telephone: (323) 588-1281

Emergency Phone Number: CHEMTREC: 1-800-424-9300 (24 hours)

Outside USA and Canada: + 1 703-527-3887 (collect calls accepted)

2. HAZARDS IDENTIFICATION

· *Classification of the substance or mixture*



GHS02 Flame

Flammable Solids - Category 1 H228 Flammable solid.



GHS08 Health hazard

Germ Cell Mutagenicity - Category 1B H340 May cause genetic defects.

Carcinogenicity - Category 1B H350 May cause cancer.

· *Label elements*

· *GHS label elements* The product is classified and labeled according to the Globally Harmonized System (GHS).

· *Hazard pictograms*



GHS02 GHS08

· *Signal word* **Danger**

· *Hazard-determining components of labeling:*

Solvent naphtha (petroleum), light aliph.(VM&P)

· *Hazard statements*

Flammable solid.

May cause genetic defects.

May cause cancer.

2. HAZARDS IDENTIFICATION (CONTINUED)

- **Precautionary statements**

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Read label before use.

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.

Ground and bond container and receiving equipment.

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

Wear protective gloves/protective clothing/eye protection/face protection.

IF exposed or concerned: Get medical advice/attention.

In case of fire: Use for extinction: CO2, powder or water spray.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Additional information:**

5.2 % of the mixture consists of an ingredient or ingredients of unknown acute toxicity.

3. COMPOSITION / INFORMATION ON INGREDIENTS

- **Chemical characterization: Mixtures**

- **Description: Mixture**

- **Hazardous components:**

64742-89-8	Solvent naphtha (petroleum), light aliph. (VM&P)	25-50% w/w *
1332-58-7	Kaolin	25-50% w/w *
1333-86-4	Carbon black	2.5-10% w/w *
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	2.5-10% w/w *

* Actual concentration ranges are withheld as a trade secret.

- **Additional information:**

It is highly unlikely the powders and pigments compounded within this product would pose a hazardous risk from inhalation as they are no longer a respirable particulate. Exposure to these ingredients as used in sealants, putties, bedding compounds and other non-sprayable products is highly unlikely. The concentrations listed in the composition section are percent by weight unless a gas. Gas concentrations are expressed in percent by volume.

4. FIRST AID MEASURES

- **Description of first aid measures**

- **After inhalation:**

Call a doctor immediately.

Overexposure, remove to fresh air and seek medical attention.

- **After skin contact:**

Wipe excess from skin.

Immediately wash with water and soap and rinse thoroughly.

- **After eye contact:**

Rinse opened eye for 20 minutes under running water. If eye becomes irritated, obtain medical treatment.

- **After swallowing:** Seek medical treatment.

- **Information for doctor:**

Most important symptoms and effects, both acute and delayed No further relevant information available.

4. FIRST AID MEASURES (CONTINUED)

- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5. FIRE FIGHTING MEASURES

- **Extinguishing media**
- **Suitable extinguishing agents:** CO₂, extinguishing powder or water spray. Fight larger fires with water spray.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** Protective clothing and respiratory protective device.

6. ACCIDENTAL RELEASE MEASURES

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Dispose of contaminated material as waste in accordance with federal state and local regulations.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7. HANDLING AND STORAGE

- **Handling:**
- **Precautions for safe handling** No special precautions are necessary if used correctly.
- **Information about protection against explosions and fires:** Keep container closed when not in use.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Keep away from open flames and high temperatures.
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**

· **Components with limit values that require monitoring at the workplace:**

1332-58-7 Kaolin

EL Long-term value: 2 mg/m³

EV Long-term value: 2(D) mg/m³
respirable

8. EXPOSURE CONTROLS / PERSONAL PROTECTION (CONTINUED)

14807-96-6 Talc (Mg₃H₂(SiO₃)₄)	
EL	Long-term value: 2 *0.1 f/cc mg/m ³ resp. *if contains asbestos : ACGIH A1, IARC 1
EV	Long-term value: 2* mg/m ³ , 2 f/cc ppm *respirable
1333-86-4 Carbon black	
EL	Long-term value: 3 mg/m ³ IARC 2B
EV	Long-term value: 3.5 mg/m ³
13463-67-7 titanium dioxide	
EL	Long-term value: 10* 3** mg/m ³ *total dust; **respirable fraction; IARC 2B
EV	Long-term value: 10 mg/m ³ total dust
546-93-0 Magnesite	
EL	Long-term value: 10* 3** mg/m ³ *total dust, **respirable fraction
EV	Long-term value: 10 mg/m ³ total dust

· **Additional information:** The lists that were valid during the creation were used as basis.

