# **SAFETY DATA SHEET**

INEOS Olefins & Polymers USA

Polypropylene (PP) resin

Section 1. Identification		
GHS product identifier	: Polypropylene (PP) resin	
Product code	: SDS# 1800	
Other means of identification	<ul> <li>10-3950, 13-series, 14-series, 100-series, H-series, KL-series, KS-series, KV-series, L-series, N-series, R-series, T-series, TS01, W-series, Experimental PP formulations designated by an "x" in the grade name, PP homopolymer, PP copolymer, PP terpolymer, widespec PP, offgrade PP, and generic prime PP.</li> </ul>	
	Covers all commercial and experimental polypropylene homo- and co-polymer products.	
	For product specific information please see our technical and regulatory documents online at www.ineos.com or contact your INEOS account representative.	
Product type	: Pellets. or Flakes.	
Recommended use of the c	hemical and restrictions to use	
Product use	: Industrial applications.	
Area of application	: Industrial applications.	
Supplier's details	: INEOS Olefins & Polymers USA 2600 South Shore Blvd. #500 League City, Texas 77573	
e-mail address of person responsible for this SDS	: rcspolymers@ineos.com	
Emergency telephone number (with hours of operation)	: USA:1 (800) 424-9300 Outside USA:+1 703-527-3887 (CHEMTREC)	

# Section 2. Hazards identification

Classification of the substance or mixture	: COMBUSTIBLE DUSTS
GHS label elements	
Signal word	: Warning
Hazard statements	: No Code(s) - May form combustible dust concentrations in air.
Precautionary statements	
Prevention	: Not applicable.
Response	: Not applicable.
Storage	: Not applicable.
Disposal	: Not applicable.
Supplemental label elements	: Keep container tightly closed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Prevent dust accumulation.

### Section 2. Hazards identification

No ingredient(s) of unknown acute toxicity is intentionally used in this product.

### Section 3. Composition/information on ingredients

Substance/mixture	: Polymer
Common name and synonyms	: 10-3950, 13-series, 14-series, 100-series, H-series, KL-series, KS-series, KV-series, L- series, N-series, R-series, T-series, TS01, W-series, Experimental PP formulations designated by an "x" in the grade name, PP homopolymer, PP copolymer, PP terpolymer, widespec PP, offgrade PP, and generic prime PP.

Covers all commercial and experimental polypropylene homo- and co-polymer products.

For product specific information please see our technical and regulatory documents online at www.ineos.com or contact your INEOS account representative.

### **CAS number/other identifiers**

<b>CAS number</b> : <b>9</b> 003-07-0/9010-79-1/29160-13-2/25895-47-0			
Ingredient name	Other names	%	CAS number
1-Propene, homopolymer 1-Propene, polymer with ethene 1-Butene, polymer with 1-propene 1-Butene, polymer with ethene and 1-propene	Not available. Not available. Not available. Not available.	0-100 0-100 0-100 0-100 0-100	9003-07-0 9010-79-1 29160-13-2 25895-47-0

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and hence require reporting in this section.

### Section 4. First aid measures

### **Description of necessary first aid measures**

Eye contact	<ul> <li>Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.</li> </ul>
Inhalation	<ul> <li>If affected by fumes from heated material, remove from source of exposure and move the affected person into fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.</li> </ul>
Skin contact	: If burned by contact with hot material, flush skin immediately with large amounts of cold water. If possible, submerge area in cold water. No attempt should be made to detach polymer adhering to the skin or to remove clothing attached with molten material. Thermal burns require immediate medical attention. Cold material: Wash with soap and water.

### Section 4. First aid measures

Ingestion	: Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person.
	If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/e	ffects, acute and delayed
Potential acute health effe	<u>cts</u>
Eye contact	: Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes.
Inhalation	: Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs.
Skin contact	: No known significant effects or critical hazards.
Ingestion	: No known significant effects or critical hazards.
Over-exposure signs/symp	<u>otoms</u>
Eye contact	: Adverse symptoms may include the following: irritation redness
Inhalation	: Adverse symptoms may include the following: respiratory tract irritation coughing
Skin contact	: No specific data.
Ingestion	: No specific data.
Indication of immediate med	lical attention and special treatment needed, if necessary
Notes to physician	<ul> <li>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</li> </ul>
Specific treatments	: No specific treatment.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. It may

See toxicological information (Section 11)

