

RENLEASE® 805-1 US

Version 2.0 Revision Date: 12/13/2019 SDS Number: 400001012910 Date of last issue: 12/10/2015
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Print Date 12/19/2019

SECTION 1. IDENTIFICATION

Product name : RENLEASE® 805-1 US

Manufacturer or supplier's details

Company name of supplier : Huntsman Advanced Materials Americas LLC
 Address : P.O. Box 4980
 The Woodlands,
 TX 77387

Telephone : Non-Emergency: (800) 257-5547
 United States of America (USA)

E-mail address of person responsible for the SDS : Global_Product_EHS_AdMat@huntsman.com

Emergency telephone number : Chemtrec: (800) 424-9300 or (703) 527-3887

Recommended use of the chemical and restrictions on use

Recommended use : Use in binder and release agents

Restrictions on use : For industrial use only.



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SECTION 2. HAZARDS IDENTIFICATION**GHS classification in accordance with 29 CFR 1910.1200**

Flammable solids : Category 2
 Acute toxicity (Inhalation) : Category 4
 Skin irritation : Category 2
 Eye irritation : Category 2A
 Specific target organ toxicity - single exposure : Category 3 (Central nervous system)
 Short-term (acute) aquatic hazard : Category 1
 Long-term (chronic) aquatic hazard : Category 1

GHS label elements

Hazard pictograms :



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Signal word	: Warning
Hazard statements	: H228 Flammable solid. H315 Causes skin irritation. H319 Causes serious eye irritation. H332 Harmful if inhaled. H336 May cause drowsiness or dizziness. H410 Very toxic to aquatic life with long lasting effects.
Precautionary statements	: Prevention: P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking. P240 Ground/bond container and receiving equipment. P241 Use explosion-proof electrical/ ventilating/ lighting equipment. P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. P264 Wash skin thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P273 Avoid release to the environment. P280 Wear protective gloves/ eye protection/ face protection. Response: P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P332 + P313 If skin irritation occurs: Get medical advice/ attention. P337 + P313 If eye irritation persists: Get medical advice/ attention. P362 Take off contaminated clothing and wash before reuse. P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish. P391 Collect spillage. Storage: P403 + P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up. Disposal: P501 Dispose of contents/container to an approved facility in accordance with local, regional, national and international regulations.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
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HYDROCARBON NAPHTHA	Not Assigned	50 - 70
nonane	111-84-2	25 - 30

The specific chemical identity and/or exact percentage (concentration) of composition may be withheld as a trade secret.

SECTION 4. FIRST AID MEASURES

- General advice : Move out of dangerous area.
 Show this safety data sheet to the doctor in attendance.
 Treat symptomatically.
 Get medical attention if symptoms occur.
- If inhaled : Consult a physician after significant exposure.
 If inhaled, remove to fresh air.
 Get medical attention if symptoms occur.
- In case of skin contact : If skin irritation persists, call a physician.
 If on skin, rinse well with water.
 If on clothes, remove clothes.
- In case of eye contact : Immediately flush eye(s) with plenty of water.
 Remove contact lenses.
 Keep eye wide open while rinsing.
 If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.
 Never give anything by mouth to an unconscious person.
 If symptoms persist, call a physician.
- Most important symptoms and effects, both acute and delayed : None known.
- Notes to physician : Treat symptomatically.

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Alcohol-resistant foam
 Carbon dioxide (CO₂)
 Dry chemical
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.
- Hazardous combustion : No hazardous combustion products are known

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products

Specific extinguishing methods : No data is available on the product itself.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
For safety reasons in case of fire, cans should be stored separately in closed containments.
Use a water spray to cool fully closed containers.

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
Avoid dust formation.
Avoid breathing dust.
Ensure adequate ventilation.
Remove all sources of ignition.
Refer to protective measures listed in sections 7 and 8.

Environmental precautions : Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up : Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).
Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion : Avoid dust formation.
Provide appropriate exhaust ventilation at places where dust is formed.
Keep away from open flames, hot surfaces and sources of ignition.

Advice on safe handling : Avoid formation of respirable particles.
Do not breathe vapours/dust.
Avoid exposure - obtain special instructions before use.
Avoid contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Provide sufficient air exchange and/or exhaust in work rooms.
Open drum carefully as content may be under pressure.
Dispose of rinse water in accordance with local and national regulations.