- **Exposure controls**
- **Personal protective equipment (see listings below)**
- **General protective and hygienic measures:** Wash hands before breaks and at the end of work.
- **Breathing equipment:** Not required.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

Protective gloves.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:** Safety glasses with side shields.

- **Body protection:** Protective work clothing

9. PHYSICAL AND CHEMICAL PROPERTIES

· Information on basic physical and chemical properties	
· General Information	
· Appearance:	
Form:	<i>Pasty Solid</i>
Color:	<i>Black</i>
· Odor:	<i>Naptha</i>
· Odor threshold:	<i>Not determined.</i>
· pH-value:	<i>Not applicable.</i>
· Change in condition	
Melting point:	<i>Undetermined.</i>
· Boiling point:	<i>8.9 °C</i>
· Flash point:	<i>8.9 °C</i>
· Flammability (solid, gaseous):	<i>Not determined.</i>
· Decomposition temperature:	<i>Not determined.</i>
· Auto igniting:	<i>Product is not selfigniting.</i>
· Danger of explosion:	<i>Not determined.</i>
· Flammable limits:	
Lower:	<i>Not Available</i>
Upper:	<i>Not Available</i>
· Vapor pressure:	<i>Not applicable.</i>
· Specific gravity:	<i>1.16</i>
· Relative density	<i>Not determined.</i>
· Vapor density	<i>Not applicable.</i>
· Evaporation rate	<i>0.12</i>
· Solubility in / Miscibility with	
Water:	<i>Insoluble</i>
· Partition coefficient (n-octanol/water): <i>Not determined.</i>	
· Viscosity:	
Dynamic:	<i>Not applicable.</i>
Kinematic:	<i>>20.5 cSt</i>
· Solvent content:	
Organic solvents:	<i>25 %</i>
Solids content:	<i>75 %</i>
· Other information	<i>VOC content - 330 g/L</i>

10. STABILITY AND REACTIVITY

- **Reactivity** *No further relevant information available.*
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** *No decomposition if used according to specifications.*
- **Possibility of hazardous reactions** *No dangerous reactions known.*
- **Conditions to avoid** *Heat, flames, sparks.*
- **Incompatible materials:** *Reacts with strong oxidizing agents.*

10. STABILITY AND REACTIVITY (CONTINUED)

- **Hazardous decomposition products:** No dangerous decomposition products known.

11. TOXICOLOGICAL INFORMATION

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** May irritate the skin.
- **on the eye:** May irritate the eye.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	3
1333-86-4	Carbon black	2B
13463-67-7	titanium dioxide	2B
14808-60-7	non-respirable quartz	1

- **NTP (National Toxicology Program)**

14808-60-7	non-respirable quartz	K
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12. ECOLOGICAL INFORMATION

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
- *At present there are no ecotoxicological assessments.*
- *Water hazard class 1 (Self-assessment): slightly hazardous for water*
- *Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.*
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13. DISPOSAL CONSIDERATIONS

- **Waste treatment methods**
- **Recommendation:**
- *Small amounts can be disposed of with household waste after the product has cured or skinned over. Larger quantities should be disposed of according to state and local regulation.*
- *Must not be disposed of together with household garbage. Do not allow product to reach sewage system.*
- *Must be specially treated adhering to official regulations.*
- *Disposal must be made according to official regulations.*

