



PIC

Safety Data Sheet Dynamite Hand Cleaner

SECTION 1: Identification

1.1 Product identifier

Product name	Dynamite Hand Cleaner
Product number	10B17C, 10B17E
Brand	PIC

1.2 Other means of identification

No data available.

1.3 Recommended use of the chemical and restrictions on use

No data available.

1.4 Supplier's details

Name	PIC
Address	4408 Glenview Dr Haltom City, TX 76117 USA
Telephone	800-359-8031
Fax	817-281-1659
email	info@picdfw.com

1.5 Emergency phone number(s)

Infotrac: 1-800-535-5053, 24 hr

SECTION 2: Hazard identification

General hazard statement

Not applicable

2.1 Classification of the substance or mixture

GHS classification in accordance with: (US) OSHA (29 CFR 1910.1200)

- Flammable liquids (chapter 2.6), Cat. 3
- Eye damage/irritation (chapter 3.3), Cat. 1
- Sensitization, respiratory (chapter 3.4), Cat. 1
- Sensitization, skin (chapter 3.4), Cat. 1
- Skin corrosion/irritation (chapter 3.2), Cat. 2
- Specific target organ toxicity, single exposure (chapter 3.8), Cat. 3

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- Acute toxicity, inhalation (chapter 3.1), Cat. 2
- Hazardous to the aquatic environment - acute hazard (chapter 4.1), Cat. 2
- Hazardous to the aquatic environment - long-term hazard (chapter 4.1), Cat. 2

2.2 GHS label elements, including precautionary statements

Pictogram



Signal word

Danger

Hazard statement(s)

H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H226	Flammable liquid and vapor
H401	Toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects

Precautionary statement(s)

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P271	Use only outdoors or in a well-ventilated area.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or doctor if you feel unwell.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention.
P342+P311	If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
P403+P233	Store in a well ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/container to an approved waste disposal plant.
P210	Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.
P370+P378	In case of fire: Use extinguishing equipment appropriate for surrounding fire.
P403+P235	Store in a well ventilated place. Keep cool.
P273	Avoid release to the environment.
P391	Collect spillage.

2.3 Other hazards which do not result in classification

No data available.

Statement regarding ingredients of unknown toxicity

< .3% of this product consists of chemicals of unknown toxicity

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Other names / synonyms

No data available.

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Impurities and stabilizing additives No data available.

Hazardous components

1. Component 1 (trade secret)

Concentration $\geq 20 - \leq 50$ % (Volume)

- Flammable liquids (chapter 2.6), Cat. 3
- Skin corrosion/irritation (chapter 3.2), Cat. 2
- Specific target organ toxicity, single exposure (chapter 3.8), Cat. 3
- Aspiration hazard (chapter 3.10), Cat. 1
- Hazardous to the aquatic environment - acute hazard (chapter 4.1), Cat. 2
- Hazardous to the aquatic environment - long-term hazard (chapter 4.1), Cat. 2

2. Tergitol Type NP-4

Concentration $\geq 4.7 - \leq 14.55$ % (Volume)

CAS no. 127087-87-0

- Acute toxicity, oral (chapter 3.1), Cat. 4
- Acute toxicity, inhalation (chapter 3.1), Cat. 4
- Eye damage/irritation (chapter 3.3), Cat. 1
- Hazardous to the aquatic environment - acute hazard (chapter 4.1), Cat. 2
- Hazardous to the aquatic environment - long-term hazard (chapter 4.1), Cat. 2

H302+H332 Harmful if swallowed or if inhaled
H318 Causes serious eye damage
H411 Toxic to aquatic life with long lasting effects

3. DIETHANOLAMINE

Concentration $\geq 1 - \leq 2$ % (Volume)

EC no. 203-868-0

CAS no. 111-42-2

Index no. 603-071-00-1

- Skin corrosion/irritation (chapter 3.2), Cat. 2
- Acute toxicity, oral (chapter 3.1), Cat. 4
- Sensitization, respiratory (chapter 3.4), Cat. 1
- Hazardous to the aquatic environment - long-term hazard (chapter 4.1), Cat. 4
- Eye damage/irritation (chapter 3.3), Cat. 2A
- Sensitization, skin (chapter 3.4), Cat. 1
- Specific target organ toxicity, repeated exposure (chapter 3.9), Cat. 1