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- Conditions for safe storage : No smoking.
 Keep container tightly closed in a dry and well-ventilated place.
 Containers which are opened must be carefully resealed and kept upright to prevent leakage.
 Observe label precautions.
 Keep in properly labelled containers.
- Materials to avoid : For incompatible materials please refer to Section 10 of this SDS.
- Recommended storage temperature : 41 - 77 °F / 5 - 25 °C
- Further information on storage stability : Stable under normal conditions.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Components with workplace control parameters**

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
nonane	111-84-2	TWA	200 ppm	ACGIH
		TWA	200 ppm 1,050 mg/m ³	NIOSH REL

Personal protective equipment

- Respiratory protection : In the case of dust or aerosol formation use respirator with an approved filter.
 Dust safety masks are recommended when the dust concentration is more than 10 mg/m³.
- Hand protection
- Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.
- Eye protection : Eye wash bottle with pure water
 Tightly fitting safety goggles
 Wear face-shield and protective suit for abnormal processing problems.
- Skin and body protection : Choose body protection according to the amount and concentration of the dangerous substance at the work place.
- Hygiene measures : When using do not eat or drink.
 When using do not smoke.
 Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : paste

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Colour	: white
Odour	: musty
Odour Threshold	: No data is available on the product itself.
pH	: No data is available on the product itself.
Freezing point	: No data is available on the product itself.
Melting point	: No data is available on the product itself.
Boiling point	: ca. 309.99 °F / 154.44 °C
Flash point	: 111.99 °F / 44.44 °C Method: Pensky-Martens closed cup
Evaporation rate	: < 1
Flammability (solid, gas)	: No data is available on the product itself.
Flammability (liquids)	: No data is available on the product itself.
Upper explosion limit / Upper flammability limit	: No data is available on the product itself.
Lower explosion limit / Lower flammability limit	: No data is available on the product itself.
Vapour pressure	: < 1.333 hPa (68 °F / 20 °C)
Relative vapour density	: 1
Relative density	: 0.81
Density	: 0.82 g/cm ³
Solubility(ies)	
Water solubility	: insoluble
Solubility in other solvents	: No data is available on the product itself.
Partition coefficient: n-octanol/water	: No data is available on the product itself.
Auto-ignition temperature	: No data is available on the product itself.
Thermal decomposition	: No data is available on the product itself.
Self-Accelerating decomposition temperature (SADT)	: No data is available on the product itself.
Viscosity	: No data is available on the product itself.

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Explosive properties : No data is available on the product itself.

Oxidizing properties : No data is available on the product itself.

Particle size : No data is available on the product itself.

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No dangerous reaction known under conditions of normal use.

Chemical stability : Stable under normal conditions.

Possibility of hazardous reactions : No dangerous reaction known under conditions of normal use.

Conditions to avoid : Heat, flames and sparks.

Incompatible materials : Oxidizing agents

Hazardous decomposition products : No hazardous decomposition products are known.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : No data is available on the product itself.

Acute toxicity**Components:**

nonane:
Acute oral toxicityComponents : LD50 (Rat, male and female): > 5,000 mg/kg
Method: OECD Test Guideline 401
GLP: yes
Assessment: The substance or mixture has no acute oral toxicity
Remarks: Information given is based on data obtained from similar substances.

Acute inhalation toxicity - Product : Acute toxicity estimate: 3 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: Calculation method

Components:

nonane:
Acute dermal toxicity : LD50 (Rabbit, male and female): > 2,000 mg/kg
Method: OECD Test Guideline 402
GLP: yes
Assessment: The substance or mixture has no acute dermal toxicity

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Acute toxicity (other routes of administration) : No data available

Skin corrosion/irritation**Components:**

HYDROCARBON NAPHTHA:
Result: Irritating to skin.

nonane:

Species: Rabbit

Exposure time: 24 h

Assessment: Irritating to skin.

Method: OECD Test Guideline 404

Result: Skin irritation

GLP: yes

Remarks: Information given is based on data obtained from similar substances.

Serious eye damage/eye irritation**Components:**

HYDROCARBON NAPHTHA:
Result: Irritating to eyes.

nonane:

Species: Rabbit

Result: No eye irritation

Assessment: No eye irritation

Method: OECD Test Guideline 405

GLP: yes

Remarks: Information given is based on data obtained from similar substances.

Respiratory or skin sensitisation**Components:**

nonane:

Test Type: Maximisation Test

Exposure routes: Skin

Species: Guinea pig

Method: OECD Test Guideline 406

Result: Does not cause skin sensitisation.

