

FMSI Automotive Hardware 1070 Heritage Road Burlington, ON, L7L 4X9 Canada +1 800-651-7445

AR4231 (AR4238 + AR4247)

Repla KOOL-AIR SEAL TWO - 114 g (4 oz.) PRODUCT:

CODE: AR4238

#### **SECTION 01: IDENTIFICATION**

Product Item Numbers..... AR4238

Repla Kool-Air Seal Two A/C Stop Leak - 114 g (4 oz.) Product Identity.....

FMSI Automotive Hardware 1070 Heritage Road Manufacturer.....

Burlington Ontario Canada

L7L 4X9 800-651-7445

In Canada: Call CANUTEC (613) 996-6666 - In The United States: Call CHEMTREC (800) 24 hour emergency telephone number.....

424-9300.

Recommended Use..... Repairs and conditions O-Rings Seals.

Chemical Family..... Mixture.

#### SECTION 02: HAZARD IDENTIFICATION



Label Elements: Signal Word..... DANGER. Hazard Classification:

Flammable Aerosols - Category 1. Gases Under Pressure - Liquefied Gas. Physical Hazards.....

Skin Irritation - Category 2. Eye Irritation - Category 2A. Carcinogenicity - Category 2. Specific Target Organ Toxicity, Repeated Exposure - Category 2. Health Hazards.....

Environmental Hazards..... Not Classified.

Hazard Statement..... H222:Extremely flammable aerosol (1). H229:Pressurized container: may burst if heated

(1). H280:Contains gas under pressure; may explode if heated (L). H315:Causes skin irritation. H319:Causes serious eye irritation. H351:Suspected of causing cancer.

H373:May cause damage to organs through prolonged or repeated exposure. (Liver).

Precautionary Statements:

Prevention..... P210:Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211:Do not spray on an open flame or other ignition source. P251:Do not pierce or burn, even after use. P264:Wash hand thoroughly after handling. P202:Do not

handle until all safety precautions have been read and understood. P201:Obtain special

instructions before use. P280:Wear protective gloves/ protective clothing/ eye protection/ face protection. P260:Do not breathe dust/ fume/ gas/ mist/ vapours /spray. P302+P352:IF ON SKIN: Wash with plenty of water. P332+P313:If skin irritation occurs: Response..... Get medical help. P362+P364:Take off contaminated clothing and wash it before reuse. P321:For specific treatment see section 4 on this SDS. P305+P351+P338:IF IN EYES:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313:If eye irritation persists: Get medical advice/attention. P308+P313:If exposed or concerned: Get medical advice/attention.

P410+P412:Protect from sunlight. Do not expose to temperatures exceeding 50°C /122°F. P403:Store in a well ventilated place. P405: Store locked up. Storage.....

P501:Dispose of contents/container in accordance with local, regional, national, and/or Disposal.....

international regulations.

Hazard(s) not otherwise classified (HNOC) None Known.

SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS				
CHEMICAL NAME AND SYNONYMS	CAS#	WT. %		
Isobutane	75-28-5	30-60		
Propane	74-98-6	30-60		
Organochlorinated Compound	-	10-30		

# PRODUCT: Repla KOOL-AIR SEAL TWO - 114 g (4 oz.)

# **SECTION 04: FIRST-AID MEASURES**

Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration and obtain
	immediate medical assistance.
Skin Contact	Wear chemical protective clothing if necessary. Remove contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Consult a poison control centre or
	physician immediately.
Eye Contact	Avoid direct contact. Check for and remove contact lenses. Immediately flush eyes with water for a minimum of 15 minutes keeping eyelids open. Consult a doctor if any irritation occurs.
Ingestion	If swallowed, call a Poison Control Center or doctor immediately. Do not induce vomiting.
Most important symptoms/effects, acute and delayed	Provide general supportive measures and treat symptomatically. If exposed or concerned, see a doctor for medical advice. All first aid procedures should be periodically reviewed by
Indication of immediate medical attention	a doctor familiar with the chemical and its conditions of use in the workplace.  Provide general supportive measures and treat symptomatically. In case of shortness of
and special treatment needed	breath give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

### **SECTION 05: FIRE-FIGHTING MEASURES**

Suitable Extinguishing Media	Dry chemical powder. Carbon dioxide. Foam, water spray or fog.
Unsuitable Extinguishing Media	
Specific Hazards Arising from the Chemica	Il Contents under pressure. Pressurized container may explode when exposed to heat or
	flame.
Special Protective Equipment and	Firefighters must use standard protective equipment including flame retardant coat, helmet
Precautions for Firefighters	with water to prevent vapor pressure build up. For massive fire in cargo area, use
	unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.
General Fire Hazards	Extremely flammable aerosol.

