Safety Data Sheet (SDS)

1. Identification

A. Product name : ROCKHARD USA (HARDENER)

B. Recommended Use and Restriction on Use
- ○ General use : For concrete
- ○ Restriction on use : Restricted to use other than recommended use

C. Manufacturer / Supplier / distributor information
- ○ Company name : Xtreme Polishing Systems
- ○ Address : 2200 NW 32 St. #700, Pompano Beach, FL, USA
- ○ Emergency telephone number : ChemTel: MIS7038570 (800) 255-3924

2. Hazard identification

A. GHS Classification

Acute toxicity (oral) Category 4
Acute toxicity (dermal) Category 4
Acute toxicity (inhalation: vapor) Category 3
Acute Toxicity (Inhalation: dust / mist) Category 4
Serious eye damage/irritation Category 1
Chronic aquatic toxicity Category 3
Serious eye damage/irritation Category 2A
Specific target organ toxicity(Single exposure) Category 3
Skin sensitization Category 1
Skin corrosion/irritation Category 2
Ozone Layer Hazards

B. GHS label elements

○ Hazard symbols

○ Signal words : DANGER

○ Hazard statements :

H302 Harmful if swallowed
H312 Harmful in contact with skin
H331 Toxic if inhaled
H332 Harmful if inhaled
H318 Causes serious eye damage
H412 Harmful to aquatic life with long lasting effects
H319 Causes serious eye irritation
H335+H336 May cause respiratory irritation, May cause drowsiness and dizziness.
H317 May cause an allergic skin reaction
H315 Causes skin irritation
H420 It destroys the upper layer of the ozone layer and is harmful to public health and environment.

○ Precautionary statements

- Prevention

P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P272 Contaminated work clothing should not be allowed out of the workplace.

- Response

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P330 Rinse mouth.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P321 Specific treatment
P362+P364 Take off contaminated clothing and wash before reuse.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P310 Immediately call a POISON CENTER or doctor/physician.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists, get medical attention / attention.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P332+P313 If skin irritation occurs: Get medical advice/attention.

- Storage

P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store in a locked place.

- Disposal

P501 Dispose of contents/container in accordance with local/regional/national/international

regulation
P502 Please refer to the information provided by the manufacturer / supplier on recycling and recycling examples.

C. Other hazards which do not result in classification : (NFPA Classification)

NFPA grade Chemical Name	Health	Flammability	Reactivity
α-(2-Aminomethylethyl)-ω-(2-aminomethylethoxy)poly[oxy(methyl-1,2-ethanediyl)]	3	1	0
Benzyl alcohol	2	1	0
1,3-Cyclohexanedimethanamine	3	1	1
Trade secret	NO DATA	NO DATA	NO DATA
Dodecylphenol, branched	NO DATA	NO DATA	NO DATA
Fatty acids, tail oil compds. with polyalkylenepolyamines	1	1	0
Phenol	3	2	0

3. Composition/information on ingredients

Chemical Name	Trade names and Synonyms	CAS-NO	Content(%)
α-(2-Aminomethylethyl)-ω-(2-aminomethylethoxy)poly[oxy(methyl-1,2-ethanediyl)]	α-(2-Aminomethylethyl)-ω-(2-aminomethylethoxy)poly[oxy(methyl-1,2-ethanediyl)]	9046-10-0	55~65
Benzyl alcohol	Benzyl alcohol	100-51-6	13~23
1,3-Cyclohexanedimethanamine	1,3-Cyclohexanedimethanamine	2579-20-6	5~15
Trade secret	-	-	5~15
Dodecylphenol, branched	Dodecylphenol, branched	121158-58-5	1~11
Fatty acids, tail oil compds. with polyalkylenepolyamines	Fatty acids, tail oil compds. with polyalkylenepolyamines	68911-35-3	1~10
Phenol	Phenol	108-95-2	1~10

4. First-aid measures

A. Eye Contact : If irritation, pain, swelling, tears or glaring happens, take medical assistant immediately Flush exposed eyes with plenty of water for more than 15minutes.

