

Well-Worth Products, Inc. 180 Dutton St. Buffalo, NY, 14211 USA

# **Safety Data Sheet**

# WellWipe

Version 1.7 Revision Date: 10/14/2014

#### **SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : WellWipe Concentrated Windshield Washer Anti-Freeze

**Product Use** : Washer Solvent : 700312, 700355 **Product Code** 

Manufacturer or supplier's details

Company : Well•Worth Products, Inc.

Address 180 Dutton Avenue

Buffalo, NY 14211

United States of America

**Emergency telephone number:** 

CHEMTREC: 800.424.9300 USA

**Additional Infor-**: SDS Requests: 1-800-890-7935

mation: SDS Requests Fax: 1-716-597-0217

Website: www.wellworthproducts.com

#### **SECTION 2. HAZARDS IDENTIFICATION**

**GHS Classification** 

Flammable liquids : Category 2

Acute toxicity (Oral) : Category 3

Acute toxicity

(Inhalation)

: Category 3

Acute toxicity (Dermal) : Category 3

Carcinogenicity : Category 2

Reproductive toxicity : Category 2

icity - single exposure

Specific target organ tox- : Category 1 (Eyes, Central nervous system)

**GHS Label element** 

MSDS Number: 10000002748 WellWipe 1 / 20

# WellWipe

Version 1.7 Revision Date: 10/14/2014

Hazard pictograms







Signal word : Danger

Hazard statements : H225 Highly flammable liquid and vapour.

H301 + H311 + H331 Toxic if swallowed, in contact

with skin or if inhaled

H351 Suspected of causing cancer.

H361 Suspected of damaging fertility or the unborn

child.

H370 Causes damage to organs (Eyes, Central nervous

system).

Precautionary statements : **Prevention:** 

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have

been read and understood.

P210 Keep away from heat, hot surfaces, sparks, open

flames and other ignition sources. No smoking.

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ ventilating/

lighting/ equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static

discharge.

P260 Do not breathe dust/ fume/ gas/ mist/ vapours/

spray.

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this

product.

P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/ eye protection/ face

protection.

P281 Use personal protective equipment as required.

Response:

P301 + P310 + P330 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician. Rinse mouth. P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse

skin with water/ shower.

P304 + P340 + P311 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician. P307 + P311 IF exposed: Call a POISON CENTER or

doctor/ physician.

P363 Wash contaminated clothing before reuse.

# WellWipe

Version 1.7 Revision Date: 10/14/2014

P370 + P378 In case of fire: Use dry sand, dry chemical

or alcohol-resistant foam for extinction.

Storage:

P403 + P233 Store in a well-ventilated place. Keep

container tightly closed.

P403 + P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved

waste disposal plant.

#### **Potential Health Effects**

**Carcinogenicity:** 

**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 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 antici-

pated carcinogen by NTP.

#### **Emergency Overview**

Appearance	liquid
Colour	colourless, clear
Odour	mild, alcohol-like
Hazard Summary	No information available.

#### **SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture : Pure substance

#### **Hazardous components**

CAS-No.	Chemical Name	Concentration (%)
67-56-1	Methanol	90 - 100

MSDS Number: 100000002748 3 / 20 WellWipe

# WellWipe

Version 1.7 Revision Date: 10/14/2014

Molecular formula : C-H4-O

**Synonyms**: Methyl alcohol,

#### **SECTION 4. FIRST AID MEASURES**

General advice : Move out of dangerous area.

Consult a physician.

Show this safety data sheet to the doctor in attend-

ance.

Do not leave the victim unattended.

Consult a physician.

If inhaled : If unconscious place in recovery position and seek

medical advice.

If symptoms persist, call a physician.

In case of skin contact : If on skin, rinse well with water.

If on clothes, remove clothes.

Take off contaminated clothing and shoes immediate-

ly.

Take victim immediately to hospital.

In case of eye contact : Flush eyes with water as a precaution.

Remove contact lenses. Protect unharmed eye.

Keep eye wide open while rinsing.

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 per-

son.

If symptoms persist, call a physician. Take victim immediately to hospital.

Never give anything by mouth to an unconscious per-

son.

If accidentally swallowed obtain immediate medical

attention.

#### **SECTION 5. FIREFIGHTING MEASURES**

Suitable extinguishing

media

: Alcohol-resistant foam Carbon dioxide (CO2)

MSDS Number: 100000002748 4 / 20 WellWipe

# WellWipe

Version 1.7 Revision Date: 10/14/2014

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.

