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# Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 11/02/2015 Reviewed on 11/02/2015

## 1 Identification

- · Product Identifier
- · Trade name: Stripper DD
- Product Number: ngt-scz377
- Relevant identified uses of the substance or mixture and uses advised against:
- **Product Description** PC35 Washing and cleaning products (including solvent based products)
- · Details of the Supplier of the Safety Data Sheet:
- Manufacturer/Supplier:

NuGeneration Technologies, LLC (dba NuGenTec)

1155 Park Avenue, Emeryville, CA 94608

salesteam@nugentec.com

1-888-996-8436 or 1-707-820-4080 for product information

· Emergency telephone number:

PERS Emergency Response: Domestic and Canada - 1-800-633-8253, International 1-801-629-0667

## 2 Hazard(s) Identification

· Classification of the substance or mixture:



GHS08 Health hazard

Repr. 1B H360 May damage fertility or the unborn child.



**GHS05** Corrosion

Skin Corr. 1A H314 Causes severe skin burns and eye damage.

Eye Dam. 1 H318 Causes serious eye damage.



GHS07

STOT SE 3 H335 May cause respiratory irritation.

Flam. Liq. 4 H227 Combustible liquid.

- · Label elements:
- · GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

· Hazard pictograms:







GHS05 GHS07 GHS08

- · Signal word: Danger
- · Hazard-determining components of labeling:

*N-methyl-2-pyrrolidone (NMP)* 

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Trade name: Stripper DD

Sodium Hydroxide

Isopropyl alcohol

#### · Hazard statements:

Combustible liquid.

Causes severe skin burns and eye damage.

May damage fertility or the unborn child.

May cause respiratory irritation.

#### · Precautionary statements:

Keep away from flames and hot surfaces. - No smoking.

Do not breathe dusts or mists.

Avoid breathing dust/fume/gas/mist/vapors/spray.

Use only outdoors or in a well-ventilated area.

Wear protective gloves / eye protection / face protection.

Wear eye protection / face protection.

Wash thoroughly after handling.

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

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.

Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Call a POISON CENTER/doctor if you feel unwell.

Wash contaminated clothing before reuse.

IF exposed or concerned: Get medical advice/attention.

If swallowed: Rinse mouth. Do NOT induce vomiting.

In case of fire: Use for extinction: CO2, powder or water spray.

Store locked up.

Store in a well-ventilated place. Keep container tightly closed.

Store in a well-ventilated place. Keep cool.

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

- · Classification system:
- · NFPA ratings (scale 0 4)



Health = 3 Fire = 2 Reactivity = 0

· HMIS-ratings (scale 0 - 4)



Health = \*4 Fire = 2 Reactivity = 0

· Hazard(s) not otherwise classified (HNOC): None known

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# 3 Composition/Information on Ingredients

68603-25-8 ethoxylated propoxylated c8-c10 alcohols	2-12%
Skin Irrit. 2, H315; Eye Irrit. 2A, H319	

· **Description:** Mixture: consisting of the following components.

Dangerous Components:					
CAS: 872-50-4 RTECS: UY 5790000	N-methyl-2-pyrrolidone (NMP) Repr. 1B, H360; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	70-90%			
CAS: 67-63-0 RTECS: NT 8050000	Isopropyl alcohol  ♦ Flam. Liq. 2, H225; ♦ Eye Irrit. 2, H319; STOT SE 3, H336	15-35%			
CAS: 1310-73-2	Sodium Hydroxide ♦ Skin Corr. 1A, H314	2-12%			

## 4 First-Aid Measures

- · Description of first aid measures:
- · General information: Immediately remove any clothing soiled by the product.
- · After inhalation: In case of unconsciousness place patient stably in side position for transportation.
- · After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation occurs, consult a doctor.

- · After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
- · After swallowing: Drink copious amounts of water and provide fresh air. Immediately call a doctor.
- · Information for doctor:
- · Most important symptoms and effects, both acute and delayed:

No further relevant information available.

· Indication of any immediate medical attention and special treatment needed:

No further relevant information available.

