Material Name: DEOXIDINE® 605 ID: 234141

* * * Section 1 - Chemical Product and Company Identification * * *

Product Trade Name DEOXIDINE® 605 **Manufacturer Information**

Henkel Surface Technologies Henkel Corporation 32100 Stephenson Highway Madison Heights, MI 48071

Contact Phone: (248) 583-9300

Chemtrec Emergency # (800) 424-9300

* * * Section 2 - Composition / Information on Ingredients * * *

CAS#	Component	Percent
111-76-2	Ethylene glycol n-butyl ether	5-15
7664-38-2	Phosphoric acid	1-10

Component Related Regulatory Information

This product may be regulated, have exposure limits or other information identified as the following: Glycol ethers.

* * * Section 3 - Hazards Identification * * *

Emergency Overview:

DANGER -- CORROSIVE! COMBUSTIBLE! May cause severe irritation or burns to the eyes, skin, gastrointestinal tract, and respiratory system. A component in this product may be harmful or fatal if absorbed through the skin. Product contains a glycol ether which caused blood disorders in rabbits.

Eye Contact:

This product is severely irritating to the eyes and may cause irreversible damage including burns and blindness.

Skin Contact:

Corrosive to the skin. Contact with the skin or mucous membranes may cause severe irritation and burns.

Skin Absorption:

A component in this product may be absorbed through the skin in harmful amounts.

Ingestion:

This product may produce corrosive damage to the gastrointestinal tract if it is swallowed.

Inhalation:

This product is severely irritating to the respiratory system. Excessive inhalation of this material causes headache, dizziness, nausea and incoordination.

Medical Conditions Aggravated by Exposure:

Pre-existing eye, skin and respiratory disorders. Disorders of the blood.

* * * Section 4 - First Aid Measures * * *

Eye Contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Skin Contact:

For skin contact, flush with large amounts of water. If irritation persists, get medical attention.

Ingestion:

If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting. Give one to two glasses of water or milk. Never give anything by mouth to a victim who is unconscious or is having convulsions.

Inhalation:

If mist or vapor of this product is inhaled, remove person immediately to fresh air. Seek medical attention if symptoms develop or persist.

First Aid: Notes to Physician

Provide general supportive measures and treat symptomatically.

Material Name: DEOXIDINE® 605 ID: 234141

* * * Section 5 - Fire Fighting Measures * * *

Flash Point: 150°F (65.55 °C) Method Used: TCC Flammability Combustible

Upper Flammable Not determined Limit (UFL): Lower Flammable Not determined Limit (LFL):

Fire & Explosion Hazards:

Fire and explosion hazards are moderate when this product is exposed to heat or flame. Vapors are heavier than air and may travel along the ground to some distant source of ignition and flash back.

Decomposition Products:

Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Decomposition of this product may emit oxides of nitrogen.

Extinguishing Media:

Use any media suitable for the surrounding fires.

Fire-Fighting Instructions:

Firefighters should wear full protective clothing including self contained breathing apparatus.

* * * Section 6 - Accidental Release Measures * * *

Containment Procedures:

Stop the flow of material, if this is without risk. Wear appropriate protective equipment and clothing during cleanup. Eliminate sources of ignition.

Clean-Up Procedures:

Absorb spill with inert material. Shovel material into appropriate container for disposal. Dispose of collected material according to regulation.

* * * Section 7 - Handling and Storage * * *

Handling Procedures:

Do not get this material in your eyes, on your skin, or on your clothing. Do not inhale vapors or mists of this product. Use this product with adequate ventilation. Wash thoroughly after handling. For industrial use only. Do not take internally. Keep this product from heat, sparks, or open flame. Use caution when combining with water; DO NOT add water to acid, ALWAYS add acid to water while stirring to prevent release of heat, steam and fumes.

Storage Procedures:

Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials. Do not pressurize, cut, heat or weld containers. Empty product containers may contain product residue. Do not reuse empty containers.

* * * Section 8 - Exposure Controls / Personal Protection * * *

Exposure Guidelines:

A: General Product Information

Follow all applicable exposure limits.