### Section 5. Fire-fighting measures

Suitable extinguishing media	: Use dry chemical powder.
Unsuitable extinguishing media	: Do not use water jet.
Specific hazards arising from the chemical	: May be combustible at high temperature.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide

be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

### Section 5. Fire-fighting measures

	Burning can produce carbon monoxide and/or carbon dioxide and other harmful products. The major decomposition products are low molecular weight oligmers (C6-18) of polypropylene. Degradation products may include trace amounts of acrolein, formaldehyde, aldehydes, and other organic vapors.
Special protective actions for fire-fighters	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

# Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Environmental precautions	: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Methods and materials for co	ntainment and cleaning up
Small spill	: Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.
Large spill	: Granules spilled on the floor can cause slipping.Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Avoid creating dusty conditions and prevent wind dispersal. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

# Section 7. Handling and storage

### Precautions for safe handling

Protective measures	: Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing dust. Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Prevent dust accumulation. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.

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# Section 7. Handling and storage

	<u> </u>
Advice on general occupational hygiene	<ul> <li>Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.</li> <li>Light hydrocarbon vapours can build up in the headspace of tanks. These can cause flammability/explosion hazards even at temperatures below the normal flash point (note: flash point must not be regarded as a reliable indicator of the potential flammability of vapour in tank headspaces). Tank headspaces should always be regarded as potentially flammable and care should be taken to avoid static electrical discharge and all ignition sources during filling, and sampling from storage tanks.</li> <li>There is a risk of being splashed with molten materials. Heated material can cause thermal burns. Do not breathe gas, fumes or vapor. When handling hot material, wear heat resistant protective gloves, clothing and face shield that are able to withstand the temperature of the heated product. Pneumatic conveying of powder and pellets can generate large static electrical charges. Electrical discharge in presence of air can cause an explosion. Earth all equipment.</li> <li>Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources. Fine dust clouds may form explosive mixtures with air. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material.</li> </ul>
Conditions for safe storage, including any incompatibilities	: Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use. The main hazards are related to pallet stock slippage and forklift truck maneuvers, which can cause injury to personnel. It is highly recommended that adequate procedures covering storage handling of pallets are established and maintained. These procedures must be kept up to date and regularly audited. In most cases, best practice is to stack pallets no more than 2 high. However, facilities responsible for storing the material should perform a site specific risk assessment to determine whether pallets can be stacked safely.

# Section 8. Exposure controls/personal protection

### **Control parameters**

Ingredient name	Exposure limits				
Polypropylene (PP) resin	ACGIH TLV (United States).				
	Particulates Not Otherwise Specified				
	TWA: 10 mg/m <sup>3</sup> 8 hours. Form: Inhala	ble			
	Particulates Not Otherwise Specified				
	TWA: 3 mg/m <sup>3</sup> 8 hours. Form: Respirable				
	fraction				
	OSHA PEL (United States). Particulates Not Otherwise Specified TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Respira fraction				
	Particulates Not Otherwise Specified				
	TWA: 15 mg/m <sup>3</sup> 8 hours. Form: Total				
1-Propene, homopolymer	ACGIH TLV (United States).				
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# When handling hot material, wear heat-resistant protective gloves that are able to withstand the temperature of molten product. Cold material: None required. However, use of adequate ventilation is good industrial practice. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When handling hot material, wear heat resistant protective gloves, clothing and face shield that are able to withstand the temperature of the heated product. Cold material: None required. However, use of adequate ventilation is good industrial practice.

Polypropylene (PP) resin

### Section 8. Exposure controls/personal protection

	TWA: 10 mg/m <sup>3</sup> , (nuisance particules) 8 hours. Form: Inhalable TWA: 3 mg/m <sup>3</sup> , (nuisance particules) 8 hours. Form: Respirable fraction <b>OSHA PEL Z3 (United States).</b> TWA: 5 mg/m <sup>3</sup> , (nuisance particulates) 8 hours. Form: Respirable fraction TWA: 15 mg/m <sup>3</sup> , (nuisance particulates) 8 hours. Form: Total dust			
1-Propene, polymer with ethene	None.			
1-Butene, polymer with 1-propene	None.			
1-Butene, polymer with ethene and 1-propene	None.			

Appropriate engineering controls	Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.
Environmental exposure controls	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
Individual protection measures	
Hygiene measures	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

- **Eye/face protection** : Safety glasses with side shields. If operating conditions cause high dust concentrations to be produced, use dust goggles.
- Skin protection
   to be produced, use dust goggles.