H302 Harmful if swallowed
H315 Causes skin irritation
H317 May cause an allergic skin reaction
H318 Causes serious eye damage
H319 Causes serious eye irritation
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled
H372 Causes damage to organs through prolonged or repeated exposure
H373 May cause damage to organs through prolonged or repeated exposure
H413 May cause long lasting harmful effects to aquatic life

4. Component 5 (trade secret)

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Concentration >= 0.595 - <= 1.242 % (Volume)

- Acute toxicity, oral (chapter 3.1), Cat. 4
- Eye damage/irritation (chapter 3.3), Cat. 2
- Acute toxicity, inhalation (chapter 3.1), Cat. 4
- Specific target organ toxicity, single exposure (chapter 3.8), Cat. 3
- Flammable liquids (chapter 2.6), Cat. 4

H227 Combustible liquid
H302 Harmful if swallowed
H319 Causes serious eye irritation
H332 Harmful if inhaled
H335 May cause respiratory irritation

5. Poly(oxy-1,2-ethanediyl), alpha-(dinonylphenyl)-omega-hydroxy-

Concentration >= 0.1 - <= 0.3 % (Volume)
CAS no. 9014-93-1

- Hazardous to the aquatic environment - acute hazard (chapter 4.1), Cat. 1
- Hazardous to the aquatic environment - long-term hazard (chapter 4.1), Cat. 1

H410 Very toxic to aquatic life with long lasting effects

6. VANILLIN

Concentration >= 0 - <= 0.099 % (Volume)
CAS no. 121-33-5

- Eye damage/irritation (chapter 3.3), Cat. 2A
- Hazardous to the aquatic environment - acute hazard (chapter 4.1), Cat. 3
- Hazardous to the aquatic environment - long-term hazard (chapter 4.1), Cat. 3

H319 Causes serious eye irritation
H412 Harmful to aquatic life with long lasting effects

Trade secret statement (OSHA 1910.1200(i))

Any concentration shown as a range is to protect confidentiality or is due to batch variation.
While some substances are claimed as trade secret in accordance with the provision of OSHA 29 CFR 1910.1200(i), all known hazards are clearly communicated within this document.

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	No data available.
If inhaled	If irritation occurs, move to fresh air.
In case of skin contact	Prolonged skin contact may cause irritation or dermatitis.
In case of eye contact	May cause slight to moderate irritation
If swallowed	May cause vomiting. Do not induce vomiting.

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Personal protective equipment for first-aid responders
None required

4.2 Most important symptoms/effects, acute and delayed

No data available.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

No data available.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Use extinguishing media appropriate for surrounding fire.

5.2 Specific hazards arising from the chemical

No data available.

5.3 Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

Further information

Keep away from strong oxidizers.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

None identified

6.2 Environmental precautions

No data available.

6.3 Methods and materials for containment and cleaning up

Coat with absorbent material and place into container. Dispose of in state or federal approved land fill.

Reference to other sections

No data available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practices.

7.2 Conditions for safe storage, including any incompatibilities

Ideal storage environment is in a climate controlled room. Exposure to heat will cause changes in color and consistency, and may cause the grit to fall to the bottom.

Specific end use(s)

Product was designed as a hand cleaner.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

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1. Component 1 (trade secret)

TWA (Inhalation): 200 mg/m³ (as total hydrocarbon vapor); USA (ACGIH)

2. Component 1 (trade secret)

TLV® (Dermal): 200 mg/m³ (as total hydrocarbon vapor); USA (ACGIH)

Absorbed thorough skin

3. VANILLIN (CAS: 121-33-5)

TWA (Inhalation): 10 mg/m³

Workplace Environmental Exposure Levels (WEEL)

4. DIETHANOLAMINE (CAS: 111-42-2 EC: 203-868-0)

TWA (Inhalation): 2 ppm; USA (OSHA)

5. DIETHANOLAMINE (CAS: 111-42-2 EC: 203-868-0)

TLV® (Inhalation): 1 ppm; USA (ACGIH)

8.2 Appropriate engineering controls

None identified

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Avoid contact with eyes

Skin protection

None identified

Body protection

None identified

Respiratory protection

None identified

Thermal hazards

None identified

Environmental exposure controls

None identified

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	red, gel to liquid consistency as it gets older
Odor	Cherry
Odor threshold	No data available.
pH	No data available.
Melting point/freezing point	No data available.
Initial boiling point and boiling range	No data available.
Flash point	No data available.
Evaporation rate	No data available.
Flammability (solid, gas)	Not applicable
Upper/lower flammability limits	No data available.
Upper/lower explosive limits	No data available.
Vapor pressure	No data available.