GLP: no

Remarks: Information given is based on data obtained from similar substances.

Assessment: No data available

Germ cell mutagenicity**Components:**

nonane:

Genotoxicity in vitro

: Test Type: Ames test

Test system: Salmonella typhimurium

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 471

Result: negative

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Test Type: In vitro mammalian cell gene mutation test
 Test system: human lymphoblastoid cells
 Metabolic activation: with and without metabolic activation
 Method: OECD Test Guideline 476
 Result: negative
 Remarks: Information given is based on data obtained from similar substances.

Test Type: reverse mutation assay
 Test system: Salmonella tryphimurium and E. coli
 Metabolic activation: with and without metabolic activation
 Method: OECD Test Guideline 471
 Result: negative
 Remarks: Information given is based on data obtained from similar substances.

Genotoxicity in vivo : No data available

Germ cell mutagenicity-
Assessment : No data available

Carcinogenicity
No data available

Carcinogenicity -
Assessment : No data available

IARC
No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH
No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

OSHA
No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP
No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity**Components:**

nonane:

Effects on fertility

: Test Type: Three-generation study
 Species: Rat, male and female
 Application Route: inhalation (vapour)
 Dose: 0, 900, 3000, 9000 ppm
 Duration of Single Treatment: 70 d
 Frequency of Treatment: 5 days/week
 General Toxicity F1: No observed adverse effect level: 9,000 ppm

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Method: OECD Test Guideline 416

GLP: yes

Remarks: Information given is based on data obtained from similar substances.

Components:

nonane:

Effects on foetal development

: Test Type: Pre-natal

Species: Rat, male and female

Application Route: Oral

Dose: 400, 1200 ppm

General Toxicity Maternal: No observed adverse effect concentration: 1,200 ppm

Teratogenicity: No observed adverse effect concentration (Mating/Fertility): 1,200 ppm

Developmental Toxicity: No observed adverse effect concentration: 1,200 ppm

Method: OECD Test Guideline 414

Remarks: Information given is based on data obtained from similar substances.

Test Type: Pre-natal

Species: Mouse, male and female

Application Route: inhalation (vapour)

Dose: 0/900/3000/9000 ppm

General Toxicity Maternal: No observed adverse effect level: 3,168 mg/m³Developmental Toxicity: No observed adverse effect level: 10,560 mg/m³

Method: OECD Test Guideline 414

GLP: yes

Remarks: Information given is based on data obtained from similar substances.

Test Type: Pre-natal

Species: Rat

Application Route: inhalation (vapour)

Dose: 0, 900, 3000, 9000 ppm

Duration of Single Treatment: 10 d

Frequency of Treatment: 5 days/week

General Toxicity Maternal: No observed adverse effect level: 10,560 mg/m³Developmental Toxicity: No observed adverse effect level: 31,680 mg/m³

Method: OECD Test Guideline 414

GLP: yes

Remarks: Information given is based on data obtained from similar substances.

Reproductive toxicity - Assessment

: No data available

STOT - single exposure**Components:**

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HYDROCARBON NAPHTHA:

Assessment: The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects.

nonane:

Exposure routes: Inhalation

Target Organs: Central nervous system

Assessment: May cause drowsiness or dizziness., The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects.

STOT - repeated exposure

No data available

Repeated dose toxicity**Components:**

nonane:

Species: Rat, female

NOAEL: 100 mg/kg

Application Route: oral (gavage)

Exposure time: 90 d

Number of exposures: 7 days/week

Dose: 0, 100, 1000, 5000 mg/kg

Method: OECD Test Guideline 408

GLP: no

Species: Mouse, male

NOAEL: 100 mg/kg

Application Route: oral (gavage)

Exposure time: 90

Number of exposures: 7 days/week

Dose: 0/100/1000/5000 mg/kg

Method: OECD Test Guideline 408

GLP: no

Species: Rat, male and female

: 24300 mg/m³

Application Route: inhalation (vapour)

Exposure time: 13 weeks 6 h

Number of exposures: 5 days/week

Dose: 0, 2.4, 8.1, 24.3 g/m³

Method: OECD Test Guideline 413

GLP: yes

Remarks: Information given is based on data obtained from similar substances.

Species: Rat, male

: 8.4 mg/l

Application Route: inhalation (vapour)

Exposure time: 13 weeks 6 h

Number of exposures: 5 days/week

Dose: 1.9, 3.1, 8.4 mg/L

Method: OECD Test Guideline 413

GLP: no

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Repeated dose toxicity - Assessment : No data available

Aspiration toxicity**Components:**

HYDROCARBON NAPHTHA:

May be fatal if swallowed and enters airways.

nonane:

May be fatal if swallowed and enters airways.