B: Component Exposure Limits

Ethylene glycol n-butyl ether (111-76-2)

ACGIH: 25 ppm TWA; 121 mg/m3 TWA

skin - potential for cutaneous absorption

OSHA: 25 ppm TWA; 120 mg/m3 TWA

Prevent or reduce skin absorption

NIOSH: 5 ppm TWA; 24 mg/m3 TWA

Potential for dermal absorption

Material Name: DEOXIDINE® 605 ID: 234141

Phosphoric acid (7664-38-2)

ACGIH: 1 mg/m3 TWA 3 mg/m3 STEL OSHA: 1 mg/m3 TWA 3 mg/m3 STEL NIOSH: 1 mg/m3 TWA 3 mg/m3 STEL

Engineering Controls:

Ventilation should effectively remove and prevent buildup of any vapor or mist generated from the handling of this product.

PERSONAL PROTECTIVE EQUIPMENT

As prescribed in the OSHA Standard for Personal Protective Equipment (29 CFR 1910.132), employers must perform a Hazard Assessment of all workplaces to determine the need for, and selection of, proper protective equipment for each task performed.

Eyes/Face Protective Equipment:

Wear chemical goggles; face shield (if splashing is possible).

Skin Protection:

Use impervious gloves. Gloves should be tested to determine suitability for prolonged contact. Use of impervious apron and boots are recommended.

Respiratory Protection:

If ventilation is not sufficient to effectively prevent buildup of aerosols or vapors, appropriate NIOSH/MSHA respiratory protection must be provided.

Work Practices:

Eyewash fountains and emergency showers are required.

* * * Section 9 - Physical & Chemical Properties * * *

Physical State:LiquidAppearance:ColorlessOdor:SweetVapor Pressure:Not determinedVapor Density:Not determinedBoiling Point:>212 °F (>100 °C)

Specific Gravity: 1.0-1.1 pH: <2
Viscosity: Not determined VOC: 10.5%

Solubility Water:CompleteEvaporation Rate:Not determinedPercent Volatile:Not determinedPercent Solids:Not applicable

* * * Section 10 - Chemical Stability & Reactivity Information * * *

Chemical Stability:

Stable under normal conditions.

Conditions to Avoid:

Avoid excessive heat and ignition sources.

Incompatibility:

This product may react with strong oxidizing agents. Do not mix with nitrites. Adding water to this product may cause localized overheating and splattering.

Decomposition Products:

Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

Hazardous Polymerization:

Will not occur.

Material Name: DEOXIDINE® 605 ID: 234141

* * * Section 11 - Toxicological Information * * *

Acute Toxicity:

A: General Product Information

No information available for the product.

B: Component Analysis - LD50/LC50

Ethylene glycol n-butyl ether (111-76-2)

Inhalation LC50 Rat : 450 ppm/4H Inhalation LC50 Mouse : 700 ppm/7H

Oral LD50 Rat : 470 mg/kg Oral LD50 Mouse : 1230 mg/kg Dermal LD50 Rabbit : 220 mg/kg

Phosphoric acid (7664-38-2)

Inhalation LC50 Rat: >850 mg/m3/1H

Oral LD50 Rat : 1530 mg/kg Dermal LD50 Rabbit : 2740 mg/kg

Carcinogenicity:

A: General Product Information

No information available for the product.

B: Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

Chronic Toxicity

No information available for the product.

Ethylene glycol n-butyl ether is a glycol ether which may result in CNS depression characterized by headache, drowsiness, weakness, slurred speech, stuttering, loss of coordination and judgement, tremor, blurred vision, personality changes, and albuminuria. Glycol ethers may also result in liver or kidney damage, and hemolytic effects.

Epidemiology:

No information available for the product.

Neurotoxicity:

No information available for the product.

Mutagenicity:

No information available for the product.

Teratogenicity:

No information available for the product.

Other Toxicological Information:

None available.

