

SECTION 1. IDENTIFICATION

Product identifier used on the label

: **DODGE INSTRUMENT CLEANER**

Product Code(s) : None reported.

Recommended use of the chemical and restrictions on use

: Embalming instrument cleaner.
No restrictions on use known.

Chemical family : Mixture

Name, address, and telephone number of the supplier:

The Dodge Chemical Company (Canada) Ltd.

1265 Fewster Drive
Mississauga, Ontario, Canada
L4W 1A2

Supplier's Telephone # : (905) 625-0311

24 Hr. Emergency Tel # : (613) 996-6666 (CANUTEC)

Name, address, and telephone number of the manufacturer:

Refer to supplier

SECTION 2. HAZARDS IDENTIFICATION

Classification of the chemical

Clear amber liquid. Mild, soapy odour.

Most important hazards:

Highly flammable liquid and vapour. May be ignited by open flames and sparks. May cause severe irritation or burns to the eyes, skin, gastrointestinal tract, and respiratory system. May produce an allergic reaction. Inhalation may cause central nervous system depression. May cause cancer. Occupational exposure to the substance or mixture may cause adverse effects. For further information, please refer to section 11 of the SDS.

Very toxic to aquatic life with long lasting effects. Avoid release to the environment. See Section 12 for more environmental information.

This material is classified as hazardous under Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015).

Hazardous classification:

- Flammable liquid - Category 2
- Skin corrosion/irritation - Category 1
- Eye damage/irritation - Category 1
- Skin sensitization - Category 1
- Carcinogenicity - Category 1
- Specific target organ toxicity, single exposure - Category 3 (Respiratory irritation; Narcotic effects)

Label elements

Hazard pictogram(s)



Signal Word

DANGER!

Hazard statement(s)

- Highly flammable liquid and vapor.
- Causes severe skin burns and eye damage.
- May cause an allergic skin reaction.
- May cause respiratory irritation.
- May cause drowsiness or dizziness.
- May cause cancer.



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Precautionary statement(s)

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.
Keep container tightly closed.
Ground/Bond container and receiving equipment.
Use explosion-proof electrical and ventilating equipment. Use only non-sparking tools.
Take precautionary measures against static discharge.
Do not breathe dust or mist.
Wash hands and face thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/clothing and eye/face protection.
Immediately call a POISON CENTER or doctor/physician.
If swallowed: Rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before re-use.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Store in a well-ventilated place. Keep container tightly closed.
Keep cool.
Store locked up.

Dispose of contents/container in accordance with local regulation.

Other hazards

Other hazards which do not result in classification:

Toxic fumes may be released during a fire. May cause severe irritation and corrosive damage in the mouth, throat and stomach. Prolonged overexposure may cause slight liver and kidney effects, such as increased organ weights. Ingestion of large amounts of nitrites may affect oxygen transport in the blood and blood system, causing methemoglobinemia.

Environmental precautions:

Very toxic to aquatic life with long lasting effects. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Avoid release to the environment. See ECOLOGICAL INFORMATION, Section 12.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical name</u>	<u>Common name and synonyms</u>	<u>CAS #</u>	<u>Concentration (% by weight)</u>
Isopropanol	Isopropyl alcohol 2-Propanol	67-63-0	22.5%
Alkyl dimethyl benzyl ammonium chloride	Benzyl-C12-18-alkyldimethylammonium chloride	68391-01-5	4.5 - 4.6%
Sodium nitrite	Nitrous acid sodium salt	7632-00-0	2.6%
Formaldehyde	Methanal Methyl Aldehyde Methylene oxide	50-00-0	0.9%
5-Chloro-2-(2,4-dichlorophenoxy)phenol	2,4,4'-Trichloro-2'-hydroxydiphenyl ether	3380-34-5	0.29%

SECTION 4. FIRST-AID MEASURES**Description of first aid measures**

- Ingestion* : If swallowed: Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Immediately call a POISON CENTER or doctor/physician.
- Inhalation* : If inhaled: Remove person to fresh air and keep comfortable for breathing. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen by qualified medical personnel only. Immediately call a POISON CENTER or doctor/physician.



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Skin contact

: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before re-use. Immediately call a POISON CENTER or doctor/physician.

