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edding acrylic ink contained in: edding 5000, edding 5100, edding 5300 (other colours)

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SECTION 1: Identification		
1.1. Identification		
Product form Product name	: Mixture : edding acrylic ink contained in: edding 5000, edding 5100, edding 5300 (other colours)	
1.2. Recommended use and restrictions o	n use	
Use of the substance/mixture	: Ink for use in felt pens	
1.3. Supplier		
Manufacturer edding International GmbH Bookkoppel 7 22926 Ahrensburg Germany T +49 (0) 4102-808-0 Distributor	Distributor c/o MBCA/edding 2100 Ponce De Leon Blvd Ph 5 Coral Gables, FL USA 33134 T +1 (305) 851-5631	
1.4. Emergency telephone number		
Emergency number	: +1 (305) 851-5631 (9AM-5PM ET)	
SECTION 2: Hazard(s) identification 2.1. Classification of the substance or mix GHS classification Not classified.	:ture	
2.2. GHS Label elements, including precau	utionary statements	
GHS labelling No labelling applicable		
2.3. Other hazards which do not result in a	classification	
Other hazards which do not result in classification	: Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist. May cause an allergic skin reaction.	
2.4. Unknown acute toxicity (GHS US)		
Not applicable		
SECTION 3: Composition/information	on ingredients	
3.1. Substances		
Not applicable		

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3.2. Mixtures		
Name	Product identifier	%
Titanium Dioxide	CAS-No.: 13463-67-7	5 – 30

Comments

: The concentrations listed represent actual ranges that result from batch variability.

SECTION 4: First-aid measures	
4.1. Description of first aid measures	
First-aid measures after inhalation	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
First-aid measures after skin contact	 If skin irritation or rash occurs, flush skin with plenty of water. Get medical attention if irritation/rash persists.
First-aid measures after eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rise mouth out with water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.
4.2. Most important symptoms and effect	cts (acute and delayed)
Symptoms/effects after inhalation	: May cause irritation to the respiratory tract.
Symptoms/effects after skin contact	 May cause skin irritation. Repeated exposure may cause skin dryness or cracking. May cause an allergic skin reaction.
Symptoms/effects after eye contact	 May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
Symptoms/effects after ingestion	: May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

4.3. Immediate medical attention and special treatment, if necessary

Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

SECTION 5: Fire-fighting measures		
5.1. Suitable (and unsuitable) extinguishing	media	
Suitable extinguishing media Unsuitable extinguishing media	 Alcohol resistant foam. Carbon dioxide. Extinguishing powder. Water spray. Do not use water jet. 	
5.2. Specific hazards arising from the chemical		
Fire hazard	: Products of combustion may include, and are not limited to: oxides of carbon.	
5.3. Special protective equipment and precautions for fire-fighters		
Protection during firefighting	: Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).	

SECTION 6: Accidental release measures		
6.1. Personal precautions, pr	otective equipment and emergency procedures	
General measures	: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.	
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6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions	
Prevent entry to sewers and public waters.	
6.3. Methods and material for containment	and cleaning up
For containment	: Absorb and/or contain spill with inert material (sand, vermiculite or other appropriate material), then place in suitable container. Do not flush into surface water or sewer system. Wear

 Methods for cleaning up
 :
 Sweep or shovel spills into appropriate container for disposal. Provide ventilation.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection".

SECTION 7: Handling and stor	age
7.1. Precautions for safe handling	
Precautions for safe handling	 Avoid contact with eyes, skin and clothing. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Keep away from food, drink and animal feeding stuffs. Wash contaminated clothing before reuse. Always wash hands after handling the product.
Hygiene measures 7.2. Conditions for safe storage, ir	
Storage conditions	: Keep out of the reach of children. Keep container tightly closed. Store in a dry, cool and well- ventilated place.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

edding acrylic ink contained in: edding 5000, edding 5100, edding 5300 (other colours)		
No additional information available		
Titanium Dioxide (13463-67-7)		
USA - ACGIH - Occupational Exposure Limits		
ACGIH OEL TWA	10 mg/m ³	
ACGIH chemical category	Not Classifiable as a Human Carcinogen	
USA - OSHA - Occupational Exposure Limits		
OSHA PEL TWA [1]	15 mg/m ³ (total dust)	
USA - IDLH - Occupational Exposure Limits		
IDLH	5000 mg/m ³	

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Titanium Dioxide (13463-67-7)		
USA - NIOSH - Occupational Exposure Limits		
NIOSH REL TWA	2.4 mg/m³ (CIB 63-fine) 0.3 mg/m³ (CIB 63-ultrafine, including engineered nanoscale)	
8.2. Appropriate engineering controls		
Appropriate engineering controls: Ensure good ventilation of the work station.Environmental exposure controls: Avoid release to the environment.		
8.3. Individual protection measures/Personal p	protective equipment	
Hand protection:		
Wear suitable gloves		
Eye protection:		
Safety glasses or goggles are recommended when using product.		
Skin and body protection:		
Wear suitable protective clothing		
Respiratory protection:		
In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.		