Do not use a solid water stream as it may scatter and

spread fire.

Cool closed containers exposed to fire with water

spray.

Hazardous combustion

products

: No hazardous combustion products are known

Specific extinguishing

methods

: Use a water spray to cool fully closed containers.

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 regu-

lations.

For safety reasons in case of fire, cans should be

stored separately in closed containments.

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local requ-

lations.

Special protective equipment for firefighters

: Wear self-contained breathing apparatus for fire-

fighting if necessary.

In the event of fire, wear self-contained breathing

apparatus.

#### NFPA Flammable and Combustible Liquids Classification:

Flammable Liquid Class IB

#### **SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas.

MSDS Number: 100000002748 5 / 20 WellWipe

# WellWipe

Version 1.7 Revision Date: 10/14/2014

> Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

: Use personal protective equipment.

Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Material can create slippery conditions.

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.

Local authorities should be advised if significant spillages cannot be contained.

Methods and materials for containment and cleaning up

: Contain spillage, and then collect with noncombustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

Keep in suitable, closed containers for disposal. Clean contaminated floors and objects thoroughly while observing environmental regulations.

#### **SECTION 7. HANDLING AND STORAGE**

Advice on safe handling

: Avoid formation of aerosol.

Do not breathe vapours/dust.

Avoid exposure - obtain special instructions before

IISE

Avoid contact with skin and eyes. For personal protection see section 8.

Smoking, eating and drinking should be prohibited in the application area.

Take precautionary measures against static discharg-

Provide sufficient air exchange and/or exhaust in work

Container may be opened only under exhaust ventilation hood.

Open drum carefully as content may be under pressure.

Dispose of rinse water in accordance with local and national regulations.

Avoid contact with skin and eyes.

# WellWipe

Version 1.7 Revision Date: 10/14/2014

For personal protection see section 8.

Smoking, eating and drinking should be prohibited in

the application area. Keep away from heat.

Conditions for safe stor-

age

: No smoking.

Keep container tightly closed in a dry and well-

ventilated place.

Containers which are opened must be carefully re-

sealed and kept upright to prevent leakage.

Observe label precautions.

Electrical installations / working materials must com-

ply with the technological safety standards.

#### **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

#### **Components with workplace control parameters**

CAS-No.	Components	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
67-56-1	Methanol	TWA	200 ppm	ACGIH
		STEL	250 ppm	ACGIH
		TWA	200 ppm 260 mg/m3	NIOSH REL
		ST	250 ppm 325 mg/m3	NIOSH REL
		TWA	200 ppm 260 mg/m3	OSHA Z-1
		STEL	250 ppm 325 mg/m3	OSHA P0
		TWA	200 ppm 260 mg/m3	OSHA P0

### **Biological occupational exposure limits**

Components	CAS-No.	Control parame-ters	Biological specimen	Sam- pling time	Permissi- ble con- centration	Basis
Methanol	67-56-1	Methanol	Urine	End of shift (As soon as possible after expo- sure ceases)	15 mg/l	ACGIH BEI

MSDS Number: 100000002748 7 / 20 WellWipe

# WellWipe

Version 1.7 Revision Date: 10/14/2014

#### Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally

required.

In the case of vapour formation use a respirator with

an approved filter.

Hand protection

Remarks : The suitability for a specific workplace should be dis-

cussed with the producers of the protective gloves.

Eye protection : Eye wash bottle with pure water

Tightly fitting safety goggles

Safety glasses

Ensure that eyewash stations and safety showers are

close to the workstation location.

Skin and body protection : impervious clothing

Choose body protection according to the amount and concentration of the dangerous substance at the work

place.

impervious clothing

Protective measures : Wear suitable protective equipment.

Avoid contact with skin.

When using do not eat, drink or smoke.

Hygiene measures : Avoid contact with skin, eyes and clothing.

When using do not eat or drink. When using do not smoke.

Wash hands before breaks and immediately after

handling the product.

Avoid contact with skin, eyes and clothing.

Wash hands before breaks and immediately after

handling the product.

Remove contaminated clothing and protective equip-

ment before entering eating areas.