Eye contact

: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Flush eyes with water for at least 20 minutes. Immediately call a POISON CENTER or doctor/physician.

Most important symptoms and effects, both acute and delayed

: Direct skin contact may cause corrosive skin burns, deep ulcerations and possibly permanent scarring.
Causes serious eye damage. Symptoms may include severe pain, blurred vision, redness and corrosive damage.
May cause severe skin sensitization with allergic contact dermatitis symptoms such as swelling, rash and eczema.
May cause respiratory irritation. Symptoms may include coughing, choking and wheezing. Inhaling high concentrations may cause central nervous system depression, with effects ranging from dizziness and headache to unconsciousness.
May cause cancer. Symptoms may include persistent coughing, shortness of breath, coughing up blood and wheezing.
May cause severe irritation and corrosive damage in the mouth, throat and stomach. Prolonged overexposure may cause slight liver and kidney effects, such as increased organ weights.
Ingestion of large amounts of nitrites may affect oxygen transport in the blood and blood system, causing methemoglobinemia. Symptoms of poisoning may include cyanosis (bluish discoloration of the skin), nausea, dizziness, rapid heartbeat and irregular breathing.

Indication of any immediate medical attention and special treatment needed

: Immediate medical attention is required. Corrosive liquid.
Provide general supportive measures and treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media : Dry chemical, foam, carbon dioxide and water fog

Unsuitable extinguishing media: Water may be ineffective because it may not cool product below the flashpoint

Special hazards arising from the substance or mixture / Conditions of flammability

: Highly flammable liquid and vapor. Will ignite when exposed to heat, flame and other sources of ignition. Vapours are heavier than air and collect in confined and low-lying areas. Closed containers may rupture if exposed to excess heat or flame due to a build-up of internal pressure.

Hazardous combustion products

: Carbon oxides; formaldehyde; Nitrogen oxides (NOx); Alcohol; Hydrogen chloride gas; Ammonia; Other unidentified organic compounds.

Special protective equipment and precautions for firefighters

: *Protective equipment for fire-fighters* Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode. Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

: *Special fire-fighting procedures* Move containers from fire area if safe to do so. Water spray may be useful in cooling equipment exposed to heat and flame. Do not allow run-off from fire fighting to enter drains or water courses. Dike for water control.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

: All persons dealing with the clean-up should wear the appropriate chemically protective equipment. Keep all other personnel upwind and away from the spill/release. Restrict access to area until completion of clean-up. Refer to protective measures listed in sections 7 and 8.

Environmental precautions

: Ensure spilled product does not enter drains, sewers, waterways, or confined spaces. Avoid release to the environment.



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Methods and material for containment and cleaning up

- : Ventilate the area. Prevent further leakage or spillage if safe to do so. Eliminate all ignition sources. Use only non-sparking tools and equipment in the clean-up process. Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand). Pick up and transfer to properly labeled containers. Do not use combustible absorbents, such as sawdust. Refer to Section 13 for disposal of contaminated material. Contact the proper local authorities.

SECTION 7. HANDLING AND STORAGE**Precautions for safe handling**

- : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.
Persons with recurrent skin eczema or sensitization problems should be excluded from working with this product. Once a person is sensitized, no further exposure to the material that caused the sensitization should be permitted.
Use only outdoors or in a well-ventilated area. Wear protective equipment during handling. Wear protective gloves/clothing and eye/face protection. Do not breathe dust, fume or vapor. Avoid contact with skin, eyes and clothing. Keep away from heat, sparks and open flame. - No smoking. Ground/Bond container and receiving equipment. Use explosion-proof electrical and ventilating equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Keep away from incompatibles. Keep container tightly closed when not in use. Wash thoroughly after handling. Empty containers retain residue (liquid and/or vapour) and can be dangerous. Contaminated work clothing should not be allowed out of the workplace.

Conditions for safe storage

- : Store in a cool, dry, well-ventilated area. Store away from incompatibles and out of direct sunlight. Store locked up. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Inspect periodically for damage or leaks.