Other information:

Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

SECTION 9: Physical and chemical			
9.1. Information on basic physical and o	chemical properties		
Physical state	: Liquid		
Colour	: Various		
Odour	: No data available		
Odour threshold	: No data available		
рН	: 8.3		
Melting point	: No data available		
Freezing point	: No data available		
Boiling point	: No data available		
Flash point	: No data available		
Relative evaporation rate (butylacetate=1)	: No data available		
Flammability (solid, gas)	: Not flammable		
Vapour pressure	: No data available		
Relative vapour density at 20 °C	: No data available		
Relative density	: 1.2		
Solubility	: Water: completely soluble		
Partition coefficient n-octanol/water	: No data available		
Auto-ignition temperature	: No data available		
Decomposition temperature	: No data available		
Viscosity, kinematic	: No data available		
Viscosity, dynamic	: No data available		
Explosive limits	: No data available		
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Explosive properties	: No data available
Oxidising properties	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Heat.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon.

SECTION 11: Toxicological information		
11.1. Information on toxicological effects		
Acute toxicity (oral)	: Not classified.	
Acute toxicity (dermal)	: Not classified.	
Acute toxicity (inhalation)	: Not classified.	
Titanium Dioxide (13463-67-7)		
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 425 (Acute Oral Toxicity: Up-and-Down Procedure), Guideline: EPA OPPTS 870.1100 (Acute Oral Toxicity)	
Skin corrosion/irritation	Not classified.	
	pH: 8.3	
Serious eye damage/irritation	: Not classified.	
	pH: 8.3	
Respiratory or skin sensitisation	: Not classified.	
Germ cell mutagenicity	: Not classified.	
Carcinogenicity	: Not classified.	
Titanium Dioxide (13463-67-7)		
IARC group	2B - Possibly carcinogenic to humans	
In OSHA Hazard Communication Carcinogen list	Yes	
Reproductive toxicity	Not classified.	

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STOT-single exposure	: Not classified.
STOT-repeated exposure	: Not classified.
Aspiration hazard	: Not classified.
Symptoms/effects after inhalation	: May cause irritation to the respiratory tract.
Symptoms/effects after skin contact	: May cause skin irritation. Repeated exposure may cause skin dryness or cracking. May cause an allergic skin reaction.
Symptoms/effects after eye contact	 May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
Symptoms/effects after ingestion	 May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Other information	: Likely routes of exposure: ingestion, inhalation, skin and eye.

SECTION 12: Ecological information		
12.1. Toxicity		
Ecology - general : May cause long-term adverse effects in the aquatic environment.		
Titanium Dioxide (13463-67-7)		
LC50 - Fish [1]	155 mg/l Test organisms (species): other:Japanese Medaka	
EC50 - Crustacea [1]	19.3 mg/l Test organisms (species): Daphnia magna	
EC50 - Crustacea [2]	27.8 mg/l Test organisms (species): Daphnia magna	
NOEC (chronic)	≥ 2.92 mg/l Test organisms (species): Daphnia magna Duration: '21 d'	
12.2. Persistence and degradability		
edding acrylic ink contained in: edding 5000,	edding 5100, edding 5300 (other colours)	
Persistence and degradability	Not established.	
12.3. Bioaccumulative potential		
edding acrylic ink contained in: edding 5000,	edding 5100, edding 5300 (other colours)	
Bioaccumulative potential	Not established.	
12.4. Mobility in soil		
No additional information available		
12.5. Other adverse effects		
Other information :	No other effects known.	
SECTION 13: Disposal considerations		
13.1. Disposal methods		

Product/Packaging disposal recommendations

: Dispose in a safe manner in accordance with local/national regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way.