#### **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : liquid

Colour : colourless, clear

Odour : mild, alcohol-like

Odour Threshold : 4.2 - 8940 ppm

MSDS Number: 100000002748 8 / 20 WellWipe

# WellWipe

Version 1.7 Revision Date: 10/14/2014

pH : No data available

Freezing Point (Melting

point/freezing point)

: -97.8 °C (-144.0 °F)

Boiling Point (Boiling

point/boiling range)

: 64 °C (147 °F)

Flash point :  $11 \, ^{\circ}\text{C} \, (52 \, ^{\circ}\text{F})$ 

Evaporation rate : 5.9

n-Butyl Acetate

Flammability (solid, gas) : No data available

Burning rate : No data available

Upper explosion limit : 36.5 %(V)

Lower explosion limit : 6 %(V)

Vapour pressure : 96 mmHg @ 20 °C (68 °F)

Relative vapour density : 1.01 @ 15 - 20 °C (59 - 68 °F)

AIR=1

Relative density : 0.791 - 0.793Reference substance: (water = 1)

Density : No data available

Bulk density : No data available

Solubility(ies)

Water solubility : completely soluble

Solubility in other sol-

vents

: soluble

Solvent: Benzene

soluble

Solvent: Alcohol

soluble

Solvent: Chloroform

Partition coefficient: n-

octanol/water

: log Pow: -0.82 - -0.66

Auto-ignition temperature : No data available

MSDS Number: 100000002748 9 / 20 WellWipe

# WellWipe

Version 1.7 Revision Date: 10/14/2014

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

reactions

: Vapours may form explosive mixture with air.

Conditions to avoid : Heat, flames and sparks.

Extremes of temperature and direct sunlight.

#### **SECTION 11. TOXICOLOGICAL INFORMATION**

#### **Acute toxicity**

#### **Components:**

67-56-1:

Acute oral toxicity : LD50 (rat): 100 mg/kg

Assessment: The component/mixture is toxic after

single ingestion.

Acute inhalation toxicity : LC50 (rat): 5 mg/l

Assessment: The component/mixture is toxic after

short term inhalation.

Acute dermal toxicity : LD50 (rabbit): 300 mg/kg

Assessment: The component/mixture is toxic after

single contact with skin.

#### Skin corrosion/irritation

#### Components:

67-56-1:

Species: rabbit

Result: No skin irritation

# WellWipe

Version 1.7 Revision Date: 10/14/2014

#### Serious eye damage/eye irritation

#### **Components:**

67-56-1:

Species: rabbit

Result: No eye irritation

#### Respiratory or skin sensitisation

#### **Components:**

67-56-1:

Test Type: Maximisation Test (GPMT)

Species: guinea pig

Method: OECD Test Guideline 406

Result: Did not cause sensitisation on laboratory animals.

#### Germ cell mutagenicity

#### **Components:**

67-56-1:

: Test Type: DNA damage and/or repair Genotoxicity in vitro

Metabolic activation: with and without metabolic acti-

vation

Result: Ambiguous

: Test Type: In vivo micronucleus test Genotoxicity in vivo

Test species: mouse (male and female)

Cell type: Bone marrow

Application Route: Intraperitoneal

Exposure time: Single

Dose: 0, 1920, 3200, 4480 mg/kg

Result: negative

Germ cell mutagenicity-

Assessment

: Tests on bacterial or mammalian cell cultures did not

show mutagenic effects.

#### Carcinogenicity

#### **Components:**

67-56-1:

sessment

Carcinogenicity - As- : Suspected human carcinogens

#### Reproductive toxicity

#### **Components:**

67-56-1:

Effects on fertility : Test Type: Two-generation study

Species: rat, male and female

MSDS Number: 10000002748 WellWipe 11 / 20

# WellWipe

Version 1.7 Revision Date: 10/14/2014

Application Route: Inhalation Dose: 0, 0.013, 0.13, 1.3 mg/L Duration of Single Treatment: 20 h

General Toxicity - Parent: NOAEC: 1.3 mg/l General Toxicity F1: NOAEC: 0.13 mg/l

Fertility: NOAEC: 1.3 mg/l

Symptoms: Effects on postnatal development. Result: Animal testing did not show any effects on

fertility.

Effects on foetal devel-

opment

: Species: rat

Application Route: inhalation (vapour) Dose: 0, 6.65, 13.3, 26.6 mg/L Duration of Single Treatment: 20 d Frequency of Treatment: 7 hr/day

General Toxicity Maternal: NOAEC: 13.3 mg/L

Teratogenicity: NOAEC: 6.65 mg/L

Result: Teratogenic effects.

Reproductive toxicity -

Assessment

: Some evidence of adverse effects on sexual function and fertility, and/or on development, based on animal

experiments.