## 5 Fire-Fighting Measures

- · Extinguishing media:
- · Suitable extinguishing agents:

CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special hazards arising from the substance or mixture:

Combustible liquid. Vapors can travel to a source of ignition and flash back.

Explosive mixtures may occur at temperatures at or above flashpoint.

- Advice for firefighters:
- · Protective equipment:

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

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### 6 Accidental Release Measures

· Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Keep unprotected persons away.

- · Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- · Methods and material for containment and cleaning up:

Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust). Use neutralizing agent.

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

Dispose of the collected material according to regulations.

Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## 7 Handling and Storage

- · Handling
- · Precautions for safe handling:

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

Prevent formation of aerosols.

Information about protection against explosions and fires:

Protect from heat.

Keep protective respiratory device available.

- · Conditions for safe storage, including any incompatibilities:
- Storage
- Requirements to be met by storerooms and receptacles: No special requirements.
- · Information about storage in one common storage facility: Not required.
- · Further information about storage conditions:

No further relevant information available..

Protect from heat and direct sunlight.

· Specific end use(s): No further relevant information available.

## 8 Exposure Controls/Personal Protection

- · Additional information about design of technical systems: No further data; see section 7.
- · Control parameters:
- · Components with occupational exposure limits:

872-50-4 N-methyl-2-pyrrolidone (NMP)

WEEL Long-term value: 10 ppm

Skin

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67-63	·0 Isopropyl alcohol
PEL	Long-term value: 980 mg/m³, 400 ppm
REL	Short-term value: 1225 mg/m³, 500 ppm Long-term value: 980 mg/m³, 400 ppm
TLV	Short-term value: 984 mg/m³, 400 ppm Long-term value: 492 mg/m³, 200 ppm BEI
1310-	73-2 Sodium Hydroxide
PEL	Long-term value: 2 mg/m³
REL	Ceiling limit value: 2 mg/m³
TLV	Ceiling limit value: 2 mg/m³
Ingre	dients with biological limit values:
872-5	0-4 N-methyl-2-pyrrolidone (NMP)
u e	00 mg/L rine nd of shift -Hydroxy-N-methyl-2-pyrrolidone
67-63	·0 Isopropyl alcohol
e	0 mg/L rine nd of shift at end of workweek cetone (background, nonspecific)

- · Additional information: The lists that were valid during the creation of this SDS were used as basis.
- · Exposure controls:
- Personal protective equipment:
- · General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing and wash before reuse.

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

- · Breathing equipment: Not required.
- · Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Select glove material based on penetration times, rates of diffusion and degradation.

# · Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several

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substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

· Penetration time of glove material:

The exact break-through time has to be determined and observed by the manufacturer of the protective aloves.

· Eye protection:



Tightly sealed goggles

# 9 Physical and Chemical Properties

· Information on basic physical and chemical properties

· General Information

· Appearance:

Form: Liquid
Color: Colorless
Odor: Vinegar

· Odor threshold: Not determined.

· **pH-value** @ **20** °**C** (**68** °**F**): 13

· Change in condition

Melting point/Melting range:
Boiling point/Boiling range:
Flash point:
Flammability (solid, gaseous):
Ignition temperature:
Decomposition temperature:
Not determined.
Not applicable.
270 °C (518 °F)
Not determined.

· **Auto igniting:** Product is not self-igniting.

· Danger of explosion: Not determined.

· Explosion limits:

 Lower:
 1.3 Vol %

 Upper:
 12.0 Vol %

 • Vapor pressure @ 20 °C (68 °F):
 0.3 hPa

• **Density @ 20 °C (68 °F):** 1.053 g/cm³ (8.787 lbs/gal)

Relative density: Not determined.
 Vapor density: Not determined.
 Evaporation rate: Not determined.

· Solubility in / Miscibility with:

Water: Not miscible or difficult to mix.

· Partition coefficient (n-octanol/water): Not determined.

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· Viscosity:

**Dynamic @ 20 °C (68 °F):** 10 mPas

Kinematic: Not determined.

· Solvent content:

 Organic solvents:
 90.0 %

 VOC content:
 90.0 %

 Solids content:
 5.0 %

· Other information: No further relevant information available.