* * * Section 12 - Ecological Information * * *

Ecotoxicity:

A: General Product Information

No data available for this product.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

Ethylene glycol n-butyl ether (111-76-2)

Test & Species Conditions
LC50 (96 hr) bluegill 1490 mg/L. Static, 23 °C.

LC50 (24 hr) goldfish

LC50 (24 hr) water 1720 mg/L.

1650-1700 mg/L.

flea

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Material Name: DEOXIDINE® 605 ID: 234141

Phosphoric acid (7664-38-2) **Test & Species**

Conditions

LC50 (96 hr) mosquito fish 138 mg/L.

Environmental Fate:

No data available for this product.

Section 13 - Disposal Considerations

US EPA Waste Numbers & Descriptions:

A: General Product Information

This product, if discarded directly, would be a characteristic RCRA corrosive waste (D002). This product, if discarded, may be characterized as a RCRA ignitable waste, D001.

B: Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions:

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations. Neutralize the spilled material before disposal.

* * * Section 14 - Transportation Information

US DOT Information

Shipping Name: Please refer to the container label for transportation information.

Section 15 - Regulatory Information

US Federal Regulations

A: General Product Information

This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

B: Component Analysis

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4).

Ethylene glycol n-butyl ether (111-76-2)

form R reporting required for 1.0% de minimis concentration (applies to R-(OCH2CH2)n-OR' SARA 313: ethers, where n = 1,2, or 3'; R=alkyl C7 or less or R = phenyl or alkyl subst. phenyl; R' = H or alkyl C7 or less, or OR' consisting of carboxylic acid ester, sulfate, phosphate, nitrate, or

sulfonate) (related to Glycol ethers)

(Includes mono- and di- ethers of ethylene glycol; diethylene glycol and triethylene glycol R-CERCLA: (OCH2CH2)n-OR' where n = 1 2 or 3; R = alkyl or aryl groups; R' = R h or groups which when removed yield glycol ethers with the structure R-(OCH2CH2)n-OH. Polymers are excluded from glycol category); Statutory RQ = 1 pound (.454 kg); no final RQ is being assigned to the generic or broad class (related to Glycol ethers)

Phosphoric acid (7664-38-2)

SARA 313: form R reporting required for 1.0% de minimis concentration

CERCLA: final RQ = 5000 pounds (2270 kg)

SARA 311/312: Acute: Yes Chronic: Yes Fire: Yes Pressure: No Reactive: Yes

State Regulations

A: General Product Information

No additional information available.

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Material Name: DEOXIDINE® 605 ID: 234141

B: Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS#	CA	FL	MA	MN	NJ	PA
Ethylene glycol n-butyl ether	111-76-2	Yes	Yes	Yes	Yes	Yes	Yes
Phosphoric acid	7664-38-2	Yes	Yes	Yes	Yes	Yes	Yes

Other Regulations

A: General Product Information

All components are on the U.S. EPA TSCA Inventory List.

B: Component Analysis - InventoryComponent Analysis - Inventory

Component	CAS#	TSCA	DSL	EINECS
Ethylene glycol n-butyl ether	111-76-2	Yes	Yes	Yes
Phosphoric acid	7664-38-2	Yes	Yes	Yes

C: Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

Component	CAS#	Minimum Concentration
Ethylene glycol n-butyl ether	111-76-2	1% item 721 (824)
Phosphoric acid	7664-38-2	1% item 1291 (127)

* * * Section 16 - Other Information * * *

NFPA Ratings: Health: 3 Fire: 2 Reactivity: 1

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

HMIS Ratings: Health: 3* Fire: 2 Reactivity: 1

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

Key/Legend

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; NFPA = National Fire Protection Association; HMIS = Hazardous Material Identification System; CERCLA = Comprehensive Environmental Response, Compensation and Liability Act; SARA = Superfund Amendments and Reauthorization Act

The information presented herein is believed to be factual as it has been derived from the works and opinions of persons believed to be qualified experts; however, nothing contained in this information is to be taken as a warranty or representation for which Henkel Surface Technologies bears legal responsibility. The user should review any recommendations in the specific context of the intended use to determine whether they are appropriate.