Experience with human exposure

General Information: No data available

Inhalation: No data available

Skin contact: No data available

Eye contact: No data available

Ingestion: No data available

Toxicology, Metabolism, Distribution

No data available

Neurological effects

No data available

Further information**Product:**

Remarks: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

Concentrations substantially above the TLV value may cause narcotic effects.

Solvents may degrease the skin.

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Components:**

nonane:

Toxicity to fish : LL50 (Oncorhynchus mykiss (rainbow trout)): 1.125 mg/l
End point: mortality
Exposure time: 96 h

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Method: QSAR
 GLP: no

Components:

nonane:
 Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.2 mg/l
 Exposure time: 48 h
 Test Type: static test
 GLP: no

Components:

nonane:
 Toxicity to algae/aquatic plants : EL50 (Pseudokirchneriella subcapitata (green algae)): 1.098 mg/l
 Exposure time: 72 h
 Method: QSAR
 GLP: no

NOELr (Pseudokirchneriella subcapitata (green algae)): 0.256 mg/l
 Exposure time: 72 h
 Method: QSAR
 GLP: no

M-Factor (Acute aquatic toxicity) : No data available

Components:

nonane:
 Toxicity to fish (Chronic toxicity) : NOELR (Oncorhynchus mykiss (rainbow trout)): 0.252 mg/l
 Exposure time: 28 d
 Method: QSAR
 GLP: no

Components:

nonane:
 Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOELR (Daphnia magna (Water flea)): 1 mg/l
 Exposure time: 21 d
 Test Type: static test
 Analytical monitoring: yes
 Method: OECD Test Guideline 211
 GLP: yes
 Remarks: Information given is based on data obtained from similar substances.

M-Factor (Chronic aquatic toxicity) : No data available

Components:

nonane:
 Toxicity to microorganisms : EL50 (Tetrahymena pyriformis): > 1,000 mg/l
 Exposure time: 48 h

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Method: QSAR
GLP: no

Toxicity to soil dwelling organisms : No data available

Plant toxicity : No data available

Sediment toxicity : No data available

Toxicity to terrestrial organisms : No data available

Ecotoxicology Assessment**Components:**

nonane:

Acute aquatic toxicity : Very toxic to aquatic life.

Components:

nonane:

Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

Toxicity Data on Soil : No data available

Other organisms relevant to the environment : No data available

Persistence and degradability**Components:**

nonane:

Biodegradability : Test Type: aerobic
Inoculum: activated sludge, non-adapted
Concentration: 150 mg/l
Result: Readily biodegradable.
Biodegradation: 100 %
Exposure time: 25 d

Biochemical Oxygen Demand (BOD) : No data available

Chemical Oxygen Demand (COD) : No data available

BOD/COD : No data available

ThOD : No data available

BOD/ThOD : No data available

Dissolved organic carbon (DOC) : No data available

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Physico-chemical
removability : No data available

Stability in water : No data available

Photodegradation : No data available

Impact on Sewage
Treatment : No data available

Bioaccumulative potential

Bioaccumulation : No data available

Components:

nonane:

Partition coefficient: n-
octanol/water : log Pow: 5.65
Method: Partition coefficient

Mobility in soil

Mobility : No data available

Distribution among
environmental compartments : No data available

Stability in soil : No data available

Other adverse effects

Environmental fate and
pathways : No data available

Results of PBT and vPvB
assessment : No data available

Endocrine disrupting
potential : No data available

Adsorbed organic bound
halogens (AOX) : No data available

Hazardous to the ozone layer

Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82
Protection of Stratospheric Ozone - CAA Section 602 Class I
Substances
Remarks: This product neither contains, nor was
manufactured with a Class I or Class II ODS as defined by the
U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A +
B).

Additional ecological
information - Product : An environmental hazard cannot be excluded in the event of
unprofessional handling or disposal.
Very toxic to aquatic life with long lasting effects.

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Global warming potential (GWP) : No data available

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

Waste from residues : The product should not be allowed to enter drains, water courses or the soil.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Send to a licensed waste management company.
Dispose of as hazardous waste in compliance with local and national regulations.
Dispose of contents/ container to an approved waste disposal plant.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.
Do not burn, or use a cutting torch on, the empty drum.