14. TRANSPORT INFORMATION

<ul style="list-style-type: none"> · <i>UN-Number</i> · <i>DOT/TDG, ADR, IMDG, IATA</i> 	<p>UN1325</p>
<ul style="list-style-type: none"> · <i>UN proper shipping name</i> · <i>DOT/TDG</i> · <i>ADR</i> · <i>IMDG, IATA</i> 	<p>Adhesives 1133 Adhesives FLAMMABLE SOLID, ORGANIC, N.O.S.</p>
<ul style="list-style-type: none"> · <i>Transport hazard class(es)</i> · <i>DOT/TDG (Transport dangerous goods):</i> 	<p></p>
<ul style="list-style-type: none"> · <i>Class</i> · <i>Label</i> 	<p>4.1 Flammable solids, self-reactive substances and solid desensitised explosives 4.1</p>
<ul style="list-style-type: none"> · <i>ADR, IMDG</i> 	<p></p>
<ul style="list-style-type: none"> · <i>Label</i> 	<p>4.1</p>
<ul style="list-style-type: none"> · <i>IATA</i> 	<p></p>
<ul style="list-style-type: none"> · <i>Class</i> · <i>Label</i> 	<p>4.1 Flammable solids, self-reactive substances and solid desensitised explosives 4.1</p>
<ul style="list-style-type: none"> · <i>Packing group</i> · <i>ADR, IMDG, IATA</i> 	<p>II</p>
<ul style="list-style-type: none"> · <i>Environmental hazards:</i> 	<p>Not applicable.</p>
<ul style="list-style-type: none"> · <i>Special precautions for user</i> · <i>EMS Number:</i> 	<p>Not applicable. F-A,S-G</p>
<ul style="list-style-type: none"> · <i>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</i> 	<p>Not applicable.</p>
<ul style="list-style-type: none"> · <i>Transport/Additional information:</i> 	<p>Proof of Transportation Classification: The SDS authoring software has TDG classification capabilities based on product composition. Products are classified as per the revision date provided on the SDS.</p>

15. REGULATORY INFORMATION

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

· **TSCA (Toxic Substances Control Act):**

All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.

· **(DSL) Canada Domestic Substance List**

All components of this product are on the DSL(Canada Domestic Substance list) or are exempt from DSL requirements.

· **National regulations:**

· **Technical instructions (air):**

Class	Share in %
NK	29.8

· **Water hazard class:** *Water hazard class 1 (Self-assessment): slightly hazardous for water.*

· **Chemical safety assessment:** *A Chemical Safety Assessment has not been carried out.*

16. OTHER INFORMATION

Although the information and recommendations set forth in this MSDS are presented in good faith and are believed to be correct as of the date of this MSDS, C.R. Laurence makes no representations as to the completeness or accuracy thereof. Information is supplied on the condition that the persons receiving and using it will make their own determination as to the suitability for their purpose prior to use. In no event will C.R. Laurence or any affiliate thereof be responsible for damages of any nature whatsoever resulting from the use or reliance on the information set forth in the MSDS.

· **Creation Date:** 10/25/2014

· **Date of the latest revision of the safety data sheet** 04/04/2020 / 4

· **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

1. Identification

- **Identificateur de produit**
- **Nom du produit:** Windshield Sealant
- **Code du produit:** CRL7711
- **Utilisations identifiées pertinentes de la substance ou du mélange et utilisations déconseillées** Scellant
- **Emploi de la substance / de la préparation** Mastic
- **Renseignements concernant le fournisseur de la fiche de données de sécurité**
- **Producteur/fournisseur:**
C.R. Laurence Co., Inc.
2503 E. Vernon Ave
Los Angeles, Ca 90058-1826
Information Phone Number: (323) 588-1281
- **Service chargé des renseignements:** département de protection de l'environnement
- **Numéro d'appel d'urgence:**
ChemTrec : jour ou de la nuit dans les USA et Canada: 1-800-424-9300.
En dehors des USA et Canada : 1 703-527-3887 (appels à frais virés acceptés)

2. Identification des dangers

- **Classification de la substance ou du mélange**



GHS02 Flamme

Matières solides inflammables - catégorie 1

H228 Matière solide inflammable.



GHS08 Danger pour la santé

Mutagénicité sur les cellules germinales - catégorie 1B H340 Peut induire des anomalies génétiques.

Cancérogénicité - catégorie 1B

H350 Peut provoquer le cancer.