Contact: Regulatory Affairs and Product Acceptance

Contact Phone: (248) 583-9300

This is the end of MSDS # 234141

Material Name: ALODINE® 1201 ID: 235110

* * * Section 1 - Chemical Product and Company Identification * * *

Product Trade Name ALODINE® 1201 Manufacturer Information

Henkel Surface Technologies Henkel Corporation 32100 Stephenson Highway Madison Heights, MI 48071

Contact Phone: (248) 583-9300

Chemtrec Emergency # (800) 424-9300

* * * Section 2 - Composition / Information on Ingredients * * *

CAS#	Component	Percent
7738-94-5	Chromic acid	<1
7664-39-3	Hydrofluoric Acid	<1
13746-66-2	Potassium ferricyanide	<1

Component Related Regulatory Information

This product may be regulated, have exposure limits or other information identified as the following: Fluorides (16984-48-8), Chromium (VI) compounds- water soluble, (RR-00026-0), (18540-29-9).

* * * Section 3 - Hazards Identification * * *

Emergency Overview:

DANGER -- CORROSIVE! Contact with this material will cause burns to the skin, eyes and mucous membranes. May cause blindness. Contact with broken skin may result in ulcers. Prolonged or repeated breathing may cause ulceration of nasal membranes. Following skin exposure to this product, the sensation of irritation or pain may be delayed. Cancer Hazard. Contains material which can cause cancer.

Eye Contact:

This product is severely irritating to the eyes and may cause irreversible damage including burns and blindness.

Skin Contact:

Contact with broken skin may lead to formation of firmly marginated "chrome sores". Product contains chromium, which may cause an allergic skin sensitization reaction. Massive overexposures may lead to kidney failure and death. Following skin exposure to this product, the sensation of irritation or pain may be delayed.

Skin Absorption:

A component in this product may be absorbed through the skin, especially if skin is damaged.

Ingestion:

This product may produce corrosive damage to the gastrointestinal tract if it is swallowed.

Inhalation:

Inhalation of mists of this product may cause severe irritation and burns to the respiratory tract.

Medical Conditions Aggravated by Exposure:

Pre-existing eye, skin and respiratory disorders.

* * * Section 4 - First Aid Measures * * *

Eve Contact:

In case of contact with the eyes, rinse immediately with plenty of water for 15 minutes, and seek immediate medical attention.

Skin Contact:

Immediately take off all contaminated clothing. Flush with large amounts of water. Soak the affected area for one hour in an iced solution (0.13%) of Zephiran chloride (30 cc of 17% concentrate per gallon of iced distilled water.) GET MEDICAL ATTENTION IMMEDIATELY.

Ingestion:

If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting. Give one to two glasses of water or milk. Never give anything by mouth to a victim who is unconscious or is having convulsions.

Material Name: ALODINE® 1201 ID: 235110

Inhalation:

If mist or vapor of this product is inhaled, remove person immediately to fresh air. Seek medical attention if symptoms develop or persist. If inhaled, immediately remove the affected person to fresh air.

First Aid: Notes to Physician

Ocular exposure to corrosive fluoride compounds has been treated with isotonic sodium chloride or magnesium chloride. Dermal exposure to corrosive fluoride compounds has been treated with calcium gluconate or calcium carbonate gel applied topically to the affected areas to relieve pain at the site of exposure. Treatment of hypocalcemia associated with corrosive fluoride compounds exposure may be corrected by intravenous calcium gluconate or calcium chloride. Treatment of hypomagnesemia may be corrected by intravenous magnesium sulfate.

* * * Section 5 - Fire Fighting Measures * * *

Flash Point: Not applicable Method Used: Not applicable Flammability Non-flammable

Classification:

 Upper Flammable
 Not applicable

 Lower Flammable
 Not applicable

Limit (UFL):

Fire & Explosion Hazards:

If evaporated to dryness, solid residue is an oxidizing agent and may cause spontaneous ignition of combustible materials.

Decomposition Products:

Irritating and toxic gases or fumes may be released during a fire.