B. Skin Contact : Wash off with soap and water for more than 15 minutes. And take medical assistant immediately. If symptoms like irritation or pain occurs, take medical assistant immediately. Remove exposed clothing, and wash off exposed area with soap and water.

C. Inhalation : Remove contaminated clothing and shoes, and isolate it. If hard to breathe, administering oxygen Perform the artificial respiration, using the pocket mask with one way valves or other respiratory medical devices. If inhalated or swallowed, do not perform the inhalation phase of breathing Take a medical assistant immediately. If not breathing, perform the artificial respiration. Avoid from exposure, and move into an area with fresh air.

D. Ingestion Contact : It is need to be considered that early removal of some ingested material by gastric lavage must be weighed against potential complications of bleeding or perforation Take proper medical assistant by symtoms. Inducing vomit. Do not try to induce vomiting, if occurs, keep head below hips to prevent swallow into lungs. If ingested large quantity, take medical assistant.

E. Notes to Physician : There is no specific antidote and take an appropriate medical treatment.

5. Fire-fighting measures

A. Suitable (Unsuitable) extinguishing media
○ Suitable extinguishing media : Powder extinguishing agent, gaseous Extinguishing Agent, and regular foam.
○ (Unsuitable) extinguishing media : Water is not appropriate extinguishing agent
○ Case of big fire : Use appropriate protective device depend on the situation. Stay away more than 800m to avoid tank explosion. Spread large amount of the extinguishing agent as a mist form with staying against wind.

B. Specific hazards arising from the chemical
○ Pyrolysate : Carbon dioxide, toxic carbon compounds/Nitrogen compounds/sulfur compounds
○ Fire and Explosion danger : Risk of medium-sized fire.

C. Special protective actions for fire-fighters
○ Personal Precautions, protective equipment : Gas mask or air respirator, heat resistant clothing, heat resistant helmet, heat resistant gloves, heat resistant boots
○ Emergency procedures : Block the area except for the fire-suppression personnel. Cooling containers with water long time after extinguish fire. If there is no risk, moving containers away from fire. Use appropriate extinguishing agents to catch fire.

6. Accidental release measures

A. Personal Precautions, protective equipment and emergency procedures
○ Personal Precautions, protective equipment : Gas mask for organic gases, other appropriate protective device / clothing / gloves.
○ Emergency procedures : Do not contact on the bare skin Do work with the personal protected devices such as gas mask for organic gases other appropriate protective devices / clothing / gloves. Spray water to reduce amount of steam. Take an action to block the leakage if there is no risk.

B. Environmental precautions
○ Atmosphere : Using local ventilation to Minimize the exposure to worker. Do install the local ventilations and full ventilation system

○ Soil : Use absorbent to collect the appropriate container. Trap spilled material at bottom in deep water pockets, excavated holding areas or within sand bag barriers.
○ Under water : Collect spilled material with mechanic devices Use absorbent to collect the appropriate container.

C. Methods and materials for containment and cleaning up
○ Small spill : Move to appropriate container for disposal of spilled material collected. Absorb for use sand or other non-combustible material.
○ Large spill : Notify to central and local government, when emissions are above regulation. Prohibit access of unnecessary people, isolate hazard area to secure.

7. Handling and storage

A. Precautions for safe handling : Use local ventilations and a full ventilation system when handling Seal the container for minimizing the petroleum steam Ground for preventing the static discharge Keep or handle followed by Dangerous goods Safety Management Act

B. Conditions for safe storage, including any incompatibilities : Stored in an isolated place, freezing caution, high temperature body caution. Avoid strong oxidizing agents, acid. Storage temperature: 5 ~ 35 ℃ Avoid direct sunlight while storing outdoor. Because of evaporation and contamination concerns, airtight the container and store in a well-ventilated building.

