



Safety Data Sheet

Startex Painters Hand Towel

Version 1.1

Revision Date: 08/09/2016

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Startex Painters Hand Towel

Recommended use of the chemical and restrictions on use

Recommended use : Bathroom, Kitchen & Industrial Hand Cleaner

Manufacturer or supplier's details

Company : Nexeo Solutions LLC - STARTEX™
Address : 3 Waterway Square Place Suite 1000
The Woodlands, TX. 77380
United States of America

Emergency telephone number:

Health North America: 1-855-NEXEO4U (1-855-639-3648)

Health International: 1-855-NEXEO4U (1-855-639-3648)

Transport North America: CHEMTREC (1-800-424-9300)

Additional Information: : Responsible Party: Product Safety Group
E-Mail: msds@nexeosolutions.com
SDS Requests: 1-855-429-2661
SDS Requests Fax: 1-281-500-2370
Website: www.nexeosolutions.com

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Not a hazardous substance or mixture.

GHS Label element

Not a hazardous substance or mixture.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

CAS-No.	Chemical Name	Weight %
34398-01-1	Poly(oxy-1,2-ethanediyl), .alpha.-undecyl-.omega.-hydroxy-	1 - 5
1300-72-7	Benzenesulfonic acid, dimethyl-, sodium salt (1:1)	1 - 5
5989-27-5	d-Limonene	1 - 5

Any Concentration shown as a range is due to batch variation.

SECTION 4. FIRST AID MEASURES

General advice : Do not leave the victim unattended.

Safety Data Sheet

Startex Painters Hand Towel

Version 1.1

Revision Date: 08/09/2016

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|-------------------------|---|
| If inhaled | : If unconscious place in recovery position and seek medical advice.
If symptoms persist, call a physician. |
| In case of skin contact | : Wash off with soap and plenty of water.
Call a physician if irritation develops or persists. |
| In case of eye contact | : Remove contact lenses.
Protect unharmed eye.
If eye irritation persists, consult a specialist. |
| If swallowed | : Keep respiratory tract clear.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician. |

SECTION 5. FIREFIGHTING MEASURES

- | | |
|---|---|
| Suitable extinguishing media | : Use an extinguishing media appropriate for surrounding fire. |
| Specific hazards during fire-fighting | : Do not allow run-off from fire fighting to enter drains or water courses. |
| Hazardous combustion products | : No hazardous combustion products are known |
| Specific extinguishing methods | : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. |
| Further information | : Collect contaminated fire extinguishing water separately. This must not be discharged into drains. |
| Special protective equipment for firefighters | : Wear self-contained breathing apparatus for firefighting if necessary. |

SECTION 6. ACCIDENTAL RELEASE MEASURES

- | | |
|---|--|
| Environmental precautions | : Prevent product from entering drains.
If the product contaminates rivers and lakes or drains inform respective authorities. |
| Methods and materials for containment and cleaning up | : Wipe up with absorbent material (e.g. cloth, fleece).
Keep in suitable, closed containers for disposal. |

SECTION 7. HANDLING AND STORAGE

- | | |
|---|---|
| Advice on protection against fire and explosion | : Normal measures for preventive fire protection. |
| Advice on safe handling | : For personal protection see section 8. |

Safety Data Sheet

Startex Painters Hand Towel

Version 1.1

Revision Date: 08/09/2016

	Smoking, eating and drinking should be prohibited in the application area.
Conditions for safe storage	: Containers which are opened must be carefully resealed and kept upright to prevent leakage. Electrical installations / working materials must comply with the technological safety standards.
Materials to avoid	: No materials to be especially mentioned.
Recommended storage temperature	: -15 - 45 °C

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Personal protective equipment

Respiratory protection	: No personal respiratory protective equipment normally required.
Eye protection	: Safety glasses
Skin and body protection	: Protective suit
Hygiene measures	: General industrial hygiene practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: liquid
Colour	: white
Odour	: Citrus
Odour Threshold	: No data available
pH	: 8.0 - 9.0
Freezing Point	: No data available
Boiling Point	: No data available
Flash point	: > 93.33 °C (199.99 °F) Method: closed cup
Evaporation rate	: > 1.0
Flammability (solid, gas)	: No data available