Extinguishing Media:

Use any media suitable for the surrounding fires.

Fire-Fighting Instructions:

Firefighters should wear full protective clothing including self contained breathing apparatus.

* * * Section 6 - Accidental Release Measures * * *

Containment Procedures:

Stop the flow of material, if this is without risk. Wear appropriate protective equipment and clothing during cleanup.

Clean-Up Procedures:

Absorb spill with inert material. Shovel material into appropriate container for disposal. Dispose of collected material according to regulation.

* * * Section 7 - Handling and Storage * * *

Handling Procedures:

Do not get this material in your eyes, on your skin, or on your clothing. Do not inhale vapors or mists of this product. Wash thoroughly after handling. For industrial use only. Clothing or other material wet with this product and allowed to dry may become flammable.

Storage Procedures:

Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials.

Manufacturer recommends storing above 40 °F. Thaw and mix thoroughly if frozen.

* * * Section 8 - Exposure Controls / Personal Protection * * *

Exposure Guidelines:

A: General Product Information

Follow all applicable exposure limits.

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Material Name: ALODINE® 1201 ID: 235110

B: Component Exposure Limits

Hydrofluoric Acid (7664-39-3)

ACGIH: 3 ppm Ceiling (as F) OSHA: 3 ppm TWA

6 ppm STEL (as F)

NIOSH: 3 ppm TWA; 2.5 mg/m3 TWA

6 ppm Ceiling (15 min); 5 mg/m3 Ceiling (15 min)

Chromic acid (7738-94-5)

ACGIH: 0.05 mg/m3 TWA (as Cr) (related to Chromium (VI) compounds, water-soluble)

OSHA: 0.1 mg/m3 Ceiling (and chromates)

Engineering Controls:

Ventilation should effectively remove and prevent buildup of any vapor or mist generated from the handling of this product.

PERSONAL PROTECTIVE EQUIPMENT

As prescribed in the OSHA Standard for Personal Protective Equipment (29 CFR 1910.132), employers must perform a Hazard Assessment of all workplaces to determine the need for, and selection of, proper protective equipment for each task performed.

Eyes/Face Protective Equipment:

Eyewash fountains and emergency showers are required.

Skin Protection:

Use impervious gloves. Use of impervious apron and boots are recommended.

Respiratory Protection:

If ventilation is not sufficient to effectively prevent buildup of dust, appropriate NIOSH/MSHA respiratory protection must be provided.

Work Practices:

Eye wash fountain and emergency showers are recommended.

* * * Section 9 - Physical & Chemical Properties * * *

Physical State:LiquidAppearance:OrangeOdor:NoneVapor Pressure:Not applicableVapor Density:Not applicableBoiling Point:>212 ° F (100 ° C)

Specific Gravity: 1.0-1.1 pH: <2

Viscosity:Not applicableVOC:Not applicableSolubility Water:CompleteEvaporation Rate:Not determined

Percent Volatile: Not applicable Percent Solids: <2%

* * * Section 10 - Chemical Stability & Reactivity Information * * *

Chemical Stability:

Stable under normal conditions.

Conditions to Avoid:

None expected.

Incompatibility:

Avoid contact with organic materials, oils, greases, and any oxidizable materials. This product may react with strong alkalies.

Decomposition Products:

May liberate hydrogen fluoride. When heated to decomposition or on contact with strong acids potassium ferricyanide may emit fumes of cyanide.

Hazardous Polymerization:

Will not occur.

Material Name: ALODINE® 1201 ID: 235110

Section 11 - Toxicological Information

Acute Toxicity:

A: General Product Information

Industrial exposure to chromium may cause dermatitis, skin ulcers, perforation of the nasal septum, as well as cancers of the lungs, nasal cavity and paranasal sinuses.

B: Component Analysis - LD50/LC50

Potassium ferricyanide (13746-66-2)

Oral LD50 Mouse: 2970 mg/kg

Hydrofluoric Acid (7664-39-3)

Inhalation LC50 Rat: 1276 mg/kg/1H; Inhalation LC50 Mouse: 342 mg/kg/1H

Carcinogenicity:

A: General Product Information

No information available for the product.