8. Exposure controls/personal protection

A. Exposure Limits
○ α-(2-Aminomethylethyl)-ω-(2-aminomethylethoxy)poly[oxy(methyl-1,2-ethanediyl)]
- ACGIH : NO DATA
- Biological exposure indices : NO DATA

○ Benzyl alcohol
- ACGIH : NO DATA
- Biological exposure indices : NO DATA

○ 1,3-Cyclohexanedimethanamine
- ACGIH : NO DATA
- Biological exposure indices : NO DATA

○ Trade secret
- ACGIH : NO DATA
- Biological exposure indices : NO DATA

○ Dodecylphenol, branched
- ACGIH : NO DATA
- Biological exposure indices : NO DATA

○ Fatty acids, tail oil compds. with polyalkylenepolyamines
- ACGIH : NO DATA
- Biological exposure indices : NO DATA

○ Phenol
- ACGIH : NO DATA
- Biological exposure indices : NO DATA

B. Engineering Controls :
▷ Do install the local ventilations and full ventilation system
▷ Using local ventilation to Minimize the exposure to worker.
▷ NO DATA
▷ NO DATA

C. Personal Protective Equipment
○ Respiratory protection : Respirators should be authorized by Occupational Safety and Health Agency
○ Eye protection : If there is possibility of direct contact or exposure to these substances should wear authorized safty glasses or mask. Install washing facilities and an emergency washing facilities close to workplace.
○ Hand protection : Wear appropriate protective gloves
○ Skin protection : Wear cleanroom garment or appropriate protective clothing to prevent contamination

9. Physical and chemical properties

A. Appearance : Clear Liquid

B. Odor : Specific Odor

C. Odor threshold : NO DATA

D. PH : NO DATA

E. Melting point/Freezing point(℃) : NO DATA

F. Initial Boiling Point/Boiling Ranges(℃) : NO DATA

G. Flash point(℃) : 89

H. Evaporating Rate : NO DATA

I. Flammability(solid, gas)(℃) : NON Flammable

J. Upper/Lower Flammability or explosive limits : NO DATA

K. Vapour pressure : NO DATA

L. Solubility : Water insoluble

M. Vapour density : NO DATA

N. Specific gravity : 0.9 ± 0.3

O. Partition coefficient of n-octanol/water : NO DATA

P. Autoignition temperature(℃) : NO DATA

Q. Decomposition temperature(℃) : NO DATA

R. Viscosity : NO DATA

S. Molecular weight : NO DATA

10. Stability and reactivity

A. Chemical stability : NO DATA

B. Possibility of hazardous reactions : Avoid contaminants and friction Do not contact with heat, spark, flame or other flammable sources

C. Conditions to avoid : Oxidation agent, metal and combustable materials

D. Hazardous decomposition products : Thermal decomposition products (carbon etc.,)

11.Toxicological information

A. Information on the likely routes of exposure
- ○ Respiratory tracts : Adverse lung effects, Dyspnoea, Hypothermia, Vomitting
- ○ Oral : Vomitting, Diarrhea, Stomach pain, Irregular heartbeat
- ○ Skin : Irritation, Burn, Adverse nerve effects
- ○ Eye : Irritation, eye damage