Incompatible materials

- : Oxidizing agents; Acids; Bases; Alkali metals; Anionic surfactants

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Exposure Limits:**

<u>Chemical Name</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>	
	<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
Isopropanol	200 ppm	400 ppm	400 ppm (980 mg/m ³)	N/Av
Alkyl dimethyl benzyl ammonium chloride	N/Av	N/Av	N/Av	N/Av
Sodium nitrite	N/Av	N/Av	N/Av	N/Av
Formaldehyde	0.3 ppm (Ceiling)	N/Av	0.75 ppm	2 ppm
5-Chloro-2-(2,4-dichlorophenoxy)phenol	N/Av	N/Av	N/Av	N/Av

Exposure controls**Ventilation and engineering measures****Respiratory protection**

- : If airborne concentrations are above the permissible exposure limit or are not known, use NIOSH-approved respirators. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with CSA Z94.4-02.

Skin protection

- : Wear protective gloves/clothing. The suitability for a specific workplace should be discussed with the producers of the protective gloves. Wear resistant clothing and boots.

Eye / face protection

fitting safety goggles.

- : Wear eye/face protection. Wear as appropriate: Safety glasses with side shields; Tightly



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Other protective equipment : An eyewash station and safety shower should be made available in the immediate working area. Other equipment may be required depending on workplace standards.

General hygiene considerations : Do not breathe dust, fume or vapor. Avoid contact with skin, eyes and clothing. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities. Remove soiled clothing and wash it thoroughly before reuse. Contaminated work clothing should not be allowed out of the workplace. Handle in accordance with good industrial hygiene and safety practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Clear amber liquid.
Odour : Mild, soapy odour.
Odour threshold : N/Ap
pH : 7.5 - 9.0
Melting/Freezing point : N/Av
Initial boiling point and boiling range : 84 - 86°C (183 - 187°F)
Flash point : 18 - 21°C (65 - 69°F)
Flashpoint (Method) : Tag closed cup
Evaporation rate (BuAe = 1) : > 1 (butyl acetate = 1)
Flammability (solid, gas) : Not applicable.
Lower flammable limit (% by vol.) : 2.5% (Isopropanol)
Upper flammable limit (% by vol.) : 12.0% (Isopropanol)
Oxidizing properties : None known.
Explosive properties : Not explosive
Vapour pressure : N/Av
Vapour density : > 1 (Air = 1)
Relative density / Specific gravity : 1.015 - 1.027
Solubility in water : Complete
Other solubility(ies) : N/Av
Partition coefficient: n-octanol/water or Coefficient of water/oil distribution : N/Av
Auto-ignition temperature : N/Av
Decomposition temperature : N/Av
Viscosity : 0.7 cSt
Volatiles (% by weight) : 91%
Volatile organic Compounds (VOC's) : N/Av
Absolute pressure of container : N/Ap
Flame projection length : N/Ap
Other physical/chemical comments : No additional information.

SECTION 10. STABILITY AND REACTIVITY

Reactivity : Not normally reactive.
Chemical stability : Stable under normal conditions.
Possibility of hazardous reactions : Hazardous polymerization does not occur.
Conditions to avoid : Ensure adequate ventilation, especially in confined areas. Avoid contact with incompatible materials. Avoid heat and open flame.
Incompatible materials : Oxidizing agents; Acids; Bases; Alkali metals; Anionic surfactants



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Hazardous decomposition products : None known, refer to hazardous combustion products in Section 5.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Routes of entry inhalation : YES

Routes of entry skin & eye : YES

Routes of entry Ingestion : YES

Routes of exposure skin absorption : YES

Potential Health Effects:**Signs and symptoms of short-term (acute) exposure***Sign and symptoms Inhalation*

: May cause respiratory irritation. Symptoms may include coughing, choking and wheezing. Inhalation may cause headache, nausea and central nervous effects such as dizziness, coordination difficulties and unconsciousness.

Sign and symptoms ingestion

: May cause severe irritation and corrosive damage in the mouth, throat and stomach. Symptoms may include abdominal pain, vomiting, burns, perforations and bleeding.

Sign and symptoms skin

: Direct skin contact may cause corrosive skin burns, deep ulcerations and possibly permanent scarring.

Sign and symptoms eyes

: Causes serious eye damage. Symptoms may include severe pain, blurred vision, redness and corrosive damage.