# **SECTION 06: ACCIDENTAL RELEASE MEASURES**

Personal Precautions, Protective Equipment and Emergency Procedures	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Avoid walking through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 08).
Methods and Materials for Containment and Cleaning Up Environmental Precautions	Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (see section 13).  Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

# **SECTION 07: HANDLING AND STORAGE**

Precautions for Safe Handling	Read and observe all precautions and instructions on the label. Do not pressurize, cut,
_	weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames.
	Product is flammable. Avoid contact with eyes, skin, and clothing. Avoid breathing vapour
	of this product. Avoid prolonged exposure. Use in well-ventilated areas.
Conditions for Safe Storage including any	Do not handle or store near an open flame, heat or other sources of ignition. Store away
Incompatibilities	from incompatible materials (see Section 10).

## **SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

INGREDIENTS	TWA	CGIH TLV STEL	OSH <i>A</i> PEL	A PEL STEL	NIOSH REL
Isobutane	Not available	1,000 ppm	Not available	Not available	Not available
Propane	Not available	Not available	1,000 ppm	Not available	Not available
Organochlorinated Compound	50 ppm	Not available	25 ppm	125 ppm	Not available
Appropriate Engineering ControlsIndividual Protection Measures:		Local exhaust ventilation r Value if unprotected person	onnel are involved.	•	e Threshold Limit
Skin Protection Chemical resistant glove		Do not get in eyes. Wear s Chemical resistant gloves appropriate chemical resis	are recommended. A	de-shields. void contact with the sk	in. Wear
Respiratory Protection			pirator suitable for org	anic vapours.	

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# PRODUCT: Repla KOOL-AIR SEAL TWO - 114 g (4 oz.)

### **SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

General Hygiene Considerations..... When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking.

Routinely wash work clothing and protective equipment prior to use.

#### SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Form..... Aerosol. Physical Appearance..... Light Brown. Characteristic . Odor Threshold (ppm)..... N/A. Specific Gravity ..... N/A. Vapor Pressure (@ 20°C)..... Vapour Density (Air=1)..... Not applicable. N/A. N/A. -11.72°C (10.9°F). N/A. -82.8. Tag Closed Cup. (Isobutane). Flashback..... No data. Evaporation Rate (n-Butyl Acetate = 1)..... >1. VOC Content..... No data. Solubility in water..... Insoluble. Aerosol Flame Projection..... N/A Auto Ignition Temperature (°C)..... Lower Flammable Limit (% Vol)..... Upper Flammable Limit (% Vol).... 460°C (860°F). (Isobutane). 1.8. (Isobutane). 8.8. (Isobutane). Coefficient of Water/Oil Distribution...... Viscosity.....

#### **SECTION 10: STABILITY AND REACTIVITY**

Product not reactive under normal conditions of use. Material is stable under normal conditions. Will not occur.

Conditions to Avoid..... Avoid sources of heat and flame, and electrostatic charge. Reacts with water and acid. Incompatible Materials..... Increased risk of fire and explosion on contact with: strong oxidizing agents (e.g. perchloric acid), methanol, alkali metals (e.g. sodium or potassium). Oxidizing agents. Water. Acids.

Bases. Hazardous Decomposition Products...... Prolonged contact with water may form corrosive hydrochloric acid.

#### SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
Isobutane	658 mg/L (Rat - 4 hrs)	Not available
Propane	658 mg/L (Rat - 4 hrs)	Not available
Organochlorinated Compound	77.01 mg/L (Rat - 4 hrs)	1,400 mg/kg (Oral - Rat); >2,000 mg/kg (Dermal - Rabbit)
Information on Likely Routes of Exposure: Routes of entry - Inhalation		

Routes of entry - Skin & Eye...... No. No. Symptoms Related to the Physical, Chemical and Toxicological Characteristics

Acute Toxicity.....Skin Corrosion/Irritation......Serious Eye Damage/Eye Irritation..... No known significant effects. Causes skin irritation.
Causes serious eye irritation.

Respiratory or Skin Sensitization..... Not expected to be a skin or respiratory sensitizers.

Germ Cell Mutagenicity..... No information is available, and no adverse effects are expected.