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SECTION 14: Transport informa	tion	
14.1. UN number		
Not regulated for transport		
14.1. UN number		
Not regulated for transport		
14.2. UN proper shipping name		
Not applicable		
14.3. Transport hazard class(es)		
Department of Transportation (DOT) and Transportation of Dangerous Goods (TDG) Not regulated		
14.4. Packing group		
Not applicable		
14.5. Environmental hazards		
Other information	: No supplementary information available.	
14.6. Special precautions for user		
Special transport precautions	: Do not handle until all safety precautions have been read and understood.	
14.7 Transport in bulk according to	o Annex II of MARPOL 73/78 and the IBC Code	

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

All components of this product are listed, or excluded from listing, on the Canadian DSL (Domestic Substances List) and NDSL (Non-Domestic Substances List) inventories.

15.2. International regulations

No additional information available

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information

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Other information Prepared by None.
Nexreg Compliance Inc. <u>www.Nexreg.com</u>

NEXREG

SDS HazCom 2012 - WHMIS 2015 (Nexreg) 2021

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SECTION 1: Identification		
1.1. Identification		
Product form Product name	: Mixture : edding acrylic ink contained in: edding 5000, edding 5100, edding 5300 (black)	
1.2. Recommended use and restrictions of	n use	
Use of the substance/mixture	: Ink for use in felt pens	
1.3. Supplier		
Manufacturer edding International GmbH Bookkoppel 7 22926 Ahrensburg Germany T +49 (0) 4102-808-0 Distributor	Distributor c/o MBCA/edding 2100 Ponce De Leon Blvd Ph 5 Coral Gables, FL USA 33134 T +1 (305) 851-5631	
1.4. Emergency telephone number		
Emergency number	: +1 (305) 851-5631 (9AM-5PM ET)	
SECTION 2: Hazard(s) identification 2.1. Classification of the substance or mixture		
GHS classification Not classified.		
2.2. GHS Label elements, including precautionary statements		
GHS labelling No labelling applicable		
2.3. Other hazards which do not result in classification		
Other hazards which do not result in classification : May cause an allergic skin reaction.		
2.4. Unknown acute toxicity		
Not applicable		
SECTION 3: Composition/information	on ingredients	
3.1. Substances		
Not applicable		
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3.2. Mixtures		
Name	Product identifier	%
Carbon black	CAS-No.: 1333-86-4	1 – 5

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

SECTION 4: First-aid measures		
4.1. Description of first aid measures		
First-aid measures after inhalation	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.	
First-aid measures after skin contact	: If skin irritation or rash occurs, flush skin with plenty of water. Get medical attention if irritation/rash persists.	
First-aid measures after eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.	
First-aid measures after ingestion	: Rise mouth out with water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.	
4.2. Most important symptoms and effects (acute and delayed)		
Symptoms/effects after inhalation	: May cause irritation to the respiratory tract.	
Symptoms/effects after skin contact	: May cause skin irritation. Repeated exposure may cause skin dryness or cracking. May cause an allergic skin reaction.	
Symptoms/effects after eye contact	: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.	
Symptoms/effects after ingestion	: May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.	

4.3. Immediate medical attention and special treatment, if necessary

Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

SECTION 5: Fire-fighting measures	
5.1. Suitable (and unsuitable) extinguishing media	
Suitable extinguishing media Unsuitable extinguishing media	Alcohol resistant foam. Carbon dioxide. Extinguishing powder. Water spray.Do not use water jet.
5.2. Specific hazards arising from the chemical	
Fire hazard	: Products of combustion may include, and are not limited to: oxides of carbon.
5.3. Special protective equipment and precautions for fire-fighters	
Protection during firefighting	: Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

SECTION 6: Accidental release measures 6.1. Personal precautions, protective equipment and emergency procedures General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. 05/03/2021 EN (English) 2/7

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6.1.1. For non-emergency personnel No additional information available		
6.1.2. For emergency responders No additional information available		
6.2. Environmental precautions		
Prevent entry to sewers and public waters.		
6.3. Methods and material for containment and cleaning up		
For containment	 Absorb and/or contain spill with inert material (sand, vermiculite or other appropriate material), then place in suitable container. Do not flush into surface water or sewer system. Wear recommended personal protective equipment. 	
Methods for cleaning up	: Sweep or shovel spills into appropriate container for disposal. Provide ventilation.	
6.4. Reference to other sections		

For further information refer to section 8: "Exposure controls/personal protection".

SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling	 Avoid contact with eyes, skin and clothing. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Keep away from food, drink and animal feeding stuffs.
Hygiene measures	: Wash contaminated clothing before reuse. Always wash hands after handling the product.
7.2. Conditions for safe storage, including any incompatibilities	
Storage conditions	: Keep out of the reach of children. Keep container tightly closed. Store in a dry, cool and well-

ventilated place.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

edding acrylic ink contained in: edding 5000, edding 5100, edding 5300 (black)

No additional information available	
Carbon black (1333-86-4)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Carbon black
ACGIH OEL TWA	3 mg/m³ (inhalable particulate matter)
Remark (ACGIH)	TLV® Basis: Bronchitis. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans
Regulatory reference	ACGIH 2020
USA - OSHA - Occupational Exposure Limits	
Local name	Carbon black

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Carbon black (1333-86-4)			
OSHA PEL TWA [1]	3.5 mg/m ³		
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1		
USA - IDLH - Occupational Exposure Limits			
IDLH	1750 mg/m³		
USA - NIOSH - Occupational Exposure Limits			
NIOSH REL TWA	3.5 mg/m³ 0.1 mg/m³ (Carbon black in presence of Polycyclic aromatic hydrocarbons)		
8.2. Appropriate engineering controls			
Appropriate engineering controls : Ensure good ventilation of the work station. Environmental exposure controls : Avoid release to the environment.			
8.3. Individual protection measures/Personal	8.3. Individual protection measures/Personal protective equipment		
Hand protection:			
Wear suitable gloves			
Eye protection:			
Safety glasses or goggles are recommended when using product.			
Skin and body protection:			
Wear suitable protective clothing			
Respiratory protection:			
In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.			
Other information:			

Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Black
Odour	: No data available
Odour threshold	: No data available
pH	: 8.3
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: Not flammable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 1.2
Solubility	: Water: completely soluble

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9.2. Other information

No additional information available

SECTION 10: Stability and reactivity
10.1. Reactivity
No dangerous reactions known under normal conditions of use.
10.2. Chemical stability
Stable under normal conditions.
10.3. Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use.
10.4. Conditions to avoid
Heat.
10.5. Incompatible materials
None known.
10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon.

SECTION 11: Toxicological information

11.1. Information on toxicological effects	
Acute toxicity (oral) Acute toxicity (dermal) Acute toxicity (inhalation)	 Not classified. Not classified. Not classified.
Carbon black (1333-86-4)	
LD50 oral rat	> 15400 mg/kg
Skin corrosion/irritation	Not classified.
Serious eye damage/irritation	pH: 8.3 : Not classified. pH: 8.3
Respiratory or skin sensitisation	. Not classified.
Germ cell mutagenicity	: Not classified.
Carcinogenicity	: Not classified.
Reproductive toxicity	: Not classified.

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STOT-single exposure	: Not classified.
STOT-repeated exposure	: Not classified.
Aspiration hazard	: Not classified.
Symptoms/effects after inhalation	: May cause irritation to the respiratory tract.
Symptoms/effects after skin contact	May cause skin irritation. Repeated exposure may cause skin dryness or cracking. May cause an allergic skin reaction.
Symptoms/effects after eye contact	May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
Symptoms/effects after ingestion	 May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Other information	: Likely routes of exposure: ingestion, inhalation, skin and eye.

SECTION 12: Ecological information	
12.1. Toxicity	
Ecology - general :	May cause long-term adverse effects in the aquatic environment.
12.2. Persistence and degradability	
edding acrylic ink contained in: edding 5000, edding 5100, edding 5300 (black)	
Persistence and degradability	Not established.
12.3. Bioaccumulative potential	
edding acrylic ink contained in: edding 5000,	edding 5100, edding 5300 (black)
Bioaccumulative potential	Not established.
12.4. Mobility in soil	
No additional information available	
12.5. Other adverse effects	
Other information :	No other effects known.
SECTION 13: Disposal considerations	
13.1. Disposal methods	
Product/Packaging disposal recommendations :	Dispose in a safe manner in accordance with local/national regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way.
SECTION 14: Transport information	

SECTION 14. Transport mormation		
14.1. UN number		
Not regulated for transport		
14.2. UN proper shipping name		
Not applicable		
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14.3. Transport hazard class(es)

Department of Transportation (DOT) and Transportation of Dangerous Goods (TDG)

Not regulated

14.4. Packing group	
Not applicable	
14.5. Environmental hazards	
Other information	: No supplementary information available.
14.6. Special precautions for user	
Special transport precautions	: Do not handle until all safety precautions have been read and understood.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

All components of this product are listed, or excluded from listing, on the Canadian DSL (Domestic Substances List) and NDSL (Non-Domestic Substances List) inventories.

15.2. International regulations

No additional information available

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015 Revision date : 05/03/2021

Other information Prepared by None. Nexreg Compliance Inc.

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N E X R E G

SDS HazCom 2012 - WHMIS 2015 (Nexreg) 2021

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05/03/2021

EN (English)