

SAFETY DATA SHEET

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F34820 HYDRANAL-COULOMAT AK US X,500LK

000000020619

Version 1.0

Revision Date 09/22/2016

Print Date 07/03/2017

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : HYDRANAL™-Coulomat AK

Number : 000000020619

Product Use Description : Laboratory chemicals
Scientific research and development

Manufacturer or supplier's details : Honeywell International Inc.
1953 South Harvey Street
Muskegon, MI 49442

For more information call : 1-800-322-2766
+1-973-455-5268
(Monday-Friday, 9:00am-5:00pm)

In case of emergency call : **Medical: 1-800-498-5701 or +1-303-389-1414**
: **Transportation (CHEMTREC): 1-800-424-9300 or +1-703-527-3887**
:
: (24 hours/day, 7 days/week)

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

Form : liquid

Color : yellow

Odor : aromatic

Classification of the substance or mixture

Classification of the substance or mixture : Flammable liquids, Category 3
Acute toxicity, Category 4, Oral
Acute toxicity, Category 4, Inhalation
Skin irritation, Category 2
Serious eye damage, Category 1
Carcinogenicity, Category 2
Reproductive toxicity, Category 1B

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Specific target organ toxicity - single exposure, Category 1, Liver, Kidney, Central nervous system
Specific target organ toxicity - repeated exposure, Category 1, Liver, Kidney
Specific target organ toxicity - repeated exposure, Category 2, Blood

GHS Label elements, including precautionary statements

Symbol(s)

:



Signal word

: Danger

Hazard statements

: Flammable liquid and vapour.
Harmful if swallowed or if inhaled
Causes skin irritation.
Causes serious eye damage.
Suspected of causing cancer.
May damage fertility or the unborn child.
Causes damage to organs.
Causes damage to organs through prolonged or repeated exposure.

Precautionary statements

: **Prevention:**
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat/sparks/open flames/hot surfaces. No smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ ventilating/ lighting/ equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
Wash skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.

Response:

IF SWALLOWED: Call a POISON CENTER/doctor if you feel

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unwell.

IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a POISON CENTER/doctor.

Rinse mouth.

If skin irritation occurs: Get medical advice/ attention.

Take off contaminated clothing and wash before reuse.

In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

Storage:

Store in a well-ventilated place. Keep cool.

Store locked up.

Disposal:

Dispose of contents/ container to an approved waste disposal plant.

Carcinogenicity

NTP: Chloroform 67-66-3
Reasonably Anticipated to be a Human Carcinogen.

IARC: Chloroform 67-66-3
Group 2B: Possibly carcinogenic to humans

ACGIH: Chloroform 67-66-3
A3: Confirmed animal carcinogen

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Mixture

Chemical name	CAS-No.	Concentration
2-Methoxyethanol	109-86-4	>=30.00 - <50.00 %

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Chloroform	67-66-3	>=20.00 - <30.00 %
2,2,2-Trifluoroethanol	75-89-8	>=10.00 - <20.00 %
Imidazol hydrobromide	101023-55-6	>=5.00 - <10.00 %
1H-Imidazole monohydriodide	68007-08-9	>=1.00 - <5.00 %
Sulphur dioxide	7446-09-5	>=1.00 - <5.00 %
Imidazole	288-32-4	>=1.00 - <5.00 %

SECTION 4. FIRST AID MEASURES

General advice	: First aider needs to protect himself. Move out of dangerous area. Take off all contaminated clothing immediately.
Inhalation	: Move to fresh air. Keep patient warm and at rest. Call a physician immediately.
Skin contact	: Wash off immediately with plenty of water. If skin irritation persists, call a physician.
Eye contact	: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Protect unharmed eye.
Ingestion	: When swallowed, allow water to be drunk. Do NOT induce vomiting. Call a physician immediately.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	: Water spray Foam Carbon dioxide (CO2) Dry powder
Unsuitable extinguishing	: High volume water jet

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media

Specific hazards during firefighting : Fire may cause evolution of:
Sulphur oxides
Gaseous hydrogen chloride (HCl).

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Further information : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Ensure adequate ventilation.
Wear personal protective equipment. Unprotected persons must be kept away.
Evacuate personnel to safe areas.
Remove all sources of ignition.

Environmental precautions : Should not be released into the environment.

Methods for cleaning up : Soak up with inert absorbent material.
Pick for disposal in tightly closed containers

SECTION 7. HANDLING AND STORAGE

Handling

Handling : Exhaust ventilation at the object is necessary.

Advice on protection against fire and explosion : Keep away from sources of ignition - No smoking.
Take measures to prevent the build up of electrostatic charge.
Vapours may form explosive mixtures with air.