Contains ingredients classified as carcinogens.

Carcinogenicity.....Reproductive Toxicity..... Contains no ingredient listed as toxic to reproduction.

STOT - Single Exposure..... Based on available data, the classification criteria are not met. May cause respiratory

May cause damage to the organs through prolonged or repeated exposure. STOT - Repeated Exposure.....

Aspiration Hazard..... Not classified.

Prolonged inhalation may be harmful. Chronic Effects.....

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#### PRODUCT: Repla KOOL-AIR SEAL TWO - 114 g (4 oz.)

# **SECTION 12: ECOLOGICAL INFORMATION**

Complete information is not yet available. This product has not been tested. Based on Ecotoxicity..... information available on its ingredients, no adverse environmental impact is anticipated

under intended use in accordance with instructions.

Persistence and degradability ..... The product itself has not been tested. Bioaccumulation Potential..... The product itself has not been tested. Mobility in Soil..... The product itself has not been tested.

Other Adverse Effects..... None Known.

# **SECTION 13: DISPOSAL CONSIDERATIONS**

Empty containers may be recycled. Contents under pressure. Do not puncture, incinerate Appropriate Disposal Methods..... or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate

ponds, waterways or ditches with chemical or used container. Dispose in accordance with

current local, provincial and federal regulations.

### **SECTION 14: TRANSPORT INFORMATION**

UN1950, AEROSOLS, Class 2.1, Ltd. Qty. UN1950, AEROSOLS, Class 2.1, Ltd. Qty., Consumer Commodity ORM-D. UN1950, AEROSOLS, Class 2.1, Ltd. Qty. UN1950, AEROSOLS, Class 2.1, Ltd. Qty. IATA (International- Air).....

#### **SECTION 15: REGULATORY INFORMATION**

Refer to Section 2 for a WHMIS 2015 Classification for this product. Canada Regulations:..... Canadian Environmental Protection Act ... All ingredients listed appear on the Domestic Substances List (DSL).

(CEPA) Environmental Protection Act: Constituents of this product are included on the TSCA

ÙS Regulations..... inventory.

This product is considered hazardous under the Federal OSHA hazard communication

standard.

#### **SECTION 16: OTHER INFORMATION**

The information contained herein is based on data considered accurate. No guarantee or Disclaimer..... warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. The SDS provider assumes no responsibility for personal injury or property damage to vendors or users or third parties, caused by the material. Such vendors or users assume all risks with the use of the material. This product has been classified in

accordance with the hazard criteria of the CPR and the SDS contains all the information required by the CPR.

ACGIH: American Conference of Governmental Industrial Hygienists; CAS: Chemical Abbreviations.....

Abstract Service; NIOSH: National Institute for Occupational Safety and Health, OSHA: Occupational Safety and Health Administration- USA; TSCA: Toxic Substances Control Act 1976-USA; PEL: Permissible Exposure Limit; REL: Recommended Exposure Limit; TLV: Threshold Limit Value; VOC: Volatile Organic Content; WHMIS: Workplace Hazardous

Materials Information System STOT: Specific Target Organ Toxicity.

Prepared by ..... Regulatory Affairs

Latest Revision ..... 2020-08-11

**AR4231** 

CODE: AR4238



FMSI Automotive Hardware 1070 Heritage Road Burlington, ON, L7L 4X9 Canada 800-651-7445

PRODUCT: Repla 134 Refrigerant - 170 g (6 oz.) CODE: FM-AR4247

#### SECTION 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Item Numbers..... FM-AR4247

Product Identity..... Repla 134 Refrigerant - 170 g (6 oz.)

FMSI Automotive Hardware 1070 Heritage Road Manufacturer.....

Burlington Ontario Canada

L7L 4X9 800-651-7445 24 hour emergency telephone number.....

In Canada: Call CANUTEC (613) 996-6666 - In The United States: Call CHEMTREC (800)

424-9300.

Recommended Use..... Environmental friendly refrigerant.

Chemical Family..... Hydrocarbon blend.

#### SECTION 02: HAZARDS IDENTIFICATION



Label Elements: Signal Word..... DANGER.

Hazard Classification: Physical Hazards..... Flammable Aerosols - Category 1. Gases Under Pressure - Liquefied Gas .

Not Classified. Health Hazards..... Environmental Hazards..... Not Classified.

Extremely flammable aerosol. Pressurized container: may burst if heated. Contains gas Hazard Statement.....

under pressure; may explode if heated. Precautionary Statements:

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

smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn,

even after use.