Safety Data Sheet

Startex Painters Hand Towel

Version 1.1

Revision Date: 08/09/2016

Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapour pressure	: No data available
Relative vapour density	: < 1.0(Air = 1.0)
Relative density	: 0.95Reference substance: (water = 1)
Density	: No data available
Solubility(ies) Water solubility	: soluble
Solubility in other solvents	: No data available
Partition coefficient: n- octanol/water	: No data available
Auto-ignition temperature	: No data available
Thermal decomposition	: No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reac- tions	: Stable under recommended storage conditions. No hazards to be specially mentioned.
Conditions to avoid	: Keep away from heat, flame, sparks and other ignition sources. temperatures above 150 degrees F (66 °C) Freezing temperatures.
Incompatible materials	: Contamination Strong oxidizing agents

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

Acute oral toxicity : Acute toxicity estimate: > 5,000 mg/kg



Safety Data Sheet

Startex Painters Hand Towel

Version 1.1

Revision Date: 08/09/2016

Components:

34398-01-1:

Acute oral toxicity : LD50 (Rat): 1,400 mg/kg
Assessment: The component/mixture is moderately toxic after single ingestion.

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg

1300-72-7:

Acute oral toxicity : LD50 (Rat, male and female): > 3,356 mg/kg

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : LD50 (Rabbit, male and female): > 2,000 mg/kg

5989-27-5:

Acute oral toxicity : LD50 (Rat): 4,400 mg/kg
Assessment: The component/mixture is low toxic after single ingestion.

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg
Assessment: The substance or mixture has no acute dermal toxicity

Skin corrosion/irritation

Product:

Result: No skin irritation

Components:

34398-01-1:

Species: Rabbit
Result: Mild skin irritation

1300-72-7:

Species: Rabbit
Result: Irritating to skin.

5989-27-5:

Species: Rabbit
Result: Irritating to skin.

Serious eye damage/eye irritation

Product:

Result: No eye irritation

Components:



Safety Data Sheet

Startex Painters Hand Towel

Version 1.1

Revision Date: 08/09/2016

34398-01-1:

Species: Rabbit

Result: Risk of serious damage to eyes.

1300-72-7:

Species: Rabbit

Result: Irritating to eyes.

5989-27-5:

Species: Rabbit

Result: Mild eye irritation

Respiratory or skin sensitisation

Product:

Result: No data available

Remarks: not sensitising

Components:

1300-72-7:

Test Type: Buehler Test

Species: Guinea pig

Result: Did not cause sensitisation on laboratory animals.

5989-27-5:

Test Type: lymph node assay

Species: Mouse

Result: May cause sensitisation by skin contact.

Germ cell mutagenicity

Components:

34398-01-1:

Germ cell mutagenicity - Assessment : mutagenicity classification is not possible

1300-72-7:

Genotoxicity in vitro : Test Type: Chromosome aberration test in vitro
Species: Chinese hamster ovary (CHO)
Result: negative

Genotoxicity in vivo : Test Type: In vivo micronucleus test
Species: Mouse
Result: negative

Germ cell mutagenicity - Assessment : Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

5989-27-5:

Genotoxicity in vitro : Test Type: Mammalian cell gene mutation assay
Species: mouse lymphoma cells
Metabolic activation: with and without metabolic activation
Result: negative



Safety Data Sheet

Startex Painters Hand Towel

Version 1.1

Revision Date: 08/09/2016

Genotoxicity in vivo : Test Type: DNA damage and/or repair
Species: Rat
Cell type: Kidney cells
Application Route: Oral
Result: negative

Germ cell mutagenicity - Assessment : Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

Carcinogenicity

Components:

34398-01-1:

Carcinogenicity - Assessment : carcinogenicity classification is not possible

1300-72-7:

Species: Mouse
NOAEL: 727 mg/kg bw/day

Carcinogenicity - Assessment : No evidence of carcinogenicity in animal studies.