B. Delayed and immediate effects and also chronic effects from short and long term exposure
- ○ α-(2-Aminomethylethyl)-ω-(2-aminomethylethoxy)poly[oxy(methyl-1,2-ethanediyl)]
  - Acute toxicity
    Oral : LD50 = 242 mg/kg Rat
    Dermal : LD50 = 360 mg/kg rabbit
    Inhalation : LD50 = 360 mg/kg rabbit
  - Skin corrosion/irritation : In case of contact with skin may cause burns
  - Serious eye damage/irritation : Medium using rabbit eye irritation or irritation test results
  - Respiratory sensitization : NO DATA
  - Skin sensitization : NO DATA
  - Carcinogenicity
    IARC : NO DATA
    OSHA : NO DATA
    ACGIH : NO DATA
    NTP : NO DATA
    EU CLP : NO DATA
  - Germ cell mutagenicity : NO DATA
  - Reproductive toxicity : NO DATA
  - STOT-single exposure : Inhalation airway irritation
  - STOT-repeated exposure : NO DATA
  - Aspiration hazard : NO DATA
- ○ Benzyl alcohol
  - Acute toxicity
    Oral : LD50 = 1230 mg/kg Rat
    Dermal : LD50 = 2000 mg/kg Rabbit
    Inhalation : LD50 = 2000 mg/kg Rabbit
  - Skin corrosion/irritation : usuallystimulus(100mg, 24H, rabbit)
  - Serious eye damage/irritation : Non-irritating(rabbit)
  - Respiratory sensitization : NO DATA
  - Skin sensitization : NO DATA
  - Carcinogenicity
    IARC : NO DATA
    OSHA : NO DATA
    ACGIH : NO DATA
    NTP : NO DATA
    EU CLP : NO DATA
  - Germ cell mutagenicity : NO DATA
  - Reproductive toxicity : NO DATA
  - STOT-single exposure : NO DATA
  - STOT-repeated exposure : NO DATA
  - Aspiration hazard : NO DATA
- ○ 1,3-Cyclohexanedimethanamine
  - Acute toxicity
    Oral : LD50 880 mg/kg Rat
    Dermal : LD50 100 mg/kg Rat
    Inhalation : LD50 100 mg/kg Rat
  - Skin corrosion/irritation : NO DATA
  - Serious eye damage/irritation : NO DATA
  - Respiratory sensitization : NO DATA
  - Skin sensitization : NO DATA
  - Carcinogenicity
    IARC : NO DATA
    OSHA : NO DATA

ACGIH : NO DATA
NTP : NO DATA
EU CLP : NO DATA
- Germ cell mutagenicity : NO DATA
- Reproductive toxicity : NO DATA
- STOT-single exposure : NO DATA
- STOT-repeated exposure : NO DATA
- Aspiration hazard : NO DATA

○ Trade secret
- Acute toxicity
Oral : NO DATA
Dermal : NO DATA
Inhalation : NO DATA
- Skin corrosion/irritation : NO DATA
- Serious eye damage/irritation : NO DATA
- Respiratory sensitization : NO DATA
- Skin sensitization : NO DATA
- Carcinogenicity
IARC : NO DATA
OSHA : NO DATA
ACGIH : NO DATA
NTP : NO DATA
EU CLP : NO DATA
- Germ cell mutagenicity : NO DATA
- Reproductive toxicity : NO DATA
- STOT-single exposure : NO DATA
- STOT-repeated exposure : NO DATA
- Aspiration hazard : NO DATA

○ Dodecylphenol, branched
- Acute toxicity
Oral : NO DATA
Dermal : NO DATA
Inhalation : NO DATA
- Skin corrosion/irritation : NO DATA
- Serious eye damage/irritation : NO DATA
- Respiratory sensitization : NO DATA
- Skin sensitization : NO DATA
- Carcinogenicity
IARC : NO DATA
OSHA : NO DATA
ACGIH : NO DATA
NTP : NO DATA
EU CLP : NO DATA
- Germ cell mutagenicity : NO DATA
- Reproductive toxicity : NO DATA
- STOT-single exposure : NO DATA
- STOT-repeated exposure : NO DATA
- Aspiration hazard : NO DATA

○ Fatty acids, tail oil compds. with polyalkylenepolyamines
- Acute toxicity
Oral : NO DATA
Dermal : NO DATA
Inhalation : NO DATA
- Skin corrosion/irritation : NO DATA
- Serious eye damage/irritation : NO DATA
- Respiratory sensitization : NO DATA
- Skin sensitization : NO DATA
- Carcinogenicity
IARC : NO DATA
OSHA : NO DATA
ACGIH : NO DATA
NTP : NO DATA
EU CLP : NO DATA
- Germ cell mutagenicity : NO DATA
- Reproductive toxicity : NO DATA
- STOT-single exposure : NO DATA
- STOT-repeated exposure : NO DATA
- Aspiration hazard : NO DATA

○ Phenol
- Acute toxicity
Oral : LD50 317 ㎎/㎏ Rat
Dermal : LD50 670 ㎎/㎏ Rat
Inhalation : LD50 670 ㎎/㎏ Rat
- Skin corrosion/irritation : Rabbit Skin corrosion, and as reported in humans.
- Serious eye damage/irritation : Rabbits eyes appear in the full opacity of the cornea irritation test results.
- Respiratory sensitization : NO DATA
- Skin sensitization : Test using guinea pig negative result, the test results using a mouse negative
- Carcinogenicity
IARC : Group 3
OSHA : NO DATA
ACGIH : A4
NTP : NO DATA