Response..... None.

Protect from sunlight. Do not expose to temperatures exceeding 50°C /122°F. Store in a Storage.....

well ventilated place.

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

regulations.

Hazard(s) not otherwise classified (HNOC) Avoid inhalation of the product. Use only as directed.

SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS					
HAZARDOUS INGREDIENTS CAS # WT. %					
Isobutane Propane	75-28-5 74-98-6	10-30 10-30			

# **SECTION 04: FIRST AID MEASURES**

Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration and obtain	
	immediate medical assistance.	

Skin Contact..... Remove contaminated clothing. Rinse skin immediately with plenty of water for 15-20

minutes. Consult a poison control centre or physician immediately.

Check for and remove contact lenses. Immediately flush eyes with water for a minimum of Eye Contact.....

15 minutes keeping eyelids open. Consult a doctor if any irritation occurs.

Ingestion..... Ingestion is unlikely to occur. If swallowed do not induce vomiting because of risk of aspiration into the lungs. If aspiration is suspected obtain immediate medical attention. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Direct Most important symptoms/effects, acute ... contact with eyes may cause temporary irritation. Vapors have a narcotic effect and may and delayed

cause headache, fatigue, dizziness and nausea. May cause redness and pain.

PRODUCT NAME: REPLA 134 REFRIGERANT - 170 G (6 OZ.) ISSUE DATE: 08-27-2019

PRODUCT: Repla 134 Refrigerant - 170 g (6 oz.)

### **SECTION 04: FIRST AID MEASURES**

Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. In case of shortness of breath give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

CODE: FM-AR4247

#### **SECTION 05: FIRE FIGHTING MEASURES**

General Fire Hazards..... Extremely flammable aerosol.

Suitable Extinguishing Media..... Dry chemical powder. Carbon dioxide. Foam, water spray or fog.

Do not use water jet as an extinguisher, as this will spread the fire. Unsuitable Extinguishing Media.....

Specific Hazards Arising from the Chemical In case of fire, the following can be released: Carbon Oxides (CO, CO2), Other unidentified Organic Compounds.

Special Protective Equipment and ......

Precautions for Firefighters

Firefighters must use standard protective equipment including flame retardant coat, helmet with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

### **SECTION 06: ACCIDENTAL RELEASE MEASURES**

Personal Precautions, Protective ..... Equipment and Emergency Procedures

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Avoid walking through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 08).

Methods and Materials for Containment .. and Cleaning Up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (see section 13). Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.)

Environmental Precautions.....

away from spilled material. Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

#### SECTION 07: HANDLING AND STORAGE

Precautions for Safe Handling.....

Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames. Avoid breathing vapour of this product. Avoid contact with skin and eyes. Avoid prolonged exposure. Use in well-ventilated areas.

Conditions for Safe Storage including any Incompatibilities

Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C (122°F). Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. Store away from incompatible materials (see Section 10).

#### SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	TWA	CGIH TLV STEL	PEL	SHA PEL STEL	NIOSH REL
Isobutane	Not available	1,000 ppm	Not available	Not available	Not available
Propane	Not available	Not available	1,000 ppm	Not available	Not available
Appropriate Engineering Controls Local exh Value if use Individual Protection Measures: Eye/Face Protection Chemical Skin Protection Chemical appropriate Appropriation appropriation of Chemical appropriation appropriation of Chemical appropria		Chemical splash goggles Chemical resistant gloves appropriate chemical resisuse approved NIOSH res None Known. When using, do not eat, d	are recommended are recommended stant clothing. pirators for emergent lrink or smoke. Alwardling the material	d. Avoid contact with the sl encies. vays observe good persona and before eating, drinking	kin. Wear al hygiene measures,

### SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Aerosol. Physical Appearance..... Clear/Transparent . Colorless. Odor..... Characteristic . Odor Threshold (ppm)...... N/A.

PRODUCT NAME: REPLA 134 REFRIGERANT - 170 G (6 OZ.) ISSUE DATE: 08-27-2019

**AR4231** (AR4238 + AR4247)

### PRODUCT: Repla 134 Refrigerant - 170 g (6 oz.)

### **SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

Aerosol Vapour Pressure (psig, 21°C)..... 80-95. Specific Gravity ..... 0.500-0.610. VOC Content...... > 95 wt.% Solubility in water..... Not soluble in water. Auto Ignition Temperature (°C)......Aerosol Flame Projection..... 460°C (860°F). (Isobutane). N/A. Lower Flammable Limit (% Vol)..... Upper Flammable Limit (% Vol)..... 1.8. (Isobutane). 8.8. (Isobutane). Coefficient of Water/Oil Distribution...... N/A N/A Viscosity.....