# 10 Stability and Reactivity

- · Reactivity: No further relevant information available.
- · Chemical stability: Stable under normal conditions.
- Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

- · Possibility of hazardous reactions: No dangerous reactions known.
- · Conditions to avoid: No further relevant information available.
- · Incompatible materials: No further relevant information available.
- · Hazardous decomposition products: No dangerous decomposition products known.

# 11 Toxicological Information

- · Information on toxicological effects:
- · Acute toxicity:

· LD/LC50	values that are	relevant for classification:				
872-50-4	872-50-4 N-methyl-2-pyrrolidone (NMP)					
Oral	LD50	3914 mg/kg (rat)				
Dermal	LD50	8000 mg/kg (rabbit)				
67-63-0 Is	67-63-0 Isopropyl alcohol					
Oral	LD50	5045 mg/kg (rat)				
Dermal	LD50	12800 mg/kg (rabbit)				
Inhalative	LC50/4 h	30 mg/l (rat)				
	LC50/96 hours	9640 mg/l (Pimephales)				
1310-73-2	1310-73-2 Sodium Hydroxide					
Oral	LD50	2000 mg/kg (rat)				

- Primary irritant effect:
- On the skin: Strong caustic effect on skin and mucous membranes.
- · On the eye:

Strong irritant with the danger of severe eye injury.

Corrosive effect.

Causes serious eye irritation.

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#### · Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:

Corrosive

Irritant

Swallowing will lead to a corrosive effect on mouth and throat and to the danger of perforation of esophagus and stomach.

#### · Carcinogenic categories:

#### · IARC (International Agency for Research on Cancer):

67-63-0 Isopropyl alcohol

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#### · NTP (National Toxicology Program):

None of the ingredients are listed.

#### · OSHA-Ca (Occupational Safety & Health Administration):

None of the ingredients are listed.

# 12 Ecological Information

· Toxicity:

# · Aquatic toxicity:

# 872-50-4 N-methyl-2-pyrrolidone (NMP)

EC50 1.23-1.50 mg/l (Water flea)

#### 67-63-0 Isopropyl alcohol

EC50 6851 mg/l (Green algae)

5102 mg/l (Water flea)

#### 1310-73-2 Sodium Hydroxide

EC50 40 mg/l (daphnia)

- · Persistence and degradability: No further relevant information available.
- · Behavior in environmental systems:
- · Bioaccumulative potential: No further relevant information available.
- · Mobility in soil: No further relevant information available.
- Additional ecological information:
- · General notes:

Do not allow product to reach ground water, water course or sewage system.

Must not reach bodies of water or drainage ditch undiluted or unneutralized.

Danger to drinking water if even small quantities leak into the ground.

Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

- Results of PBT and vPvB assessment:
- · PBT: Not applicable.
- · **vPvB**: Not applicable.

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· Other adverse effects: No further relevant information available.

# 13 Disposal Considerations

- · Waste treatment methods:
- · Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage

Observe all federal, state and local environmental regulations when disposing of this material.

- · Uncleaned packagings:
- · Recommendation: Disposal must be made according to official regulations.

## 14 Transport Information

· UN-Number:

· DOT, ADR, IMDG, IATA

UN2735

· UN proper shipping name:

· DOT · ADR Amines, liquid, corrosive, n.o.s. (Sodium Hydroxide) UN2735 Amines, liquid, corrosive, n.o.s. (Sodium

Hydroxide)

· IMDG, IATA

AMINES, LIQUID, CORROSIVE, N.O.S. (Sodium

Hydroxide)

· Transport hazard class(es):

· DOT



· Class: 8 Corrosive substances

· Label:

· ADR



· Class: 8 (C7) Corrosive substances

· Label:

· IMDG, IATA



· Class: 8 Corrosive substances

8

· Label:

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· Packing group:

· DOT, ADR, IMDG, IATA

· Environmental hazards: Not applicable.

· Special precautions for user: Warning: Corrosive substances

Danger code (Kemler):
 EMS Number:
 Segregation groups:
 Alkalis

· Transport in bulk according to Annex II of

MARPOL73/78 and the IBC Code: Not applicable.