Potential Chronic Health Effects

: Prolonged overexposure may cause slight liver and kidney effects, such as increased organ weights. Ingestion of large amounts of nitrites or nitrates may affect oxygen transport in the blood and blood system, causing methemoglobinemia. Symptoms of poisoning may include cyanosis (bluish discoloration of the skin), nausea, dizziness, rapid heartbeat and irregular breathing.

Mutagenicity

: Not classifiable as a mutagen. Contains: Formaldehyde. Formaldehyde may cause mutations to non-reproductive (somatic) cells, based on animal data. However, the concentration in this mixture is below the concentration cutoff required for classification.

Carcinogenicity

: This material is classified as hazardous under Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015). Hazardous classification: Carcinogenicity - Category 1. May cause cancer. Contains formaldehyde. Formaldehyde is classified as carcinogenic by IARC (Group 1), ACGIH (Group A2) and NTP (Group 2).

Reproductive effects & Teratogenicity

: This product is not expected to cause reproductive or developmental effects.

Sensitization to material

: This material is classified as hazardous under Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015). Hazardous classification: Skin sensitization - Category 1. May cause an allergic skin reaction. May cause severe skin sensitization with allergic contact dermatitis symptoms such as swelling, rash and eczema. No data available to indicate product or components may be respiratory sensitizers.

Specific target organ effects : This material is classified as hazardous under Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015). Classification:

Specific target organ toxicity, single exposure - Category 3. May cause respiratory irritation. May cause drowsiness or dizziness.

Medical conditions aggravated by overexposure

: Pre-existing skin, eye and respiratory disorders.

Synergistic materials

: No information available.

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Toxicological data

: Not classified for acute toxicity based on available data. The calculated ATE values for this mixture are:

- ATE oral = 4054 mg/kg
- ATE dermal = 19,931 mg/kg
- ATE inhalation (vapours) = 69.5 mg/L/4H
- ATE inhalation (dust/mist) = 95 mg/L/4H

See below for individual ingredient acute toxicity data.

<u>Chemical name</u>	<u>LC₅₀(4hr)</u> <u>inh, rat</u>	<u>LD₅₀</u>	
		<u>(Oral, rat)</u>	<u>(Rabbit, dermal)</u>
Isopropanol	17 000 ppm (41.8 mg/L) (vapour)	4720 mg/kg	12 890 mg/kg
Alkyl dimethyl benzyl ammonium chloride	N/Av	850 mg/kg	2300 mg/kg
Sodium nitrite	5.5 mg/L (dust)	180 mg/kg	N/Av
Formaldehyde	287 ppm	800 mg/kg (rat) The estimated human lethal dose is: 317 - 475 mg/kg	300 mg/kg
5-Chloro-2-(2,4-dichlorophenoxy)phenol	> 0.15, < 1.3 mg/L (aerosol)	> 5000 mg/kg	9300 mg/kg

Other important toxicological hazards

: None known or reported by the manufacturer.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

: Very toxic to aquatic life with long lasting effects. No data is available on the product itself. The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters. The product contains the following substances which are hazardous for the environment: Alkyl-dimethyl-benzyl-ammonium chloride; Sodium nitrite; 5-Chloro-2-(2,4-dichlorophenoxy)phenol.

See the following tables for individual ingredient ecotoxicity data.

Ecotoxicity data:

<u>Ingredients</u>	<u>CAS No</u>	<u>Toxicity to Fish</u>		
		<u>LC50 / 96h</u>	<u>NOEC / 21 day</u>	<u>M Factor</u>
Isopropanol	67-63-0	9640 mg/L (Fathead minnow)	N/Av	None.
Alkyl dimethyl benzyl ammonium chloride	68391-01-5	0.52 mg/L (Modelled estimate)	N/Av	1
Sodium nitrite	7632-00-0	0.54 mg/L (Rainbow trout)	N/Av	1
Formaldehyde	50-00-0	6.7 mg/L (Striped bass)	≥ 48 mg/L/28-day (Japanese ricefish)	None.
5-Chloro-2-(2,4-dichlorophenoxy)phenol	3380-34-5	0.26 mg/L (Fathead minnow)	N/Av	1