#### **SECTION 10: STABILITY AND REACTIVITY**

### **SECTION 11: TOXICOLOGICAL INFORMATION**

**INGREDIENTS** LD50 LC50 Isobutane 658 mg/L (Rat - 4hrs) Not available Propane 658 mg/L (Rat - 4hrs) Not available Information on Likely Routes of Exposure: Prolonged inhalation may be harmful. Contact with liquid may cause frostbite. Nο Routes of entry - Skin Absorption...... Symptoms Related to the Physical, Chemical and Toxicological Characteristics Acute Toxicity..... Inhalation: Vapors have a narcotic effect and may cause headache, fatique, dizziness and nausea. Prolong inhalation may be harmful. Skin Corrosion/Irritation..... N/A. Serious Eye Damage/Eye Irritation..... N/A. Respiratory or Skin Sensitization..... N/A. Germ Cell Mutagenicity..... No data available to indicate product or any components present at greater than 0.1% are mutagenic. Carcinogenicity.....Reproductive Toxicity..... None of the ingredients are listed as possibly carcinogenic to humans by IARC or ACGIH. No information is available. STOT - Single Exposure..... Not classified. STOT - Repeated Exposure..... Not classified. Aspiration Hazard..... Not classified. Chronic Effects..... May cause damage to the Central Nervous System through prolonged or repeated exposure. Symptoms of overexposure are dizziness, headache, tiredness, nausea,

# **SECTION 12: ECOLOGICAL INFORMATION**

unconsciousness.

PRODUCT NAME: REPLA 134 REFRIGERANT - 170 G (6 OZ.)

ISSUE DATE: 08-27-2019

AR4231

(AR4238 + AR4247)

CODE: FM-AR4247

### PRODUCT: Repla 134 Refrigerant - 170 g (6 oz.)

### SECTION 13: DISPOSAL CONSIDERATIONS

Appropriate Disposal Methods..... This material and its container must be disposed of as hazardous waste. Avoid release to the environment. Spilled material and water rinses are classified as chemical waste and

must be disposed of in accordance with current local, provincial and federal regulations. Contents under pressure. Do not puncture, incinerate or expose to heat, even when empty.

CODE: FM-AR4247

#### **SECTION 14: TRANSPORT INFORMATION**

TDG (Canada- Road)..... UN1950, AEROSOLS, Class 2.1. IMDG (International- Marine)..... UN1950, AEROSOLS, Class 2.1.

IATA (International- Air).....

UN1950, AEROSOLS, Class 2.1, LTD QTY. UN1950, AEROSOLS, Class 2.1, LTD QTY, Consumer Commodity ORM-D. DOT (US-Road).....

#### **SECTION 15: REGULATORY INFORMATION**

WHMIS Classification. A: Compressed gas. B5: Flammable aerosol. All ingredients listed appear on the Domestic Substances List (DSL). Canada Regulations:.....Canadian Environmental Protection Act ...

**US** Regulations

TSCA Inventory Status.....

OSHA.....

California Proposition 65.....

All components are listed on TSCA . This product is considered hazardous under the Federal OSHA hazard communication

standard.

This product does not contain any chemical(s) known to the state of California to cause

cancer or reproductivity toxicity.

# **SECTION 16: OTHER INFORMATION**

The information contained herein is based on data considered accurate. No guarantee or warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. The SDS provider assumes no responsibility for personal injury or

property damage to vendors or users or third parties, caused by the material. Such vendors or users assume all risks with the use of the material. This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all the information

required by the CPR. .

ACGIH: American Conference of Governmental Industrial Hygienists; CAS: Chemical Abbreviations.....

Abstract Service: NIOSH: National Institute for Occupational Safety and Health, OSHA: Occupational Safety and Health Administration- USA; TSCA: Toxic Substances Control Act 1976-USA; PEL: Permissible Exposure Limit; REL: Recommended Exposure Limit; TLV: Threshold Limit Value; VOC: Volatile Organic Content; WHMIS: Workplace Hazardous

Materials Information System STOT: Specific Target Organ Toxicity.

Prepared by ..... Regulatory Affairs

AUG 27/2019 Latest Revision .....