- **Éléments d'étiquetage**
- **Éléments d'étiquetage SGH** Le produit est classifié et étiqueté selon le Système Général Harmonisé (GHS).
- **Pictogrammes de danger**



GHS02 GHS08

- **Mention d'avertissement** Danger
- **Composants dangereux déterminants pour l'étiquetage:**
solvant naphta aliphatique léger (pétrole)
- **Mentions de danger**
Matière solide inflammable.
Peut induire des anomalies génétiques.
Peut provoquer le cancer.

2. Identification des dangers

- **Conseils de prudence**

En cas de consultation d'un médecin, garder à disposition le récipient ou l'étiquette.

Tenir hors de portée des enfants.

Lire l'étiquette avant utilisation.

Se procurer les instructions avant utilisation.

Ne pas manipuler avant d'avoir lu et compris toutes les précautions de sécurité.

Tenir à l'écart de la chaleur, des surfaces chaudes, des étincelles, des flammes nues et de toute autre source d'inflammation. Ne pas fumer.

Mise à la terre et liaison équipotentielle du récipient et du matériel de réception.

Utiliser du matériel [électrique/de ventilation/d'éclairage] antidéflagrant.

Porter des gants de protection/des vêtements de protection/un équipement de protection des yeux/du visage.

EN CAS d'exposition prouvée ou suspectée: Demander un avis médical/Consulter un médecin.

En cas d'incendie: Utiliser pour l'extinction: CO2, poudre d'extinction ou eau pulvérisée.

Garder sous clef.

Éliminer le contenu/récipient conformément à la réglementation locale/régionale/nationale/internationale.

- **Indications complémentaires:**

5,2 % of the mixture consists of an ingredient or ingredients of unknown acute toxicity.

3. Composition/information sur les ingrédients

- **Caractérisation chimique: Mélanges**

- **Description: MÉLANGE**

- **Composants dangereux:**

64742-89-8	solvant naphta aliphatique léger (pétrole)	25-50%p/p *
1332-58-7	Kaolin	25-50%p/p *
1333-86-4	noir de carbone	2,5-10%p/p *
14807-96-6	talc (Mg ₃ H ₂ (SiO ₃) ₄)	2,5-10%p/p *

** Les plages de concentrations réelles sont conservées en tant que secret commercial.*

- **Indications complémentaires:**

It is highly unlikely the powders and pigments compounded within this product would pose a hazardous risk from inhalation as they are no longer a respirable particulate. Exposure to these ingredients as used in sealants, putties, bedding compounds and other non-sprayable products is highly unlikely. The concentrations listed in the composition section are percent by weight unless a gas. Gas concentrations are expressed in percent by volume.

4. Premiers soins

- **Description des premiers secours**

- **Après inhalation:**

Envoyer immédiatement chercher un médecin.

Surexposition, à l'air frais et consulter un médecin.

- **Après contact avec la peau:**

Essuyez le surplus de peau.

Laver immédiatement à l'eau et au savon et bien rincer.

- **Après contact avec les yeux:**

Rincer l'œil ouvert pendant 20 minutes sous l'eau courante. Si l'œil devient irrité, obtenir un traitement médical.

- **Après ingestion:** Recourir à un traitement médical.

- **Indications destinées au médecin:**

- **Principaux symptômes et effets, aigus et différés** Pas d'autres informations importantes disponibles.

4. Premiers soins

- **Indication des éventuels soins médicaux immédiats et traitements particuliers nécessaires**
Pas d'autres informations importantes disponibles.

5. Mesures à prendre en cas d'incendie

- **Moyens d'extinction**
- **Moyens d'extinction:**
CO₂, poudre d'extinction ou eau pulvérisée. Combattre les foyers importants avec de l'eau pulvérisée.
- **Dangers particuliers résultant de la substance ou du mélange** Pas d'autres informations importantes disponibles.
- **Conseils aux pompiers**
- **Équipement spécial de sécurité:** Vêtements de protection et appareil respiratoire.