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<u>Ingredients</u>	CAS No	Toxicity to Daphnia		
		EC50 / 48h	NOEC / 21 day	M Factor
Isopropanol	67-63-0	> 10 000 mg/L/24hr (Daphnia magna)	N/Av	None.
Alkyl dimethyl benzyl ammonium chloride	68391-01-5	0.47 mg/L (Daphnia magna) (Modelled estimate)	N/Av	1
Sodium nitrite	7632-00-0	15.4 mg/L (Daphnia magna)	N/Av	None.
Formaldehyde	50-00-0	5.8 mg/L (Daphnia magna)	N/Av	None.
5-Chloro-2-(2,4-dichlorophenoxy)phenol	3380-34-5	0.13 mg/L (Ceriodaphnia dubia)	0.132 mg/L	1

<u>Ingredients</u>	CAS No	Toxicity to Algae		
		EC50 / 96h or 72h	NOEC / 96h or 72h	M Factor
Isopropanol	67-63-0	N/Av	N/Av	None.
Alkyl dimethyl benzyl ammonium chloride	68391-01-5	0.87 mg/L/96hr (Green algae) (Modelled estimate)	N/Av	1
Sodium nitrite	7632-00-0	≥ 100 mg/L/72hr (Green algae)	100 mg/L/72hr	None.
Formaldehyde	50-00-0	14.7 mg/L/24hr (Green algae)	N/Av	None.
5-Chloro-2-(2,4-dichlorophenoxy)phenol	3380-34-5	0.0028 mg/L/72hr (Green algae)	0.0005 mg/L/72hr	100

Persistence and degradability

: No data is available on the product itself.
 The following ingredients are considered to be readily biodegradable: Isopropanol; Alkyl-dimethyl-benzyl-ammonium chloride; sodium nitrite; Formaldehyde.
 Contains the following chemicals which are not readily biodegradable:
 5-Chloro-2-(2,4-dichlorophenoxy)phenol.

Bioaccumulation potential

: No data is available on the product itself. See the following data for ingredient information.

<u>Components</u>	<u>Partition coefficient n-octanol/water (log Kow)</u>	<u>Bioconcentration factor (BCF)</u>
Isopropanol (CAS 67-63-0)	0.05	1.0
Alkyl dimethyl benzyl ammonium chloride (CAS 68391-01-5)	0.9 - 1.8	N/Av
Sodium nitrite (CAS 7632-00-0)	- 3.7	3.162 (estimated)
Formaldehyde (CAS 50-00-0)	0.35	3.0
5-Chloro-2-(2,4-dichlorophenoxy)phenol (CAS 3380-34-5)	4.76	2.7 - 90 (Orange-red killifish)

Mobility in soil

: No data is available on the product itself.

Other Adverse Environmental effects

: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.




SECTION 13. DISPOSAL CONSIDERATIONS

Handling for Disposal

: Handle waste according to recommendations in Section 7. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

: Dispose in accordance with all applicable federal, state, provincial and local regulations.

SECTION 14. TRANSPORTATION INFORMATION

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
TDG	UN1993	FLAMMABLE LIQUID, N.O.S. (Isopropanol	3	II	
TDG Additional information	May be shipped as LIMITED QUANTITY when transported in containers no larger than 1.0 Litre, in packages not exceeding 30 kg gross mass. Under the TDGR, refer to Section 1.17 for additional exemption information, if shipping under this exemption.				
IMDG	UN1993	FLAMMABLE LIQUID, N.O.S. (Isopropanol)	3	II	
IMDG Additional information	May be shipped as LIMITED QUANTITY when transported in containers no larger than 1.0 Litre, in packages not exceeding 30 kg gross mass.				
ICAO/IATA	UN1993	Flammable liquid, n.o.s. (Isopropanol)	3	II	
ICAO/IATA Additional information	Refer to the appropriate Packing Instruction, prior to shipping this material. Review all State and Operator Variations, prior to shipping this material.				

Special precautions for user : Appropriate advice on safety must accompany the package. Keep away from heat, sparks and open flame. - No smoking. Avoid release to the environment.

Environmental hazards : This product meets the criteria for an environmentally hazardous material according to the IMDG Code. See Section 12 for more environmental information.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
 : Not applicable.