Storage

Requirements for storage areas and containers : Store in original container.
Keep containers tightly closed in a dry, cool and well-ventilated place.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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- Protective measures : Ensure that eyewash stations and safety showers are close to the workstation location.
Legal requirements are to be considered in regard of the selection, use and care of personal protective equipment.
Avoid exposure - obtain special instructions before use.
- Engineering measures : Use with local exhaust ventilation.
- Eye protection : Safety goggles
- Hand protection : Protective gloves
Gloves must be inspected prior to use.
Replace when worn.
- Skin and body protection : Protective suit
- Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.
- Hygiene measures : Take off all contaminated clothing immediately.
Remove and wash contaminated clothing before re-use.
Wash hands before breaks and at the end of workday.
When using do not eat or drink.

Exposure Guidelines

Components	CAS-No.	Value	Control parameters	Update	Basis
2-Methoxyethanol	109-86-4	TWA : Time weighted average	(0.1 ppm)	2008	ACGIH:US. ACGIH Threshold Limit Values
2-Methoxyethanol	109-86-4	SKIN_DES : Skin designation:	Can be absorbed through the skin.	2008	ACGIH:US. ACGIH Threshold Limit Values
2-Methoxyethanol	109-86-4	REL : Recommended exposure limit (REL):	0.3 mg/m3 (0.1 ppm)	2005	NIOSH/GUIDE:US. NIOSH: Pocket Guide to Chemical Hazards

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2-Methoxyethano l	109-86-4	SKIN_DE S : Skin designati on:	Can be absorbed through the skin.	2005	NIOSH/GUIDE:US. NIOSH: Pocket Guide to Chemical Hazards
2-Methoxyethano l	109-86-4	PEL : Permissi ble exposure limit	80 mg/m3 (25 ppm)	02 2006	OSHA_TRANS:US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)
2-Methoxyethano l	109-86-4	SKIN_DE S : Skin designati on:	Can be absorbed through the skin.	02 2006	OSHA_TRANS:US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)
2-Methoxyethano l	109-86-4	SKIN_FI NAL : Skin designati on (Final Rule Limit applies):	Can be absorbed through the skin.	1989	Z1A:US. OSHA Table Z-1-A (29 CFR 1910.1000)
2-Methoxyethano l	109-86-4	TWA : Time weighted average	80 mg/m3 (25 ppm)	1989	Z1A:US. OSHA Table Z-1-A (29 CFR 1910.1000)
Chloroform	67-66-3	TWA : Time weighted average	(10 ppm)	2008	ACGIH:US. ACGIH Threshold Limit Values
Chloroform	67-66-3	STEL : Short term exposure limit	9.78 mg/m3 (2 ppm)	2005	NIOSH/GUIDE:US. NIOSH: Pocket Guide to Chemical Hazards

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Chloroform	67-66-3	Ceiling : Ceiling Limit Value:	240 mg/m3 (50 ppm)	02 2006	OSHA_TRANS:US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)
Chloroform	67-66-3	TWA : Time weighted average	9.78 mg/m3 (2 ppm)	1989	Z1A:US. OSHA Table Z-1-A (29 CFR 1910.1000)
2,2,2-Trifluoroeth anol	75-89-8	TWA : Time weighted average	(0.3 ppm)	2007	WEEL:US. OARS. WEELs Workplace Environmental Exposure Level Guide
Sulphur dioxide	7446-09-5	STEL : Short term exposure limit	(0.25 ppm)	2009	ACGIH:US. ACGIH Threshold Limit Values
Sulphur dioxide	7446-09-5	STEL : Short term exposure limit	13 mg/m3 (5 ppm)	2005	NIOSH/GUIDE:US. NIOSH: Pocket Guide to Chemical Hazards
Sulphur dioxide	7446-09-5	REL : Recomm ended exposure limit (REL):	5 mg/m3 (2 ppm)	2005	NIOSH/GUIDE:US. NIOSH: Pocket Guide to Chemical Hazards
Sulphur dioxide	7446-09-5	PEL : Permissi ble exposure limit	13 mg/m3 (5 ppm)	02 2006	OSHA_TRANS:US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

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Sulphur dioxide	7446-09-5	STEL : Short term exposure limit	13 mg/m3 (5 ppm)	1989	Z1A:US. OSHA Table Z-1-A (29 CFR 1910.1000)
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Sulphur dioxide	7446-09-5	TWA : Time weighted average	5 mg/m3 (2 ppm)	1989	Z1A:US. OSHA Table Z-1-A (29 CFR 1910.1000)
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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state : liquid

Color : yellow

Odor : aromatic

pH : 5.0 at , 20 °C

Boiling point/boiling range : 60 °C at 1,013 hPa

Flash point : 90 °F (32 °C)

Lower explosion limit : 2.5 %(V)

Upper explosion limit : 20 %(V)

Density : 1.200 g/cm3 at 20 °C

Water solubility : Note: partly miscible

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Decomposition temperature : Note: No decomposition if used as directed.