· Transport/Additional information:

· DOT

• Quantity limitations: On passenger aircraft/rail: 0.5 L
On cargo aircraft only: 2.5 L

· ADR

· Excepted quantities (EQ): Code: E0

Not permitted as Excepted Quantity

· IMDG

· Limited quantities (LQ):

· Excepted quantities (EQ): Code: E0

Not permitted as Excepted Quantity

· UN "Model Regulation": UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S.

(SODIUM HYDROXIDE), 8, I

#### 15 Regulatory Information

- · Safety, health and environmental regulations/legislation specific for the substance or mixture:
- · SARA (Superfund Amendments and Reauthorization):
- · Section 355 (extremely hazardous substances):

None of the ingredients are listed.

Section 313 (Specific toxic chemical listings):

872-50-4 N-methyl-2-pyrrolidone (NMP)

67-63-0 Isopropyl alcohol

· TSCA (Toxic Substances Control Act):

All ingredients are listed.

- · California Proposition 65:
- · Chemicals known to cause cancer:

None of the ingredients are listed.

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients are listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients are listed.

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#### · Chemicals known to cause developmental toxicity:

872-50-4 N-methyl-2-pyrrolidone (NMP)

Carcinogenic categories:

· EPA (Environmental Protection Agency):

None of the ingredients are listed.

· TLV (Threshold Limit Value established by ACGIH):

67-63-0 Isopropyl alcohol

A4

· NIOSH-Ca (National Institute for Occupational Safety and Health):

None of the ingredients are listed.

· GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

· Hazard pictograms:







GHS05 GHS07 GHS08

· Signal word: Danger

Hazard-determining components of labeling:

N-methyl-2-pyrrolidone (NMP)

Sodium Hydroxide

Isopropyl alcohol

· Hazard statements:

Combustible liquid.

Causes severe skin burns and eye damage.

May damage fertility or the unborn child.

May cause respiratory irritation.

Precautionary statements:

Keep away from flames and hot surfaces. - No smoking.

Do not breathe dusts or mists.

Avoid breathing dust/fume/gas/mist/vapors/spray.

Use only outdoors or in a well-ventilated area.

Wear protective gloves / eye protection / face protection.

Wear eye protection / face protection.

Wash thoroughly after handling.

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

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.

Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Call a POISON CENTER/doctor if you feel unwell.

Wash contaminated clothing before reuse.

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Trade name: Stripper DD

IF exposed or concerned: Get medical advice/attention.

If swallowed: Rinse mouth. Do NOT induce vomiting.

In case of fire: Use for extinction: CO2, powder or water spray.

Store locked up.

Store in a well-ventilated place. Keep container tightly closed.

Store in a well-ventilated place. Keep cool.

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

#### · National regulations:

The product is subject to be classified according with the latest version of the regulations on hazardous substances.

· State Right to Know:					
CAS: 872-50-4	N-methyl-2-pyrrolidone (NMP)	70-90%			
RTECS: UY 5790000	♦ Repr. 1B, H360; ♦ Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335				
CAS: 67-63-0	Isopropyl alcohol	15-35%			
RTECS: NT 8050000	♦ Flam. Liq. 2, H225; ♦ Eye Irrit. 2, H319; STOT SE 3, H336				
CAS: 1310-73-2	Sodium Hydroxide	2-12%			
	💠 Skin Corr. 1A, H314				
CAS: 68603-25-8	ethoxylated propoxylated c8-c10 alcohols	2-12%			
	♦ Skin Irrit. 2, H315; Eye Irrit. 2A, H319				
All ingredients are liste	ed.				

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

## 16 Other Information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

· Date of preparation / last revision: 11/02/2015 / 2

· Abbreviations and acronyms:

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road

ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids, Hazard Category 2

Flam. Liq. 4: Flammable liquids, Hazard Category 4

Skin Corr. 1A: Skin corrosion/irritation, Hazard Category 1A

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Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2 Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
Repr. 1B: Reproductive toxicity, Hazard Category 1B
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

\* Data compared to the previous version altered.

SDS created by MSDS Authoring Services www.msdsauthoring.com +1-877-204-9106

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