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Vapor density	No data available.
Relative density	No data available.
Solubility(ies)	No data available.
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	No data available.
Explosive properties	No data available.
Oxidizing properties	No data available.

Other safety information

No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under normal use conditions.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

None under normal use conditions.

10.4 Conditions to avoid

Avoid storing in direct sunlight and avoid extremes of temperature.

10.5 Incompatible materials

Keep away from strong oxidizers.

10.6 Hazardous decomposition products

No data available.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

VANILLIN

LD50 Skin - Rabbit - 5010 mg/kg

Remarks: Behavioral: Somnolence (general depressed activity). Behavioral: Food Intake (animal).

Gastrointestinal: Peritonitis.

VANILLIN

LD50 Oral - Rat - 3300 mg/kg

DIETHANOLAMINE

LD50 Oral - Guinea pig - 2000 mg/kg

Citation: Documentation of the Threshold Limit Values and Biological Exposure Indices," 5th ed., Cincinnati, OH, American Conference of Governmental Industrial Hygienists, Inc., 1986Vol. 5, Pg. 197, 1986.

DIETHANOLAMINE

LD50 Skin - Guinea pig - 11900 µg/kg

Citation: National Technical Information Service. Vol. OTS0516742

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DIETHANOLAMINE

LDLo Skin - mammal (unspecified) - 3000 mg/kg

Citation: National Technical Information Service. Vol. OTS0520710

DIETHANOLAMINE

LD50 Intraperitoneal - Mouse - 210 mg/kg

Citation: National Technical Information Service. Vol. OTS0516742

DIETHANOLAMINE

LD50 Oral - Mouse - 3300 mg/kg

Result: BEHAVIORAL: EXCITEMENT

BEHAVIORAL: MUSCLE CONTRACTION OR SPASTICITY)

BEHAVIORAL: SOMNOLENCE (GENERAL DEPRESSED ACTIVITY)

Citation: Gigiena i Sanitariya. For English translation, see HYSAAV. Vol. 29(11), Pg. 25, 1964.

DIETHANOLAMINE

LD50 Skin - Rabbit - 7640 µg/kg

Result: BEHAVIORAL: ATAXIA

SKIN AND APPENDAGES (SKIN): "DERMATITIS, OTHER: AFTER SYSTEMIC EXPOSURE"

MUSCULOSKELETAL: OTHER CHANGES

Citation: National Technical Information Service. Vol. OTS0516797

DIETHANOLAMINE

LD50 Oral - Rabbit - 2200 mg/kg

Citation: Environmental Space Science. English Translation of Kosmicheskaya Biologiya Meditsina. 1967-70.Vol. 2, Pg. 289, 1968.

DIETHANOLAMINE

LD50 Intramuscular - Rat - 1500 mg/kg

Citation: Environmental Space Science. English Translation of Kosmicheskaya Biologiya Meditsina. 1967-70.Vol. 2, Pg. 289, 1968.

DIETHANOLAMINE

LD50 Intravenous - Rat - 778 mg/kg

Citation: Environmental Space Science. English Translation of Kosmicheskaya Biologiya Meditsina. 1967-70.Vol. 2, Pg. 289, 1968.

DIETHANOLAMINE

LD50 Oral - Rat - 620 µg/kg

Result: BEHAVIORAL: TREMOR

SKIN AND APPENDAGES (SKIN): HAIR: OTHER

SENSE ORGANS AND SPECIAL SENSES: LACRIMATION: EYE

Citation: National Technical Information Service. Vol. OTS0516797

DIETHANOLAMINE

LD50 Subcutaneous - Rat - 2200 mg/kg

Citation: Environmental Space Science. English Translation of Kosmicheskaya Biologiya Meditsina. 1967-70.Vol. 2, Pg. 289, 1968.