B: Component Carcinogenicity

Hydrofluoric Acid (7664-39-3)

ACGIH: A4 - Not Classifiable as a Human Carcinogen (as F) (related to Fluorides)

Chromic acid (7738-94-5)

ACGIH: A1 - Confirmed Human Carcinogen (related to Chromium (VI) water soluble compounds)

Chronic Toxicity

Chromium III, the naturally occurring form, has low toxicity while chromium VI is highly toxic due to strong oxidation characteristics and permeability through biological membranes. Excessive exposure to chromium VI can produce allergic skin sensitization reactions and severe nasal irritation, scarring and damage to the lungs. liver and kidney damage.

Contains fluorides. Exposure to fluorides over years may cause fluorosis.

Epidemiology:

No information available for the product.

Neurotoxicity:

No information available for the product.

Mutagenicity:

No information available for the product.

Teratogenicity:

No information available for the product.

Other Toxicological Information:

None available.

Section 12 - Ecological Information

Ecotoxicity:

A: General Product Information

No data available for this product. **B:** Component Analysis - Ecotoxicity - Aquatic Toxicity No ecotoxicity data are available for this product's components. **Environmental Fate:** No data is available concerning the environmental fate, biodegradation or bioconcentration for this product. Page 4 of 7 Issue Date: 01/18/05 Revision: 1.0211

Material Name: ALODINE® 1201 ID: 235110

* * * Section 13 - Disposal Considerations * * *

US EPA Waste Numbers & Descriptions:

A: General Product Information

This product, if discarded directly, would be a characteristic RCRA corrosive waste (D002). This product contains chromium which is a hazardous waste (D007).

B: Component Waste Numbers

Hydrofluoric Acid (7664-39-3)

RCRA: waste number U134 (Corrosive waste, Toxic waste)

Disposal Instructions:

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations. Neutralize the spilled material before disposal.

* * * Section 14 - Transportation Information * * *

US DOT Information

Shipping Name: Please refer to the container label for transportation information.

Material Name: ALODINE® 1201 ID: 235110

14-TRN-01

* * * Section 15 - Regulatory Information * * *

US Federal Regulations

A: General Product Information

This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

B: Component Analysis

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4).

Hydrofluoric Acid (7664-39-3)

SARA 302: 100 lb TPQ

CERCLA: 100 lb final RQ; 45.4 kg final RQ

Chromic acid (7738-94-5)

CERCLA: 10 lb final RQ; 4.54 kg final RQ

SARA 311/312: Acute: Yes Chronic: Yes Fire: No Pressure: No Reactive: No

State Regulations

A: General Product Information

No additional information available.

B: Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS#	CA	FL	MA	MN	NJ	PA
Hydrofluoric Acid	7664-39-3	Yes	No	Yes	Yes	Yes	Yes
Chromic acid	7738-94-5	No	No	Yes	Yes	Yes	Yes

Other Regulations

A: General Product Information

All components are on the U.S. EPA TSCA Inventory List.

B: Component Analysis - Inventory

Component	CAS#	TSCA	DSL	EINECS
Potassium ferricyanide	13746-66-2	Yes	Yes	Yes
Hydrofluoric Acid	7664-39-3	Yes	Yes	Yes
Chromic acid	7738-94-5	Yes	Yes	Yes

C: Component Analysis - WHMIS IDL

No components are listed in the WHMIS IDL.

* * * Section 16 - Other Information * * *

NFPA Ratings: Health: 3 Fire: 0 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

HMIS Ratings: Health: 3* Fire: 0 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

Key/Legend

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; NFPA = National Fire Protection Association; HMIS = Hazardous Material Identification System; CERCLA = Comprehensive Environmental Response, Compensation and Liability Act; SARA = Superfund Amendments and Reauthorization Act

Material Name: ALODINE® 1201 ID: 235110

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Contact: Regulatory Affairs and Product Acceptance

Contact Phone: (248) 583-9300

This is the end of MSDS # 235110

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