   Hand protection
   : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is

protection time of the gloves cannot be accurately estimated.

necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the

# Section 8. Exposure controls/personal protection

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Other skin protection	<ul> <li>Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.</li> <li>When handling hot material, wear heat-resistant protective gloves, clothing and face shield that are able to withstand the temperature of the molten product.</li> <li>Cold material: None required. However, use of adequate ventilation is good industrial practice.</li> </ul>
Respiratory protection	: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

# Section 9. Physical and chemical properties

Appearance		
Physical state	1	Solid. [Pellets./Flakes.]
Color	1	White to yellowish.
Odor	1	Not available.
Odor threshold	1	Not available.
рН	1	Not available.
Melting point	1	135 to 167°C (275 to 332.6°F)
Boiling point	1	Not available.
Flash point	1	Not available.
Evaporation rate	1	Not available.
Flammability (solid, gas)	1	Not applicable.
Lower and upper explosive (flammable) limits	:	Not available.
Vapor pressure	:	Not available.
Vapor density	1	Not available.
Relative density	1	0.85 to 0.965
Solubility	1	Insoluble in the following materials: cold water and hot water.
Partition coefficient: n- octanol/water	;	The product is insoluble in water and octanol.
Auto-ignition temperature	1	>340°C (>644°F)
Decomposition temperature	1	>300°C (>572°F)
Viscosity	:	Not available.

# Section 10. Stability and reactivity

Reactivity	: No specific test data related to rea	activity available for this	product or its ing	gredients.
Chemical stability	: The product is stable.			
Possibility of hazardous reactions	: Under normal conditions of storage Under normal conditions of storage			
Conditions to avoid	: If heated to more than 300°C, the product may form vapors or fumes which could cause irritation of the respiratory tract, coughing, and shortness of breath. Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material.			
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# Section 10. Stability and reactivity

Incompatible materials	: Reactive or incompatible with the following materials: oxidizing materials
Hazardous decomposition products	: Burning can produce carbon monoxide and/or carbon dioxide and other harmful products. The major decomposition products are low molecular weight oligmers (C6-18) of polypropylene. Degradation products may include trace amounts of acrolein, formaldehyde, aldehydes, and other organic vapors.
Section 11 Taxia	alogical information

### Section 11. Toxicological information

Information on the likely routes of exposure : Routes of entry anticipated: Oral, Dermal, Inhalation.

### Information on toxicological effects (Listed for the components where information is available.)

Acute toxicity				
Product/ingredient name	Result	Species	Dose	Exposure
Propene, homopolymer	LD50 Oral	Rat	>8 g/kg	-
- : Not available.		I	1	
Irritation/Corrosion	: Not available.			
Sensitization	: Not available.			
Specific target organ toxicity (single exposure)	: Not available.			
Specific target organ toxicity (repeated exposure)	: Not available.			
Aspiration hazard	: Not available.			
Potential acute health effects	i			
Eye contact	: Exposure to airborne of may cause irritation of		tatutory or recomm	ended exposure limits
Inhalation	: Exposure to airborne of may cause irritation of			ended exposure limits
Skin contact	No known significant effects or critical hazards.			
Ingestion	: No known significant e	ffects or critical hazard	S.	
Symptoms related to the phy	sical, chemical and toxic	ological characterist	ics	
Eye contact	: Adverse symptoms ma irritation redness	ay include the following	:	
Inhalation	: Adverse symptoms ma respiratory tract irritatio coughing		:	
Skin contact	: No specific data.			
Ingestion	: No specific data.			
Delayed and immediate effec	ts and also chronic effec	ts from short and lon	ig term exposure	
Short term exposure				
Potential immediate effects	: Not available.			
Potential delayed effects	: Not available.			
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### Section 11. Toxicological information