SECTION 10. STABILITY AND REACTIVITY

Chemical stability : Stable under recommended storage conditions.

Possibility of hazardous reactions : Hazardous polymerisation does not occur.

Incompatible materials to avoid : Strong bases
Strong oxidizing agents
Strong acids
Magnesium
Acid anhydrides
Zinc

Hazardous decomposition products : Sulphur dioxide
Phosgene

SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : Note: no data available

Acute inhalation toxicity : Note: no data available

Acute dermal toxicity : Note: no data available

Skin irritation
2-Methoxyethanol : Species: Rabbit
Result: slight irritation
Method: Directive 67/548/EEC, Annex V, B.4.

Chloroform : Species: Rabbit
Result: Irritating to skin.

2,2,2-Trifluoroethanol : Species: Rabbit
Result: slight irritation

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	Method: OECD Test Guideline 404
Imidazole	: Species: Rabbit Result: Causes burns. Method: OECD Test Guideline 404
Eye irritation 2-Methoxyethanol	: Species: Rabbit Result: slight irritation Method: OECD Test Guideline 405
Chloroform	: Species: Rabbit Result: Moderate eye irritation Exposure time: 24 h
Imidazole	: Species: Rabbit Result: Risk of serious damage to eyes. Method: OECD Test Guideline 405
Sensitisation 2-Methoxyethanol	: Maximisation Test Species: Guinea pig Result: Did not cause sensitisation on laboratory animals.
2,2,2-Trifluoroethanol	: Mouse local lymph node assay Species: Mouse Result: Did not cause sensitisation on laboratory animals. Method: OECD Test Guideline 429
1H-Imidazole monohydriodide	: Mouse local lymph node assay Species: Mouse Result: Does not cause skin sensitisation. Method: OECD 429
Repeated dose toxicity Chloroform	: Species: Rat Application Route: Inhalation (50 ppm; 7 hours/day, 5 days/week for 6 months) Causes damage to the following organs: liver, kidneys. Species: Rat, male Application Route: Oral gavage bioassay Carcinogenicity (70 g/kg for 78 weeks) Kidney tumors

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Species: Mouse, both male and female
Application Route: Oral gavage bioassay
Carcinogenicity
(127 g/kg for 92 weeks)
Liver tumors

Species: Rat, male
Application Route: Drinking Water Study
Carcinogenicity
(160 mg/kg/d for 104 days)
Kidney tumors

Species: Rat
Application Route: Inhalation
Embryotoxicity
at maternally toxic concentrations.

Species: Rat
Application Route: Inhalation
Teratogenicity
at maternally toxic concentrations.

2,2,2-Trifluoroethanol : Species: Rat, male and female
Application Route: inhalation (vapour)
Exposure time: (4 Weeks)
No observed adverse effect level: 62 mg/m3
LOAEL (Lowest observed adverse effect level): 213 mg/m3
Target Organs: Blood
Method: OECD Test Guideline 412

1H-Imidazole monohydriodide : Species: Rat
Application Route: Ingestion
Exposure time: (28 d)
NOEL: 50 mg/kg/d
Method: Repeated dose (28 days) toxicity (oral)

Genotoxicity in vitro
2,2,2-Trifluoroethanol : Test Method: In vitro gene mutation study in mammalian cells
Cell type: mouse lymphoma cells
Metabolic activation: with and without metabolic activation
Result: negative
Method: OECD Test Guideline 476

1H-Imidazole monohydriodide : Result: negative
Method: Mutagenicity (Escherichia coli - reverse mutation assay)

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Imidazole : Test Method: In vitro mammalian cell gene mutation test
Cell type: Chinese hamster fibroblasts
Metabolic activation: with and without metabolic activation
Result: negative
Method: OECD Test Guideline 476

: Test Method: reverse mutation assay
Cell type: Salmonella typhimurium
Metabolic activation: with and without metabolic activation
Result: negative
Method: OECD Test Guideline 471

: Test Method: Chromosome aberration test in vitro
Cell type: Chinese hamster lung cells
Metabolic activation: with and without metabolic activation
Result: negative
Method: OECD Test Guideline 473

: Test Method: Ames test
Result: negative

: Test Method: Chromosome aberration test in vitro
Cell type: Chinese hamster cells
Result: negative
Method: OECD Test Guideline 473

: Test Method: reverse mutation assay
Cell type: Salmonella typhimurium
Metabolic activation: with and without metabolic activation
Result: negative

Genotoxicity in vivo

Imidazole : Test Method: Micronucleus test
Species: Mouse, male and female
Cell type: Bone marrow
Application Route: Oral
Method: OECD Test Guideline 474
Result: negative

Teratogenicity

2-Methoxyethanol : Species: Rat
Result: Embryotoxic effects and adverse effects on the
offspring were detected.