EU CLP : NO DATA

- Germ cell mutagenicity : Chromosome aberration test positive
- Reproductive toxicity : Chromosome aberration test positive
- STOT-single exposure : NO DATA
- STOT-repeated exposure : Increased mortality resulting from cardiovascular disease in humans, vomiting, diarrhea, abdominal pain, hemolytic anemia, methemoglobin hyperlipidemia, renal degeneration, tubular necrosis, nipple cells appear bleeding. Reduced number of red blood cells in laborat
- Aspiration hazard : NO DATA

12. Ecological information

A. Ecotoxicity

○ α-(2-Aminomethylethyl)-ω-(2-aminomethylethoxy)poly[oxy(methyl-1,2-ethanediyl)]
- Fish : NO DATA
- Crustaceans : NO DATA
- Algae : NO DATA

○ Benzyl alcohol
- Fish : LC50 = 10 ㎎/ℓ 96 hr
- Crustaceans : NO DATA
- Algae : NO DATA

○ 1,3-Cyclohexanedimethanamine
- Fish : LC50 90.772 ㎎/ℓ 96 hr (ECOSAR Class : Aliphatic Amines)
- Crustaceans : LC50 7.553 ㎎/ℓ 48 hr (ECOSAR Class : Aliphatic Amines)
- Algae : EC50 2.395 ㎎/ℓ 96 hr (ECOSAR Class : Aliphatic Amines)

○ Trade secret
- Fish : NO DATA
- Crustaceans : NO DATA
- Algae : NO DATA

○ Dodecylphenol, branched
- Fish : NO DATA
- Crustaceans : NO DATA
- Algae : NO DATA

○ Fatty acids, tail oil compds. with polyalkylenepolyamines
- Fish : NO DATA
- Crustaceans : LC50 1.198 ㎎/ℓ 48 hr Daphnia magna (predicted)
- Algae : EC50 0.899 ㎎/ℓ 96 hr (predicted)

○ Phenol
- Fish : LC50 10.9 ㎎/ℓ 96 hr
- Crustaceans : LC50 3.1 ㎎/ℓ 48 hr
- Algae : EC50 370 ㎎/ℓ 96 hr

B. Persistence and degradability

○ α-(2-Aminomethylethyl)-ω-(2-aminomethylethoxy)poly[oxy(methyl-1,2-ethanediyl)]
- Persistence : NO DATA
- Degradability : NO DATA

○ Benzyl alcohol
- Persistence : log Kow = 1.1
- Degradability : NO DATA

○ 1,3-Cyclohexanedimethanamine
- Persistence : log Kow 1.07
- Degradability : NO DATA

○ Trade secret
- Persistence : NO DATA
- Degradability : NO DATA

○ Dodecylphenol, branched
- Persistence : NO DATA
- Degradability : NO DATA

○ Fatty acids, tail oil compds. with polyalkylenepolyamines
- Persistence : log Kow 3.72 (Estimates)
- Degradability : NO DATA

○ Phenol
- Persistence : log Kow 1.46
- Degradability : NO DATA

C. Bioaccumulative potential

○ α-(2-Aminomethylethyl)-ω-(2-aminomethylethoxy)poly[oxy(methyl-1,2-ethanediyl)]
- Bioaccumulative potential : NO DATA
- Biodegration : NO DATA

○ Benzyl alcohol
- Bioaccumulative potential : NO DATA
- Biodegration : Biodegradability = 94 (%) 28 day (Aerobic, Activated Sludge)

○ 1,3-Cyclohexanedimethanamine
- Bioaccumulative potential : BCF 10
- Biodegration : 0 (%) 28 day (OECD TG 301C)

○ Trade secret
- Bioaccumulative potential : NO DATA
- Biodegration : NO DATA

○ Dodecylphenol, branched
- Bioaccumulative potential : NO DATA
- Biodegration : NO DATA