5989-27-5:

Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

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.

OSHA

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

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.

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.

Reproductive toxicity

Components:

34398-01-1:

Reproductive toxicity - Assessment : reproduction classification is not possible

Teratogenicity - Assessment : teratogenicity classification is not possible



Safety Data Sheet Startex Painters Hand Towel

Version 1.1

Revision Date: 08/09/2016

1300-72-7:

Effects on foetal development : Species: Rat
Application Route: Oral
General Toxicity Maternal: NOAEL: > 3,000 mg/kg body weight
Developmental Toxicity: NOAEL: > 3,000 mg/kg body weight

Teratogenicity - Assessment : No evidence of adverse effects on sexual function and fertility, or on development, based on animal experiments.

5989-27-5:

Reproductive toxicity - Assessment : Fertility classification not possible from current data.

Teratogenicity - Assessment : Embryotoxicity classification not possible from current data.

STOT - single exposure

Components:

1300-72-7:

Exposure routes: Inhalation

Target Organs: Respiratory system

Assessment: May cause respiratory irritation., The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with respiratory tract irritation.

Aspiration toxicity

Components:

5989-27-5:

May be fatal if swallowed and enters airways.

Further information

Product:

Remarks: No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

34398-01-1:

Toxicity to fish : Remarks: No data available

Toxicity to daphnia and other aquatic invertebrates : Remarks: No data available

Safety Data Sheet

Startex Painters Hand Towel

Version 1.1

Revision Date: 08/09/2016

- Toxicity to algae : Remarks: No data available
- Acute aquatic toxicity- Assessment : Toxic to aquatic life.
- Chronic aquatic toxicity- Assessment : Toxic to aquatic life with long lasting effects.
- 1300-72-7:**
- Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 1,580 mg/l
Exposure time: 96 h
Test Type: flow-through test
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 1,020 mg/l
Exposure time: 48 h
Test Type: flow-through test
- Toxicity to algae : NOEC (Desmodesmus subspicatus (Scenedesmus subspicatus)): 40 mg/l
End point: Biomass
Exposure time: 72 h
Test Type: Growth inhibition
- 5989-27-5:**
- Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 0.702 mg/l
Exposure time: 96 h
Test Type: flow-through test
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.36 mg/l
Exposure time: 48 h
Test Type: static test
- Toxicity to algae : EC50 (Desmodesmus subspicatus (green algae)): 150 mg/l
Exposure time: 72 h
Test Type: static test
- M-Factor (Acute aquatic toxicity) : 1
- Acute aquatic toxicity- Assessment : Very toxic to aquatic life.
- Chronic aquatic toxicity- Assessment : Very toxic to aquatic life with long lasting effects.

Persistence and degradability

Components:

- 1300-72-7:**
- Biodegradability : Inoculum: Activated sludge, domestic, adaption not specified
Exposure time: 28 d
Remarks: Readily biodegradable



Safety Data Sheet

Startex Painters Hand Towel

Version 1.1

Revision Date: 08/09/2016

5989-27-5:
Biodegradability : aerobic
Result: Readily biodegradable

Bioaccumulative potential

Components:

1300-72-7:
Partition coefficient: n-octanol/water : log Pow: -3.12 (20 °C)
pH: 11.96

5989-27-5:
Partition coefficient: n-octanol/water : log Pow: 4.57

log Pow: 4.38 (37 °C)
pH: 7.2

Mobility in soil

No data available

Other adverse effects

Product:

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 : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Toxic to aquatic life with long lasting effects.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Dispose of in accordance with all applicable local, state and federal regulations.
For assistance with your waste management needs - including disposal, recycling and waste stream reduction, contact NEXEO's Environmental Services Group at 800-637-7922.

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



Safety Data Sheet

Startex Painters Hand Towel

Version 1.1

Revision Date: 08/09/2016

SECTION 14. TRANSPORT INFORMATION

DOT (Department of Transportation): Not regulated as a dangerous good

IATA (International Air Transport Association): Not regulated as a dangerous good

IMDG-Code: Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION

WHMIS Classification : D2B: Toxic Material Causing Other Toxic Effects

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : No SARA Hazards

SARA 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

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.