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Imidazole : Species: RatApplication Route: Oral

No observed adverse effect level: 60 mg/kg body weight
No observed adverse effect level: 60 mg/kg body weight
Method: OECD Test Guideline 414
Result: Embryotoxic effects and adverse effects on the offspring were detected.

Further information : Note: Possible risk of irreversible effects.

SECTION 12. ECOLOGICAL INFORMATION

Toxicity to fish
2-Methoxyethanol

: static test
LC50: > 10,000 mg/l
Exposure time: 96 h
Species: Lepomis macrochirus (Bluegill sunfish)
Method: OECD Test Guideline 203

Chloroform

: static test
LC50: 43.8 mg/l
Exposure time: 96 h
Species: Oncorhynchus mykiss (rainbow trout)

static test
LC50: 100 mg/l
Exposure time: 96 h
Species: Lepomis macrochirus (Bluegill sunfish)

2,2,2-Trifluoroethanol

: flow-through test
LC50: 119 mg/l
Exposure time: 96 h
Species: Pimephales promelas (fathead minnow)
Method: OECD Test Guideline 203

1H-Imidazole
monohydriodide

: LC0: >= 100 mg/l
Exposure time: 96 h
Species: Danio rerio (zebra fish)
Method: OECD Test Guideline 203

Imidazole

: static test
LC50: 283.6 mg/l

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Exposure time: 48 h
Species: Leuciscus idus (Golden orfe)

Toxicity to daphnia and other aquatic invertebrates

2-Methoxyethanol : semi-static test
EC50: 27,000 mg/l
Exposure time: 48 h
Species: Daphnia magna (Water flea)
Method: ISO 6341

Chloroform : static test
LC50: 28.9 mg/l
Exposure time: 48 h
Species: Daphnia magna (Water flea)

2,2,2-Trifluoroethanol : semi-static test
EC50: > 1,000 mg/l
Exposure time: 48 h
Species: Daphnia magna (Water flea)
Method: OECD Test Guideline 202

1H-Imidazole
monohydriodide : EC50: 1.4 mg/l
Exposure time: 48 h
Species: Daphnia magna (Water flea)
Method: OECD Test Guideline 202

EC0: 0.46 mg/l
Exposure time: 48 h
Species: Daphnia magna (Water flea)
Method: OECD Test Guideline 202

Imidazole : static test
EC50: 341.5 mg/l
Exposure time: 48 h
Species: Daphnia magna (Water flea)
Method: Directive 67/548/EEC, Annex V, C.2.

Toxicity to algae
2-Methoxyethanol : EC50: 12,000 mg/l
Exposure time: 72 h
Method: ISO 8692

EC50: 25,500 mg/l
Exposure time: 72 h
Method: ISO 8692

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Chloroform : LC0: 185 mg/l
Species: Microcystis aeruginosa (blue alge)

LC0: 1,110 mg/l
Species: Scenedesmus quadricauda

2,2,2-Trifluoroethanol : static test
EC50: > 974 mg/l
Exposure time: 72 h
Species: Pseudokirchneriella subcapitata (algae)
Method: OECD Test Guideline 201

static test
EC50: > 974 mg/l
Exposure time: 72 h
Species: Pseudokirchneriella subcapitata (algae)
Method: OECD Test Guideline 201

1H-Imidazole
monohydriodide : Biomass
EC50: 8.3 mg/l
Exposure time: 72 h
Species: scenedesmus subspicatus
Method: OECD Test Guideline 201

Growth rate
EC50: 34 mg/l
Exposure time: 72 h
Species: scenedesmus subspicatus
Method: OECD Test Guideline 201

Biomass
NOEC: 1 mg/l
Exposure time: 72 h
Species: scenedesmus subspicatus
Method: OECD Test Guideline 201

Biomass
NOEC: 1 mg/l
Exposure time: 72 h
Species: scenedesmus subspicatus
Method: OECD Test Guideline 201

Imidazole : static test
EC50: 133 mg/l
Exposure time: 72 h
Species: Desmodesmus subspicatus (green algae)
Method: DIN 38412