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DIETHANOLAMINE

LD50 Intraperitoneal - Rat - 120 mg/kg

Citation: Environmental Space Science. English Translation of Kosmicheskaya Biologiya Meditsina. 1967-70.Vol. 2, Pg. 289, 1968

Fatty acids, tall-oil

LD50 Oral - Rat - > 10000 mg/kg

Component 1

LD50 Oral - Rat - > 5000 mg/kg

Component 1

LD50 Skin - Rabbit - > 2000 mg/kg

Component 5

LD50 Oral - Rat - 1430 mg/kg

Component 5

LC50 Inhalation - Rat - > 1-<5 mg/L - 4 hrs

Component 5

LD50 Skin - Rabbit - > 2000 mg/kg (based on benzoic acid)

Component 5

EC50 - 50759 mg/l - 3 hrs

Tergitol Type NP-4

LD50 Oral - Rat - 960 - 3980 mg/kg

Tergitol Type NP-4

LC50 Inhalation - Rat - 1.15 mg/l - 4 hr

Tergitol Type NP-4

LD50 Skin - Rabbit - 2000 - 2991 mg/kg

Poly(oxy-1,2-ethanediyl), alpha-(dinonylphenyl)-omega-hydroxy-
Result: No data available

Skin corrosion/irritation

Component 1

Result: Causes skin irritation

Component 5

Result: Mild-moderate irritant

Tergitol Type NP-4

Remarks: Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in desiccation of the skin.

Serious eye damage/irritation

VANILLIN

- Rabbit - 2 hr

Result: Irritating to eyes

Component 5

Result: Irritant

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Tergitol Type NP-4

Remarks: Risk of serious damage to eyes.

Respiratory or skin sensitization

VANILLIN

- Guinea pig

Result: Does not cause skin sensitisation

Component 5

- Guinea pig and Human

Result: Non-sensitizer

Tergitol Type NP-4

Remarks: Patch test on human volunteers did not demonstrate sensitisation properties

Germ cell mutagenicity

Tergitol Type NP-4

Remarks: In vitro tests did not show mutagenic effects

Carcinogenicity

Component 5

NTP carcinogen

Result: Some evidence: Male and Female Mouse

Component 5

NOAEL - Rat - > 400 mg/kg bw/day

Tergitol Type NP-4

Remarks: Animal testing did not show any carcinogenic effects

Reproductive toxicity

Tergitol Type NP-4

Remarks: Did not show teratogenic effects in animal experiments.

Summary of evaluation of the CMR properties

No data available.

STOT-single exposure

Component 1

Result: Category 3. Narcotic effects

Component 5

Result: May cause respiratory irritation (Category 3). Central nervous system effects have been observed during testing laboratory animals.

Component 5

Inhalation

Result: May cause respiratory irritation (Category 3). Component 5: Central nervous system effects have been observed during testing in laboratory animals.

Tergitol Type NP-4

Result: No data available

STOT-repeated exposure

Tergitol Type NP-4

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Result: No data available

Aspiration hazard

Component 1

Result: Aspiration hazard -- Category 1

Tergitol Type NP-4

Result: No data available

Remarks: Aspiration may cause pulmonary oedema and pneumonitis.

Additional information

No data available.

SECTION 12: Ecological information

Toxicity

VANILLIN

LC50 - Pimephales promelas (fathead minnow) - 57 mg/l - 96 hr

Remarks: semi-static test

Fatty acids, tall-oil

EC50 - Pseudokirchneriella subcapitata (green algae) - 854.9 mg/L - 72 hrs

Fatty acids, tall-oil

EC50 - Daphnia magna (water flea) - > 1000 mg/L - 48 hrs

Fatty acids, tall-oil

EC50 - micro-organism - > 1000 mg/L - 3 hrs

Fatty acids, tall-oil

LC50 - fish - > 1000 mg/L - 96 hrs

Fatty acids, tall-oil

NOEC - micro-organism - > 1000 mg/L - 3 hrs

Fatty acids, tall-oil

NOEL - algae - 500 mg/L - 48 hrs

Fatty acids, tall-oil

NOEL - algae - 750 mg/L - 72 hrs

Fatty acids, tall-oil

NOEL - Daphnia magna (water flea) - 1000 mg/L - 48 hrs

Fatty acids, tall-oil

NOEL - fish - 1000 mg/L - 96 hrs

Component 1

LC50 - Lepomis macrochirus (bluegill) - 2200 µg/L - 4 days

Result: Acute

Component 5

LC50 - fish - 1.07 mg/L - 96 hrs

Tergitol Type NP-4

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LC50 - Pimephales promelas (fathead minnow) - 3.8 - 602 mg/l - 96 hr

Tergitol Type NP-4

LC50 - Daphnia magna (water flea) - 9.3 - 21.4 mg/l - 48 hr

VANILLIN

LC50 - Pimephales promelas (fathead minnow) - 88 mg/l - 96 hr

Remarks: static test

VANILLIN

LC50 - Pimephales promelas (fathead minnow) - 53 - 61.3 mg/l - 96 hr

Remarks: flow-through test

Persistence and degradability

Fatty acids, tall-oil

Result: 80.03 % - Readily - 28 days

Component 5

Result: Readily biodegradable

Tergitol Type NP-4

Result: < 60% -- According to the results of tests of biodegradability this product is not readily biodegradable.