6. Mesures à prendre en cas de déversement accidentel

- **Précautions individuelles, équipement de protection et procédures d'urgence**
Porter un équipement de sécurité. Eloigner les personnes non protégées.
Veiller à une aération suffisante.
- **Précautions pour la protection de l'environnement:**
Ne pas rejeter dans les canalisations, dans les eaux de surface et dans les nappes d'eau souterraines.
- **Méthodes et matériel de confinement et de nettoyage:**
Evacuer les matériaux contaminés en tant que déchets conformément au point 13.
- **Référence à d'autres rubriques**
Afin d'obtenir des informations pour une manipulation sûre, consulter le chapitre 7.
Afin d'obtenir des informations sur les équipements de protection personnels, consulter le chapitre 8.
Afin d'obtenir des informations sur l'élimination, consulter le chapitre 13.

7. Manutention et stockage

- **Manipulation:**
- **Précautions à prendre pour une manipulation sans danger**
Aucune mesure particulière n'est nécessaire en cas de bonne utilisation.
- **Préventions des incendies et des explosions:** Garder le contenant fermé lorsqu'il n'est pas utilisé.
- **Conditions d'un stockage sûr, y compris d'éventuelles incompatibilités**
- **Stockage:**
- **Exigences concernant les lieux et conteneurs de stockage:** Aucune exigence particulière.
- **Indications concernant le stockage commun:** Conserver à l'écart des flammes nues et des températures élevées.
- **Autres indications sur les conditions de stockage:** Néant.
- **Utilisation(s) finale(s) particulière(s)** Pas d'autres informations importantes disponibles.

8. Contrôle de l'exposition/protection individuelle

- **Indications complémentaires pour l'agencement des installations techniques:**
Sans autre indication, voir point 7.

- **Paramètres de contrôle**

- **Composants présentant des valeurs-seuil à surveiller par poste de travail:**

1332-58-7 Kaolin

EL (Canada) Valeur à long terme: 2 mg/m³

8. Contrôle de l'exposition/protection individuelle

EV (Canada)	Valeur à long terme: 2(D) mg/m ³ respirable
1333-86-4 noir de carbone	
EL (Canada)	Valeur à long terme: 3 mg/m ³ IARC 2B
EV (Canada)	Valeur à long terme: 3,5 mg/m ³
14807-96-6 talc (Mg₃H₂(SiO₃)₄)	
EL (Canada)	Valeur à long terme: 2 *0,1 f/cc mg/m ³ resp. *if contains asbestos : ACGIH A1, IARC 1
EV (Canada)	Valeur à long terme: 2* mg/m ³ , 2 f/cc ppm *respirable

· **Remarques supplémentaires:**

Le présent document s'appuie sur les listes en vigueur au moment de son élaboration.

· **Contrôles de l'exposition**

· **Équipement de protection individuel:**

· **Mesures générales de protection et d'hygiène:** Se laver les mains avant les pauses et en fin de travail.

· **Protection respiratoire:** N'est pas nécessaire.

· **Protection des mains:**



Gants de protection

Le matériau des gants doit être imperméable et résistant au produit / à la substance / à la préparation.

À cause du manque de tests, aucune recommandation pour un matériau de gants pour le produit / la préparation / le mélange de produits chimiques ne peut être donnée.

Choix du matériau des gants en fonction des temps de pénétration, du taux de perméabilité et de la dégradation.

· **Matériau des gants**

Protective gloves.

Le choix de gants appropriés dépend non seulement du matériau, mais aussi d'autres critères de qualité qui peuvent varier d'un fabricant à l'autre. Puisque le produit représente une préparation composée de plusieurs substances, la résistance des matériaux des gants ne peut pas être calculée à l'avance et doit, alors, être contrôlée avant l'utilisation.

· **Temps de pénétration du matériau des gants**

Le temps de pénétration exact est à déterminer par le fabricant des gants de protection et à respecter.

· **Protection des yeux:** Lunettes de protection

· **Protection du corps:** Vêtements de travail protecteurs

9. Propriétés physiques et chimiques

· **Informations sur les propriétés physiques et chimiques essentielles**

· **Indications générales**

· **Aspect:**

Forme: Pasty Solid

Couleur: Noir

· **Odeur:** Naptha

· **Seuil olfactif:** Non déterminé.