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Toxicity to bacteria

Chloroform : LC0: 125 mg/l
Species: Pseudomonas putida

1H-Imidazole : Respiration inhibition
monohydrate : EC50: > 1,000 mg/l
Exposure time: 3 h
Species: activated sludge
Method: OECD 209

Respiration inhibition
NOEC: 320 mg/l
Exposure time: 3 h
Species: activated sludge
Method: OECD 209

Biodegradability

2-Methoxyethanol : Result: Readily biodegradable
Value: > 70 %
Method: Zahn-Wellens Test

Imidazole : Result: Readily biodegradable
Method: OECD Test Guideline 301A

Further information on ecology

Chemical Oxygen Demand (COD)
2-Methoxyethanol : Value: 1,620 mg/g

Additional ecological : The product should not be allowed to enter drains, water
information courses or the soil.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods : Observe all Federal, State, and Local Environmental
regulations.

SECTION 14. TRANSPORT INFORMATION

DOT UN/ID No. : UN 1992
Proper shipping name : FLAMMABLE LIQUID, TOXIC, N.O.S.

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Class (Chloroform, Ethylene glycol monomethyl ether)
3
Packing group III
Hazard Labels 3 (6.1)

IATA UN/ID No. : UN 1992
Description of the goods : FLAMMABLE LIQUID, TOXIC, N.O.S.
(Chloroform, Ethylene glycol monomethyl ether)
Class : 3
Packaging group : III
Hazard Labels : 3 (6.1)
Packing instruction (cargo aircraft) : 366
Packing instruction (passenger aircraft) : 355
Packing instruction (passenger aircraft) : Y343

IMDG UN/ID No. : UN 1992
Description of the goods : FLAMMABLE LIQUID, TOXIC, N.O.S.
(CHLOROFORM, ETHYLENE GLYCOL MONOMETHYL ETHER)
Class : 3
Packaging group : III
Hazard Labels : 3 (6.1)
EmS Number : F-E, S-D
Marine pollutant : no
IMDG Code segregation group 10 – Liquid halogenated hydrocarbons,

SECTION 15. REGULATORY INFORMATION

Inventories

US. Toxic Substances Control Act : All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.

China. Inventory of Existing Chemical Substances : On the inventory, or in compliance with the inventory

Note : Note: Because of the potential specific inventory listing of components of this product line, further, more detailed information can be requested from SafetyDataSheet@Honeywell.com.

TSCA 12B : US. Toxic Substances Control Act (TSCA) Section 12(b) Export

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F34820 HYDRANAL-COULOMAT AK US X,500LK

000000020619

Version 1.0

Revision Date 09/22/2016

Print Date 07/03/2017

Notification (40 CFR 707, Subpt D)

2-Methoxyethanol 109-86-4

National regulatory information

TSCA : This material must be used in compliance with the TSCA Research and Development Exemption requirements (40 CFR 720.36).

:

SARA 302 Components : The following components are subject to reporting levels established by SARA Title III, Section 302:
: Chloroform 67-66-3
: Sulphur dioxide 7446-09-5

SARA 313 Components : The following components are subject to reporting levels established by SARA Title III, Section 313:
: Chloroform 67-66-3
: 2-Methoxyethanol 109-86-4

SARA 311/312 Hazards : Fire Hazard
Acute Health Hazard
Chronic Health Hazard

CERCLA Reportable Quantity : 40 lbs

California Prop. 65 : WARNING! This product contains a chemical known to the State of California to cause cancer.
Chloroform 67-66-3

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: WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

2-Methoxyethanol	109-86-4
Chloroform	67-66-3
Sulphur dioxide	7446-09-5

Massachusetts RTK	: 2-Methoxyethanol	109-86-4
	: Chloroform	67-66-3
	: Sulphur dioxide	7446-09-5

New Jersey RTK	: Sulphur dioxide	7446-09-5
	: Chloroform	67-66-3
	: 2-Methoxyethanol	109-86-4

Pennsylvania RTK	: 2-Methoxyethanol	109-86-4
	: Chloroform	67-66-3
	: Sulphur dioxide	7446-09-5

SECTION 16. OTHER INFORMATION

	HMIS III	NFPA
Health hazard	: 3	3
Flammability	: 3	3
Physical Hazard	: 0	
Instability	:	0

Hazard rating and rating systems (e.g. HMIS® III, NFPA): This information is intended solely for the use of individuals trained in the particular system.

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Final determination of suitability of any material is the sole responsibility of the user. This information should not constitute a guarantee for any specific product properties.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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Prepared by Honeywell Performance Materials and Technologies Product Stewardship Group