SECTION 14. TRANSPORT INFORMATION**International Regulations****IATA**

UN/ID No. : UN 1325
Proper shipping name : Flammable solid, organic, n.o.s.
(Nonane, HYDROCARBON NAPHTHA)
Class : 4.1
Packing group : III
Labels : Division 4.1 - Flammable solids
Packing instruction (cargo aircraft) : 449
Packing instruction (passenger aircraft) : 446

IMDG

UN number : UN 1325
Proper shipping name : FLAMMABLE SOLID, ORGANIC, N.O.S.
(Nonane, HYDROCARBON NAPHTHA)
Class : 4.1
Packing group : III
Labels : 4.1
EmS Code : F-A, S-G
Marine pollutant : yes

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.



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National Regulations**DOT Classification**

UN/ID/NA number : UN 1325
 Proper shipping name : FLAMMABLE SOLIDS, ORGANIC, N.O.S.
 (Nonane, HYDROCARBON NAPHTHA)
 Class : 4.1
 Packing group : III
 Labels : Division 4.1 - Flammable solids
 ERG Code : 133
 Marine pollutant : yes(Nonane)

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

SECTION 15. REGULATORY INFORMATION**EPCRA - Emergency Planning and Community Right-to-Know Act****CERCLA Reportable Quantity**

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
benzene	71-43-2	10	*
naphthalene	91-20-3	100	*
toluene	108-88-3	1000	*
ethylbenzene	100-41-4	1000	*
cumene	98-82-8	5000	*

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 311/312 Hazards : Flammable (gases, aerosols, liquids, or solids)
 Acute toxicity (any route of exposure)
 Skin corrosion or irritation
 Serious eye damage or eye irritation
 Specific target organ toxicity (single or repeated exposure)

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

California Prop. 65

WARNING: This product can expose you to chemicals including benzene, naphthalene, ethylbenzene, cumene, which is/are known to the State of California to cause cancer, and toluene, benzene, which is/are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

The components of this product are reported in the following inventories:

TCSI : On the inventory, or in compliance with the inventory

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CH INV	:	The formulation contains substances listed on the Swiss Inventory
AICS	:	On the inventory, or in compliance with the inventory
DSL	:	All components of this product are on the Canadian DSL
KECI	:	On the inventory, or in compliance with the inventory
PICCS	:	On the inventory, or in compliance with the inventory
ENCS	:	Not in compliance with the inventory
IECSC	:	On the inventory, or in compliance with the inventory
NZIoC	:	On the inventory, or in compliance with the inventory
TSCA	:	On the inventory, or in compliance with the inventory

Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

TSCA - 5(a) Significant New Use Rule List of Chemicals

No substances are subject to a Significant New Use Rule.

US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D)

US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D)

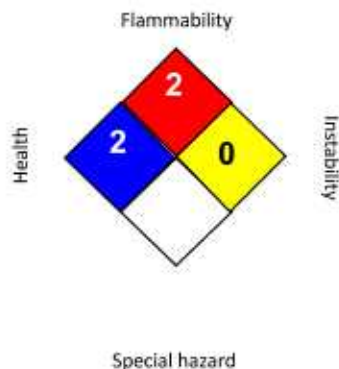
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Version 2.0 Revision Date: 12/13/2019 SDS Number: 400001012910 Date of last issue: 12/10/2015
 Date of first issue: 12/10/2015

Print Date 12/19/2019

SECTION 16. OTHER INFORMATION**Further information****NFPA 704:****HMIS® IV:**

HEALTH	2
FLAMMABILITY	2
PHYSICAL HAZARD	0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "" represents a chronic hazard, while the "/" represents the absence of a chronic hazard

Revision Date : 12/13/2019

ACGIH : USA. ACGIH Threshold Limit Values (TLV)
 NIOSH REL : USA. NIOSH Recommended Exposure Limits
 ACGIH / TWA : 8-hour, time-weighted average
 NIOSH REL / TWA : Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek

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THE PRODUCT MAY PRESENT HAZARDS AND SHOULD BE USED WITH CAUTION. WHILE CERTAIN HAZARDS ARE DESCRIBED IN THIS PUBLICATION, NO GUARANTEE IS MADE THAT THESE ARE THE ONLY HAZARDS THAT EXIST.

Hazards, toxicity and behaviour of the products may differ when used with other materials and are dependent upon the manufacturing circumstances or other processes. Such hazards, toxicity and behaviour should be determined by the user and made known to handlers, processors and end users.

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