○ Fatty acids, tail oil compds. with polyalkylenepolyamines
- Bioaccumulative potential : BCF 343.2 (Estimates)

- Biodegration : NO DATA

○ Phenol
- Bioaccumulative potential : NO DATA
- Biodegration : 85 (%)

D. Mobility in soil

○ α-(2-Aminomethylethyl)-ω-(2-aminomethylethoxy)poly[oxy(methyl-1,2-ethanediyl)]
▷ NO DATA

○ Benzyl alcohol
▷ NO DATA

○ 1,3-Cyclohexanedimethanamine
▷ Koc 29.74

○ Trade secret
▷ NO DATA

○ Dodecylphenol, branched
▷ NO DATA

○ Fatty acids, tail oil compds. with polyalkylenepolyamines
▷ NO DATA

○ Phenol
▷ NO DATA

E. Other adverse effects

○ α-(2-Aminomethylethyl)-ω-(2-aminomethylethoxy)poly[oxy(methyl-1,2-ethanediyl)]
▷ NO DATA

○ Benzyl alcohol
▷ NO DATA

○ 1,3-Cyclohexanedimethanamine
▷ NO DATA

○ Trade secret
▷ NO DATA

○ Dodecylphenol, branched
▷ NO DATA

○ Fatty acids, tail oil compds. with polyalkylenepolyamines
▷ NO DATA

○ Phenol
▷ NO DATA

13. Disposal considerations

A. Disposal methods : Disposal material should keep in the airtighted container, and consign according to Waste Mateial Management Act

B. Special precautions for disposal : Discard it followed by appropriate regulations Prohibit the unauthorized disposal and incineration due to adversely affect natural ecosystems

14. Transport information

A. UN number : 2735

B. Proper shipping name : AMINES, LIQUID, CORROSIVE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, N.O.S.,(POLY(OXYPROPYLENE)DIAMINE)

C. Hazard class : 8

D. Packing group : III

E. Marine pollutant : N/A

F. Special precautions for user related to transport or transportation measures

○ EmS FIRE SCHEDULE : F-A
○ EmS SPILLAGE SCHEDULE : S-B

15. Regulatory information

○ α-(2-Aminomethylethyl)-ω-(2-aminomethylethoxy)poly[oxy(methyl-1,2-ethanediyl)]
- Information of EU Classification
▷ Classification : NO DATA
▷ Risk Phrases : NO DATA
▷ Safety Phrase : NO DATA
- U.S. Federal regulations
▷ OSHA PROCESS SAFETY (29CFR1910.119) : notapplicable
▷ CERCLA Section 103 (40CFR302.4) : notapplicable
▷ EPCRA Section 302 (40CFR355.30) : notapplicable
▷ EPCRA Section 304 (40CFR355.40) : notapplicable
▷ EPCRA Section 313 (40CFR372.65) : notapplicable
- Rotterdam Convention listed ingredients : NO DATA
- Stockholm Convention listed ingredients : NO DATA
- Montreal Protocol listed ingredients : NO DATA

○ Benzyl alcohol
- Information of EU Classification
▷ Classification : NO DATA
▷ Risk Phrases : NO DATA
▷ Safety Phrase : NO DATA
- U.S. Federal regulations
▷ OSHA PROCESS SAFETY (29CFR1910.119) : notapplicable
▷ CERCLA Section 103 (40CFR302.4) : notapplicable

▷ EPCRA Section 302 (40CFR355.30) : notapplicable
▷ EPCRA Section 304 (40CFR355.40) : notapplicable
▷ EPCRA Section 313 (40CFR372.65) : notapplicable
- Rotterdam Convention listed ingredients : NO DATA
- Stockholm Convention listed ingredients : NO DATA
- Montreal Protocol listed ingredients : NO DATA