# STOT - single exposure Product: No data available

#### **Components:**

67-56-1:

<b>Exposure routes:</b>	Target Organs:	Assessment:	Remarks:
	Eyes, Central nerv- ous system	Causes damage to organs., The substance or mixture is classified as specific target organ toxicant, single exposure, category 1.	

#### **STOT - repeated exposure**

**Product:** No data available

#### **Components:**

**67-56-1:**No data available

#### Repeated dose toxicity

#### Components:

67-56-1:

Species: mouse, male and female

NOAEL: 1.3 mg/l

# WellWipe

Version 1.7 Revision Date: 10/14/2014

Application Route: Inhalation Exposure time: 12 mths

Number of exposures: Continuous Dose: 0, 0.013, 0.13, 1.3 mg/L

#### Aspiration toxicity

#### **Further information**

#### **Product:**

Remarks: Solvents may degrease the skin.

#### **SECTION 12. ECOLOGICAL INFORMATION**

#### **Ecotoxicity**

# Components:

67-56-1:

Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): 15,400

mg/l

Exposure time: 96 h

Test Type: flow-through test

Toxicity to daphnia and

other aquatic inverte-

brates

: EC50 (Daphnia magna (Water flea)): > 10,000 mg/l

Exposure time: 48 h Test Type: static test

Toxicity to algae : EC50 (Scenedesmus capricornutum (fresh water al-

gae)): 22,000 mg/l End point: Growth rate Exposure time: 96 h Test Type: static test

Method: OECD Test Guideline 201

Toxicity to bacteria : IC50 (activated sludge): > 1,000 mg/l

End point: Growth rate Exposure time: 3 h Test Type: Static

Method: OECD Test Guideline 209

#### Persistence and degradability

#### Components:

67-56-1:

Biodegradability : aerobic

Result: Readily biodegradable.

MSDS Number: 100000002748 13 / 20 WellWipe

# WellWipe

Version 1.7 Revision Date: 10/14/2014

Biodegradation: 72 %

Remarks: Readily biodegradable

Biochemical Oxygen De-

mand (BOD)

: 600 - 1,120 mg/g

Chemical Oxygen De-

mand (COD)

: 1,420 mg/g

BOD/COD : BOD: 600 - 1120COD: 1420

Stability in water : Hydrolysis: 91 % at19 °C(72 h)

Remarks: Hydrolyses on contact with water.

Hydrolyses readily.

#### **Bioaccumulative potential**

#### **Components:**

67-56-1:

Bioaccumulation : Species: Cyprinus carpio (Carp)

Bioconcentration factor (BCF): 1.0

Exposure time: 72 d Temperature: 20 °C Concentration: 5 mg/l

Remarks: This substance is not considered to be very

persistent nor very bioaccumulating (vPvB).

Partition coefficient: n-

octanol/water

: log Pow: -0.77

#### **Mobility in soil**

No data available

#### Other adverse effects

No data available

**Product:** 

Regulation 40 CFR Protection of Environment; Part 82 Protection

of Stratospheric Ozone - CAA Section 602 Class I Sub-

stances

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 in-

formation

: No data available

MSDS Number: 100000002748 14 / 20 WellWipe

# WellWipe

Version 1.7 Revision Date: 10/14/2014

#### **SECTION 13. DISPOSAL CONSIDERATIONS**

#### **Disposal methods**

Waste from residues : Do not dispose of waste into sewer.

Do not contaminate ponds, waterways or ditches with

chemical or used container.

Send to a licensed waste management company.

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.

Dispose of wastes in an approved waste disposal fa-

cility.

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**

**IATA (International Air Transport Association)**: UN1230, METHANOL, 3 (6.1), II, Flash Point:11 °C(52 °F)

IMDG (International Maritime Dangerous Goods): UN1230, METHANOL, 3, (6.1), II

DOT (Department of Transportation): UN1230, Methanol, 3, II

#### **SECTION 15. REGULATORY INFORMATION**

**OSHA Hazards** : Flammable liquid, Toxic by ingestion, Toxic by skin

absorption, Carcinogen, Teratogen, Reproductive

hazard

WHMIS Classification : B2: Flammable liquid

D1B: Toxic Material Causing Immediate and Serious

Toxic Effects

D2A: Very Toxic Material Causing Other Toxic Effects

MSDS Number: 100000002748 15 / 20 WellWipe

### WellWipe

Version 1.7 Revision Date: 10/14/2014

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

#### **CERCLA Reportable Quantity**

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Methanol	67-56-1	5000	5000

#### **SARA 304 Extremely Hazardous Substances Reportable Quantity**

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

SARA 311/312 : Fire Hazard

**Hazards** Acute Health Hazard

Chronic Health Hazard

**SARA 302** : SARA 302: No chemicals in this material are subject

to the reporting requirements of SARA Title III,

Section 302.