Clean Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

US State Regulations

Massachusetts Right To Know

No components are subject to the Massachusetts Right to Know Act.



Safety Data Sheet

Startex Painters Hand Towel

Version 1.1

Revision Date: 08/09/2016

New Jersey Right To Know

34398-01-1	Poly(oxy-1,2-ethanediyl), .alpha.-undecyl-.omega.-hydroxy-	1 - 5 %
1300-72-7	Benzenesulfonic acid, dimethyl-, sodium salt (1:1)	1 - 5 %
5989-27-5	d-Limonene	1 - 5 %
68478-95-5	Ethoxylated alkylamine	1 - 5 %

California Prop 65

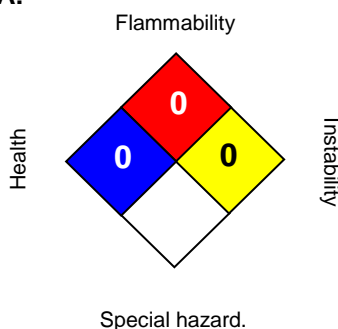
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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

- TSCA : On TSCA Inventory
- DSL : All components of this product are on the Canadian DSL

SECTION 16. OTHER INFORMATION

NFPA:



HMIS III:

HEALTH	0
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 =Slight,
2 = Moderate, 3 = High
4 =Extreme, * = Chronic

The information accumulated is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made become available subsequently to the date hereof, we do not assume any responsibility for the results of its use. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This MSDS has been prepared by NEXEO™ Solutions EHS Product Safety Department (1-855-429-2661) MSDS@nexeosolutions.com.

Revision Date : 08/09/2016

Material number:
16101967,

Key or legend to abbreviations and acronyms used in the safety data sheet			
ACGIH	American Conference of Gov-	LD50	Lethal Dose 50%



Safety Data Sheet Startex Painters Hand Towel

Version 1.1

Revision Date: 08/09/2016

	ernment Industrial Hygienists		
AICS	Australia, Inventory of Chemical Substances	LOAEL	Lowest Observed Adverse Effect Level
DSL	Canada, Domestic Substances List	NFPA	National Fire Protection Agency
NDSL	Canada, Non-Domestic Substances List	NIOSH	National Institute for Occupational Safety & Health
CNS	Central Nervous System	NTP	National Toxicology Program
CAS	Chemical Abstract Service	NZIoC	New Zealand Inventory of Chemicals
EC50	Effective Concentration	NOAEL	No Observable Adverse Effect Level
EC50	Effective Concentration 50%	NOEC	No Observed Effect Concentration
EGEST	EOSCA Generic Exposure Scenario Tool	OSHA	Occupational Safety & Health Administration
EOSCA	European Oilfield Specialty Chemicals Association	PEL	Permissible Exposure Limit
EINECS	European Inventory of Existing Chemical Substances	PICCS	Philippines Inventory of Commercial Chemical Substances
MAK	Germany Maximum Concentration Values	PRNT	Presumed Not Toxic
GHS	Globally Harmonized System	RCRA	Resource Conservation Recovery Act
>=	Greater Than or Equal To	STEL	Short-term Exposure Limit
IC50	Inhibition Concentration 50%	SARA	Superfund Amendments and Reauthorization Act.
IARC	International Agency for Research on Cancer	TLV	Threshold Limit Value
IECSC	Inventory of Existing Chemical Substances in China	TWA	Time Weighted Average
ENCS	Japan, Inventory of Existing and New Chemical Substances	TSCA	Toxic Substance Control Act
KECI	Korea, Existing Chemical Inventory	UVCB	Unknown or Variable Composition, Complex Reaction Products, and Biological Materials
<=	Less Than or Equal To	WHMIS	Workplace Hazardous Materials Information System
LC50			Lethal Concentration 50%