○ 1,3-Cyclohexanedimethanamine
- Information of EU Classification
▷ Classification : NO DATA
▷ Risk Phrases : NO DATA
▷ Safety Phrase : NO DATA
- U.S. Federal regulations
▷ OSHA PROCESS SAFETY (29CFR1910.119) : notapplicable
▷ CERCLA Section 103 (40CFR302.4) : notapplicable
▷ EPCRA Section 302 (40CFR355.30) : notapplicable
▷ EPCRA Section 304 (40CFR355.40) : notapplicable
▷ EPCRA Section 313 (40CFR372.65) : notapplicable
- Rotterdam Convention listed ingredients : NO DATA
- Stockholm Convention listed ingredients : NO DATA
- Montreal Protocol listed ingredients : NO DATA

○ Trade secret
- Information of EU Classification
▷ Classification : NO DATA
▷ Risk Phrases : NO DATA
▷ Safety Phrase : NO DATA
- U.S. Federal regulations
▷ OSHA PROCESS SAFETY (29CFR1910.119) : NO DATA
▷ CERCLA Section 103 (40CFR302.4) : NO DATA
▷ EPCRA Section 302 (40CFR355.30) : NO DATA
▷ EPCRA Section 304 (40CFR355.40) : NO DATA
▷ EPCRA Section 313 (40CFR372.65) : NO DATA
- Rotterdam Convention listed ingredients : NO DATA
- Stockholm Convention listed ingredients : NO DATA
- Montreal Protocol listed ingredients : NO DATA

○ Dodecylphenol, branched
- Information of EU Classification
▷ Classification : NO DATA
▷ Risk Phrases : NO DATA
▷ Safety Phrase : NO DATA
- U.S. Federal regulations
▷ OSHA PROCESS SAFETY (29CFR1910.119) : NO DATA
▷ CERCLA Section 103 (40CFR302.4) : NO DATA
▷ EPCRA Section 302 (40CFR355.30) : NO DATA
▷ EPCRA Section 304 (40CFR355.40) : NO DATA
▷ EPCRA Section 313 (40CFR372.65) : NO DATA
- Rotterdam Convention listed ingredients : NO DATA
- Stockholm Convention listed ingredients : NO DATA
- Montreal Protocol listed ingredients : NO DATA

○ Fatty acids, tail oil compds. with polyalkylenepolyamines
- Information of EU Classification
▷ Classification : NO DATA
▷ Risk Phrases : NO DATA
▷ Safety Phrase : NO DATA
- U.S. Federal regulations
▷ OSHA PROCESS SAFETY (29CFR1910.119) : NO DATA
▷ CERCLA Section 103 (40CFR302.4) : NO DATA
▷ EPCRA Section 302 (40CFR355.30) : NO DATA
▷ EPCRA Section 304 (40CFR355.40) : NO DATA
▷ EPCRA Section 313 (40CFR372.65) : NO DATA
- Rotterdam Convention listed ingredients : NO DATA
- Stockholm Convention listed ingredients : NO DATA
- Montreal Protocol listed ingredients : NO DATA

○ Phenol
- Information of EU Classification
▷ Classification : NO DATA
▷ Risk Phrases : NO DATA
▷ Safety Phrase : NO DATA
- U.S. Federal regulations
▷ OSHA PROCESS SAFETY (29CFR1910.119) : notapplicable
▷ CERCLA Section 103 (40CFR302.4) : 453.599 kg 1000 lb
▷ EPCRA Section 302 (40CFR355.30) : pertinent
▷ EPCRA Section 304 (40CFR355.40) : pertinent
▷ EPCRA Section 313 (40CFR372.65) : pertinent
- Rotterdam Convention listed ingredients : NO DATA
- Stockholm Convention listed ingredients : NO DATA
- Montreal Protocol listed ingredients : NO DATA

16. Other information

A. Reference

This SDS is based on ‘Industrial safety and health’ Act paragraph 41 and Proclamation of Ministry of Labor and Employment 2016-19, and considered domestic regulations.
This SDS is based on KOSHA, NITE, ESIS, NLM, SIDS, IPCS, NCIS.

B. Issue date : 2018-04-06

C. Revision number and Last date revised : 1.(2020-09-22)

D. Other : " WWW.XTREMEPOLISHINGSYSTEMS.COM "