Section 11. Toxico	лод		rmation		
Long term exposure					
Potential immediate effects	: N	ot available.			
Potential delayed effects	: N	ot available.			
Potential chronic health eff	ects				
General	: R	epeated or pro	olonged inhala	tion of dust may	lead to chronic respiratory irritation.
Numerical measures of toxic	<u>ity</u>				
Acute toxicity estimates	: N	ot available.			
<u>Mutagenicity</u>					
Conclusion/Summary				at levels greater as a mutagen.	than or equal to 0.1% is classified by
<u>Carcinogenicity</u>					
Conclusion/Summary				is product at con IH as a carcinog	centrations greater than 0.1% are listed en.
Classification					
Product/ingredient name		OSHA	IARC	NTP	
Propene, homopolymer		-	3	-	
IARC 2B2B, Possibly carcIARC 33, Not classifiabIARC 44, Probably not	le as t	o its carcinog	enicity to huma	ans	
Reproductive toxicity					
Conclusion/Summary	: N	o known signi	ficant effects o	r critical hazards	5.
<b>Teratogenicity</b>					
Conclusion/Summary				at levels greater as teratogenic o	than or equal to 0.1% is classified by rembryotoxic.
Section 12. Ecolog	gica	l inform	ation		
<b>Ecotoxicity</b>					
Conclusion/Summary				•	hough not toxic, such materials may starvation or death.
Persistence and degradability	: N	ot available.			
Bioaccumulative potential	: Not available.				
<u>Mobility in soil</u>					
Soil/water partition coefficient (Koc)	: N	ot available.			
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- Mobility
   : This product is not likely to move rapidly with surface or groundwater flows because of its low water solubility.
- Other adverse effects : No known significant effects or critical hazards.

### Section 13. Disposal considerations

**Disposal methods** 

: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

### Section 14. Transport information

	DOT Classification	IMDG	ΙΑΤΑ
UN number	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name		-	-
Transport hazard class(es)	-	-	-
Packing group	-	-	-
Environmental hazards	No.	No.	No.

Special precautions for user : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according : Not available. to Annex II of MARPOL and the IBC Code

### Section 15. Regulatory information

Additional regulatory information may be available through our website, at www.ineos.com.

U.S. Federal regulations	: United States inve	ntory (TSCA 8b): .	All components are	listed or exen	npted.	
Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)	: Not listed					
Clean Air Act Section 602 Class I Substances	: Not listed					
Clean Air Act Section 602 Class II Substances	: Not listed					
DEA List I Chemicals (Precursor Chemicals)	: Not listed					
DEA List II Chemicals (Essential Chemicals)	: Not listed					
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### Section 15. Regulatory information

<u>SARA 302/304</u>			
Composition/information : No	products were fou	nd.	
<u>on ingredients</u>			
SARA 304 RQ : No	ot applicable.		
<u>SARA 311/312</u>			
Classification : 🖉	MBUSTIBLE DUST	S	
Composition/information on ingredients			
Name	%	Classification	
Propene, homopolymer	0 - 100	COMBUSTIBLE DUSTS	
1-Propene, polymer with ethene	0 - 100	COMBUSTIBLE DUSTS	
1-Butene, polymer with	0 - 100	COMBUSTIBLE DUSTS	
1-propene			
1-Butene, polymer with ethene	0 - 100	COMBUSTIBLE DUSTS	
and 1-propene			

### **SARA 313**

Not applicable.

### Section 16. Other information

Hazardous Material Information System (U.S.A.)



Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

### National Fire Protection Association (U.S.A.)



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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

### Procedure used to derive the classification

Date of issue/Date of revision	Date	of is	sue/	Date	of	revision
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### Section 16. Other information

Classification		Justification	
🖉omb. Dusts		On basis of test data	
<u>History</u>			
Date of issue/Date of revision	: 09/10/2018		
Date of previous issue	: No previous version.		
Version	: 3		
Key to abbreviations	IATA = International Air Tra IBC = Intermediate Bulk Co IMDG = International Mariti LogPow = logarithm of the MARPOL = International Co	ctor d System of Classification and Labelling of Chemicals ansport Association ontainer	
References	data file on the National Lib (TOXNET). Registry of Toxic Effects of Commission de la santé et (CSST) : information on che classification. National Toxicology Progra on Carcinogens International Agency for Re Occupational Safety and He Carcinogens	lationsHazardous Substances Database (HSDB) : toxicology orary of Medicine's (NLM) Toxicology Data Network Chemical Substances (RTECS) de la sécurité du travail, Service du répertoire toxicologique emical products used in the workplace including WHMIS m (NTP), Department of Health and Human Services: Report esearch on Cancer (IARC), List of Carcinogens ealth Administration (OSHA) (29 CFR 1910.1001-1052) – pational Safety and Health; NIOSH Pocket Guide to Chemical m Retrieval (AQUIRE)	

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.