SECTION 15 - REGULATORY INFORMATION

Canadian Information:

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).

Canadian National Pollutant Release Inventory (NPRI): This product contains the following substances listed on the NPRI: Isopropanol (Part 1, Group A Substance; Part 5: Individual Substances)
 Sodium nitrite (Part 1, Group A Substance)
 Formaldehyde (Part 1, Group A Substance; Part 5: Individual Substances)

WHMIS information: Refer to Section 2 for a WHMIS Classification for this product.

US Federal Information:

TSCA: All listed ingredients appear on the Toxic Substances Control Act (TSCA) inventory.

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International Information:

Components listed below are present on the following International Inventory list:

<u>Ingredients</u>	<u>CAS #</u>	<u>European EINECS</u>	<u>Australia AICS</u>	<u>Philippines PICCS</u>	<u>Japan ENCS</u>	<u>Korea KECI/KECL</u>	<u>China IECSC</u>	<u>NewZealand IOC</u>
Isopropanol	67-63-0	200-661-7	Present	Present	(2)-207	KE-29363	Present	HSR001180
Alkyl dimethyl benzyl ammonium chloride	68391-01-5	269-919-4	Present	Present	(3)-2694	KE-00775	Present	HSR003609
Sodium nitrite	7632-00-0	231-555-9	Present	Present	(1)-483	KE-31546	Present	HSR001286
Formaldehyde	50-00-0	200-001-8	Present	Present	(2)-482	KE-17074	Present	HSR001584, HSR001162, HSR001518, HSR001583 (dilution)
5-Chloro-2-(2,4-dichlorophenoxy)phenol	3380-34-5	222-182-2	Present	Present	(9)-381; (9)-922	KE-05588	Present	HSR003518

SECTION 16. OTHER INFORMATION

Legend

- : ACGIH: American Conference of Governmental Industrial Hygienists
- AICS: Australian Inventory of Chemical Substances
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Services
- ENCS: Existing and New Chemical Substances
- HSDB: Hazardous Substances Data Bank
- IARC: International Agency for Research on Cancer
- IATA: International Air Transport Association
- ICAO: International Civil Aviation Organisation
- IMDG: International Maritime Dangerous Goods
- Inh: Inhalation
- IOC: Inventory of Chemicals
- IUCLID: International Uniform Chemical Information Database
- KECI: Korean Existing Chemicals Inventory
- KECL: Korean Existing Chemicals List
- LC: Lethal Concentration
- LD: Lethal Dose
- MSHA: Mine Safety and Health Administration
- N/Av: Not Available
- N/Av: Not Available
- NFPA: National Fire Protection Association
- NIOSH: National Institute of Occupational Safety and Health
- NOEC: No observable effect concentration
- OECD: Organisation for Economic Co-operation and Development
- NTP: National Toxicology Program
- OSHA: Occupational Safety and Health Administration
- PEL: Permissible exposure limit
- PICCS: Philippine Inventory of Chemicals and Chemical Substances
- RTECS: Registry of Toxic Effects of Chemical Substances
- SDS: Safety Data Sheet
- STEL: Short Term Exposure Limit
- TDG: Canadian Transportation of Dangerous Goods Act & Regulations
- TLV: Threshold Limit Values
- TWA: Time Weighted Average
- TSCA: Toxic Substance Control Act
- WHMIS: Workplace Hazardous Materials Identification System



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References

- : 1. ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices for 2016.
- 2. International Agency for Research on Cancer Monographs, searched 2016.
- 3. Canadian Centre for Occupational Health and Safety, CCIInfoWeb databases, 201 (Chempendium, HSDB and RTECs).
- 4. Material Safety Data Sheets from manufacturer.
- 5. OECD - The Global Portal to Information on Chemical Substances - eChemPortal, 2016.

Preparation Date (mm/dd/yyyy)

: 06/01/2016

Other special considerations for handling

: Provide adequate information, instruction and training for operators.

<p>Prepared for: The Dodge Chemical Company (Canada) Ltd. 1265 Fewster Drive Mississauga, ON, Canada L4W 1A2 Telephone: (905) 625-0311 Direct all enquiries to: The Dodge Chemical Company (Canada) Ltd.</p>	
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Prepared by:

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