Citation: OECD Test Guideline 301B

Bioaccumulative potential

Component 5

Result: Log Kow: 1.48 (25C)

Tergitol Type NP-4

- Other fish

Result: Bioconcentration factor (BCF): 5.9 - 48

Mobility in soil

Tergitol Type NP-4

Result: No data available

Results of PBT and vPvB assessment

Tergitol Type NP-4

Result: not available as chemical safety assessment not required/not conducted

Other adverse effects

No data available.

SECTION 13: Disposal considerations

Disposal of the product

Offer surplus and non-recyclable solutions to a licensed disposal company.

Disposal of contaminated packaging

Dispose of as unused product.

Waste treatment

No data available.

Sewage disposal

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Not ideal for septic waste systems.

Other disposal recommendations

No data available.

SECTION 14: Transport information

DOT (US)

Not hazardous if shipped in containers < 1.3 gallons.

UN Number:

Class:

Packing Group:

Proper Shipping Name:

Reportable quantity (RQ):

Marine pollutant:

Poison inhalation hazard:

IMDG

UN Number:

Class:

Packing Group:

EMS Number:

Proper Shipping Name:

IATA

UN Number:

Class:

Packing Group:

Proper Shipping Name:

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

California Prop. 65 Components

WARNING! This product contains a chemical known to the State of California to cause cancer.

CAS-No. 75-21-8

Revision Date 2009-02-01

1,4-Dioxane

CAS-No. 123-91-1

Revision Date 2007-09-28

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

Ethylene oxide

CAS-No. 75-21-8

Revision Date 2009-02-01. This product contains the following chemical known to the State of California to cause cancer: Diethanolamine

Canadian Domestic Substances List (DSL)

Status: Y

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Massachusetts Right To Know Components

Chemical name: Diethanolamine

CAS number: 111-42-2

New Jersey Right To Know Components

α -(4-Nonylphenyl)- ω -hydroxy-poly(oxy-1,2-ethanediyl) branched.

CAS # 127087-87-0. Common name: BENZALDEHYDE

CAS number: 100-52-7. Vamillin

CAS # 121-33-5

Revision data 1989-12-01. Common name: DIETHANOLAMINE

CAS number: 111-42-2

Pennsylvania Right To Know Components

α -(4-Nonylphenyl)- ω -hydroxy-poly(oxy-1,2-ethanediyl) branched.

CAS # 127087-87-0. Chemical name: Benzaldehyde

CAS number: 100-52-7. Vamillin

CAS # 121-33-5

Revision data 1989-12-01. Chemical name: Ethanol, 2,2'-iminobis-

CAS number: 111-42-2

SARA 311/312 Hazards

Fire Hazard

Immediate (acute) health hazard. Acute Health Hazard. Acute Health

SARA 313 Components

Fire Hazard

Immediate (acute) health hazard. This product contains the indicated (*) toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning & Community Right-To-Know Act of 1986 & of 40 CFR 372.

SARA Title III Ingredients	CAS #	EINECS#	WT%	(Reg. Section)	RQ(LBS)
* Diethanolamine	111-42-2	203-868-0	80-90	(313)	100

Toxic Substances Control Act (TSCA) Inventory

Status: Y

15.2 Chemical Safety Assessment

No data available.

SECTION 16: Other information

11-8-16 Removed P233 because it was already included in P403+P233. Replaced the ... in P370+P378.
Removed P264, P272, P280, P284, P302+P352, P304+P340, P362+P364, P240, P241, P242, P243.
P303+P361+P353

16.1 Further information/disclaimer

PIC provides this SDS in good faith. The information provided in this SDS 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 product designated and may not be valid if product is used in combination with any other chemicals/materials or in any process, unless it is specified in the text of this SDS. No representation is made as to the accuracy or comprehensiveness of the data and PIC shall not be liable for any errors in the data. No representation is made as to the fitness of the data or of the materials for any particular use. No representation or warranty is made as to damages or injury. User assumes all responsibility for compliance with all laws and regulations implicated by use of this material.

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16.2 Preparation information

Prepared by Craig Rolf