· **valeur du pH:** Non applicable.

9. Propriétés physiques et chimiques

· Changement d'état Point de fusion/point de congélation:	Non déterminé.
Point initial d'ébullition et intervalle d'ébullition:	Non déterminé.
· Point d'éclair	8,9 °C
· Inflammabilité (solide, gaz):	Non déterminé.
· Température de décomposition:	Non déterminé.
· Température d'auto-inflammabilité:	Le produit ne s'enflamme pas spontanément.
· Propriétés explosives:	Non déterminé.
· Limites d'explosion: Inférieure:	Not Available
Supérieure:	Not Available
· Pression de vapeur:	Non applicable.
· Densité:	1.16
· Densité relative	Non déterminé.
· Densité de vapeur:	Non applicable.
· Taux d'évaporation:	0.12
· Solubilité dans/miscibilité avec l'eau:	Insoluble
· Coefficient de partage: n-octanol/eau:	Non déterminé.
· Viscosité: Dynamique:	Non applicable.
Cinématique:	>20.5 cSt
· Teneur en solvants: Solvants organiques:	25 %
· Teneur en substances solides:	75 %
· Autres informations	VOC content - 330 g/L

10. Stabilité et réactivité

- **Réactivité** Pas d'autres informations importantes disponibles.
- **Stabilité chimique**
- **Décomposition thermique/conditions à éviter:** Pas de décomposition en cas d'usage conforme.
- **Possibilité de réactions dangereuses** Aucune réaction dangereuse connue.
- **Conditions à éviter** Chaleur, flammes, étincelles
- **Matières incompatibles:** Réactions aux agents d'oxydation puissants.
- **Produits de décomposition dangereux:** Pas de produits de décomposition dangereux connus

11. Données toxicologiques

- **Informations sur les effets toxicologiques**
- **Toxicité aiguë**
- **Effet primaire d'irritation:**
- **Corrosion cutanée/irritation cutanée** peut irriter la peau
- **Lésions oculaires graves/irritation oculaire** Peut irriter l'oeil

11. Données toxicologiques

· **Sensibilisation respiratoire ou cutanée** Aucun effet de sensibilisation connu.

· **Indications toxicologiques complémentaires:**

· **Catégories cancérogènes**

· IARC / CIRC (Centre International de Recherche sur le Cancer)		
14807-96-6	talca ($Mg_3H_2(SiO_3)_4$)	3
1333-86-4	noir de carbone	2B
13463-67-7	dioxyde de titane	2B
14808-60-7	quartz (SiO_2)	1
· NTP / PNT (Programme National de Toxicologie)		
14808-60-7	quartz (SiO_2)	K

· **Effets CMR (cancérogène, mutagène et toxique pour la reproduction)**

Mutagenicité sur les cellules germinales - catégorie 1B, Cancérogénicité - catégorie 1B

12. Données écologiques

· **Toxicité**

· **Toxicité aquatique:** Pas d'autres informations importantes disponibles.

· **Persistance et dégradabilité** Pas d'autres informations importantes disponibles.

· **Comportement dans les compartiments de l'environnement:**

· **Potentiel de bioaccumulation** Pas d'autres informations importantes disponibles.

· **Mobilité dans le sol** Pas d'autres informations importantes disponibles.

· **Autres indications écologiques:**

· **Indications générales:**

Aucune évaluation écotoxicologique n'est à notre disposition à l'heure actuelle.

Catégorie de pollution des eaux 1 (D) (Classification propre): peu polluant

Ne pas laisser le produit, non dilué ou en grande quantité, pénétrer la nappe phréatique, les eaux ou les canalisations.

· **Résultats des évaluations PBT et VPVB**

· **PBT:** Non applicable.

· **vPvB:** Non applicable.

· **Autres effets néfastes** Pas d'autres informations importantes disponibles.

13. Données sur l'élimination

· **Méthodes de traitement des déchets**

· **Recommandation:**

Small amounts can be disposed of with household waste after the product has cured or skinned over. Larger quantities should be disposed of according to state and local regulation.