**SARA 313** : The following components are subject to reporting

levels established by SARA Title III, Section 313:

67-56-1 Methanol 100 %

#### **Clean Air Act**

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 12 (40 CFR 61):

67-56-1 Methanol 100 %

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).

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489):

67-56-1 Methanol 100 %

#### **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. Clean-Water 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**

67-56-1 Methanol 90 - 100 %

Pennsylvania Right To Know

67-56-1 Methanol 90 - 100 %

**New Jersey Right To Know** 

MSDS Number: 100000002748 16 / 20 WellWipe

# WellWipe

Version 1.7 Revision Date: 10/14/2014

67-56-1 Methanol 90 - 100 %

**California Prop 65** WARNING: This product contains a chemical known to

the State of California to cause birth defects or other

reproductive harm.

67-56-1 Methanol

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

	,	, <del>,</del>
1907/2006 (EU)	:	n (Negative listing) (Not in compliance with the inventory)
Switzerland. New notified substances and declared preparations	:	y (positive listing) (The formulation contains substances listed on the Swiss Inventory)
United States TSCA Inventory	:	y (positive listing) (On TSCA Invento- ry)
Canadian Domestic Substances List (DSL)	:	y (positive listing) (All components of this product are on the Canadian DSL.)
Australia Inventory of Chemical Substances (AICS)	:	y (positive listing) (On the inventory, or in compliance with the inventory)
New Zealand. Inventory of Chemical Substances	:	y (positive listing) (On the inventory, or in compliance with the inventory)
Japan. ENCS - Existing and New Chemical Substances Inventory	:	y (positive listing) (On the inventory, or in compliance with the inventory)
Japan. ISHL - Inventory of Chemical Substances (METI)	:	y (positive listing) (On the inventory, or in compliance with the inventory)
Korea. Korean Existing Chemicals Inventory (KECI)	:	y (positive listing) (On the inventory,

# WellWipe

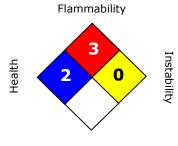
Version 1.7 Revision Date: 10/14/2014

		or in compliance with the inventory)
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	:	y (positive listing) (On the inventory, or in compliance with the inventory)
China. Inventory of Existing Chemical Substances in China (IECSC)	:	y (positive listing) (On the inventory, or in compliance with the inventory)

#### **SECTION 16. OTHER INFORMATION**

### **Further information**

#### NFPA:



Special hazard.

#### **HMIS III:**

HEALTH	2*
FLAMMABILITY	3
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,

2 = Moderate, 3 = High

4 =Extreme, \* = Chronic

**Legecy MSDS:** R0001447, 140000001042

#### **Material number:**

20298, 160329, 20303, 16056428, 16061973, 16061181, 16056425, 16056426, 16056427, 16055184, 16053934, 16049742, 16048212, 16047323, 16039562,

MSDS Number: 100000002748 18 / 20 WellWipe

### WellWipe

Version 1.7 Revision Date: 10/14/2014

16034861, 16032613, 16031073, 16024445, 16024444, 16021152, 16018469, 16016316, 779915, 743459, 736115, 730007, 730006, 717897, 716726, 713298, 710534, 699273, 695309, 695256, 694361, 689940, 690224, 682513, 638917, 627702, 625491, 602665, 600798, 554053, 554376, 554361, 554308, 554052, 554159, 546854, 546132, 508417, 122681, 136311, 117978, 132227, 131334, 146769, 161018, 118306, 116867, 117981, 145658, 161021, 144602, 130207, 130736, 131538, 159527, 115232, 82339, 160328, 82470, 115098, 159524, 115229, 143136, 508297, 504381, 504224, 501342, 39841, 22244, 22243, 20305, 20304, 20302, 20301, 20300, 20299, 20297, 500031

Key or legend to abbreviations and acronyms used in the safety data sheet				
ACGIH	American Conference of Government Industrial Hygienists	LD50	Lethal Dose 50%	
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	Philipines 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 Compositon, Complex Reaction Products, and Biological Materials	
<=	Less Than or Equal To	WHMIS	Workplace Hazardous Materials Information System	
LC50		Lethal Conc	entration 50%	

MSDS Number: 100000002748 19 / 20 WellWipe

# WellWipe

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#### Disclaimer:

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