Ne doit pas être évacué avec les ordures ménagères. Ne pas laisser pénétrer dans les égouts.

Doit faire l'objet d'un traitement spécial conformément aux prescriptions légales.

Evacuation conformément aux prescriptions légales.

· **Emballages non nettoyés:**

· **Recommandation:** Evacuation conformément aux prescriptions légales.

14. Informations relatives au transport

14 Informations relatives au transport	
<ul style="list-style-type: none"> · Numéro ONU · DOT/TMD, ADR, IMDG, IATA 	UN1325
<ul style="list-style-type: none"> · Désignation officielle de transport de l'ONU · DOT/TMD · ADR · IMDG, IATA 	POUDRE MÉTALLIQUE INFLAMMABLE, N.S.A. 3089 POUDRE MÉTALLIQUE INFLAMMABLE, N.S.A. FLAMMABLE SOLID, ORGANIC, N.O.S.
<ul style="list-style-type: none"> · Classe(s) de danger pour le transport · DOT/TMD (Règlement sur le transport des marchandises dangereuses): 	4.1 Matières solides inflammables, matières autoréactives et matières explosibles désensibilisées solides.
<ul style="list-style-type: none"> · Class · Label 	4.1
<ul style="list-style-type: none"> · ADR, IMDG 	4.1
<ul style="list-style-type: none"> · Étiquette 	4.1
<ul style="list-style-type: none"> · IATA 	4.1 Matières solides inflammables, matières autoréactives et matières explosibles désensibilisées solides.
<ul style="list-style-type: none"> · Class · Label 	4.1
<ul style="list-style-type: none"> · Groupe d'emballage · ADR, IMDG, IATA 	II
<ul style="list-style-type: none"> · Dangers pour l'environnement: 	Non applicable.
<ul style="list-style-type: none"> · Précautions particulières à prendre par l'utilisateur · No EMS: 	Non applicable. F-A,S-G
<ul style="list-style-type: none"> · Transport en vrac conformément à l'annexe II de la convention Marpol et au recueil IBC 	Non applicable.
<ul style="list-style-type: none"> · Indications complémentaires de transport: 	Une preuve de transport Classification : la SDD logiciels de creation a basé les capacités de classification TMD sur la composition des produits. Les produits sont classés selon la date de révision fourni sur la SDD.
<ul style="list-style-type: none"> · ADR · Quantités limitées (LQ) 	1 kg

14. Informations relatives au transport

- | | |
|------------------------------|---|
| · "Règlement type" de l'ONU: | UN 3089 POUDRE MÉTALLIQUE INFLAMMABLE,
N.S.A., 4.1, II |
|------------------------------|---|

15. Informations sur la réglementation

- **Réglementations/législation particulières à la substance ou au mélange en matière de sécurité, de santé et d'environnement**

- **TSCA (Loi sur le contrôle des substances toxiques)**

Tous les composants sont compris.

- **Informations de danger relatives aux produit:**

Le produit est classé et identifié suivant les directives sur les Produits dangereux

- **Prescriptions nationales:**

- **Directives techniques air:**

Classe	Part en %
NK	29,0

- **Classe de pollution des eaux:** Classe de pollution des eaux 1 (Classification propre): peu polluant.
- **Évaluation de la sécurité chimique:** Une évaluation de la sécurité chimique n'a pas été réalisée.

16. Autres informations

Bien que les informations et les recommandations énoncés dans cette fiche signalétique sont présentées en bonne foi et sont réputées correctes à partir de la date de cette FDS, C.R. Laurence; mastics ne fait aucune représentation quant à l'exhaustivité ou l'exactitude de celle-ci. L'information est fournie sur la condition que les personnes recevant et en utilisant leur propre détermination quant à l'adéquation à leur objectif avant de l'utiliser. En aucun cas, C.R. Laurence scellants ou amp; toute filiale de celle-ci soit responsable des dommages de quelque nature que ce soit résultant de l'utilisation ni de la fiabilité de l'information énoncées dans la FS.

- **Date de la plus récente version révisée de la fiche de données de sécurité** 04/04/2020 / 4

- **Acronymes et abréviations:**

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative