



SAFETY DATA SHEET

Issue Date 20-May-2015

Revision Date 20-May-2015

Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name 4x Laundry Detergent

Product Code MSDS-AC

Recommended Use Consumer use
Detergent

Supplier Address

Method Products Inc.
637 Commercial St
Suite 300
San Francisco, CA 94111
866-963-8463

2. HAZARDS IDENTIFICATION

ATTENTION

Emergency Overview

May produce an allergic reaction
May cause skin irritation and/or dermatitis

Appearance translucent, amber **Physical state** Liquid. **Odor** Pleasant

Potential health effects

Principle Routes of Exposure Skin Contact

Acute toxicity

Eyes

Avoid contact with eyes. Direct contact with eyes poses risk of serious damage

Skin

Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

May cause inflammation

Inhalation

Not an expected route of exposure.

Ingestion

Intentional ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea

CHRONIC EFFECTS

Avoid repeated exposure. Repeated contact may cause allergic reactions in very susceptible persons

Aggravated Medical Conditions

Allergies
Skin disorders

Interactions with Other Chemicals

Irritants
Sensitizers
Epoxies

Environmental hazard See Section 12: Ecological Information

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Sulfuric acid, mono-C10-16-alkyl esters, sodium salts	68585-47-7	10-30
C12-16 pareth-9	68551-12-2	5-10
Sodium Lauryl Sulfate	151-21-3	5-10
PEG 600 Decyl Ether	26183-52-8	1-5
PEG 300 Monoctyl Ether	27252-75-1	1-5
Soya methyl ester ethoxylate	864529-51-1	1-5
Potassium Cocoate	61789-30-8	1-5

4. FIRST AID MEASURES

General advice	If symptoms persist, call a physician.
Eye Contact	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice
Skin Contact	Wash off immediately with plenty of water.
Inhalation	Remove to fresh air.
Ingestion	Do NOT induce vomiting. Clean mouth with water and drink plenty of water. Get medical attention
Note to physicians	Treat symptomatically
Self-protection of the first aider	Use personal protective equipment as required

5. FIRE-FIGHTING MEASURES

Flammable properties	Not flammable
Flash Point Method	Not determined
Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment
<u>Explosion data</u>	
Sensitivity to Mechanical Impact	None
Sensitivity to Static Discharge	None
Specific hazards arising from the product	In the event of fire and/or explosion do not breathe fumes. May cause sensitization by inhalation and skin contact. Thermal decomposition can lead to release of irritating and toxic gases and vapors
Protective equipment and precautions for firefighters	Wear self contained breathing apparatus for fire fighting if necessary
<u>NFPA</u>	Health hazards 1 Flammability 0 Stability 0 Physical and Chemical Properties -

HMIS Health hazards 1 Flammability 0 Physical hazards 0 Personal protection -

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Avoid contact with eyes.
Environmental precautions	Avoid release to the environment
Methods for containment	Prevent further leakage or spillage if safe to do so
Methods for cleaning up	Take up mechanically, placing in appropriate containers for disposal.

7. HANDLING AND STORAGE

Advice on safe handling	Avoid contact with eyes. Keep container closed when not in use.
Storage Conditions	Keep out of the reach of children. Keep container tightly closed in a dry and well-ventilated place

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

For Household Settings	This product is safe for consumers and other users under normal and reasonably foreseen use.
For Occupational Settings	Use safety goggles if splash hazards exist. Avoid prolonged contact with skin and clothing. Always follow good hygienic work practices.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid	Color	translucent and Colored
Odor	Pleasant		
Property	Values	Remarks • Method	
pH	7.9 - 8.3		
Melting point / freezing point	< 0 °C		
Boiling point / boiling range	> 100 °C		
Flash Point	Not established		
Evaporation rate	> 1.00 (water = 1)		
Flammability (solid, gas)			
Flammability Limit in Air			
Upper Flammability Limit	Not flammable		
Lower flammability limit	Not flammable		
Vapor pressure	2.27 kPa @ 20 °C		
Vapor density	Not established		
Specific Gravity	1.06		
Water solubility	completely soluble		
Autoignition temperature	Not established		
Decomposition temperature	Not established		
Kinematic viscosity	Not Determined		
Dynamic viscosity	80 - 150 cP @ 25°C		
Explosive properties	Not an explosive		
Oxidizing properties	None		
VOC Content (%)	0		
Bulk density	No information available		

10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions
Incompatible materials	None known based on information supplied
Conditions to Avoid	None known based on information supplied
Hazardous Decomposition Products	None known based on information supplied
Hazardous polymerization	Hazardous polymerization does not occur

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product Information	Product does not present an acute toxicity hazard based on known or supplied information
Eye Contact	Direct contact with eyes poses risk of serious damage
Skin Contact	Prolonged or repeated contact may dry skin and cause irritation
Ingestion	Intentional ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium Lauryl Sulfate	= 977 mg/kg (Rat)	= 580 mg/kg (Rat)	

Chronic toxicity

Chronic toxicity	Avoid repeated exposure. Repeated contact may cause allergic reactions in very susceptible persons
Target Organ Effects	Not expected

12. ECOLOGICAL INFORMATION

Ecotoxicity

Considering the limited amount applied during normal use and the size of the container, the risk of adverse environmental effects is considered small.

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Sodium Lauryl Sulfate	117: 96 h Pseudokirchneriella subcapitata mg/L EC50	10.2 - 22.5: 96 h Pimephales promelas mg/L LC50 semi-static 4.3 - 8.5: 96 h Oncorhynchus mykiss mg/L LC50 static	1.8: 48 h Daphnia magna mg/L EC50
Lactic Acid	3.5: 70 h Pseudokirchneriella subcapitata mg/L EC50	100 - 180: 96 h Lepomis macrochirus mg/L LC50 static 100 - 180: 96 h Oncorhynchus mykiss mg/L LC50 static 320: 96 h Brachydanio rerio mg/L LC50 semi-static	180 - 320: 48 h Daphnia magna mg/L EC50 Static 240: 48 h Daphnia magna mg/L EC50
Isopropanolamine	23: 72 h Desmodesmus subspicatus mg/L EC50		108.82: 48 h Daphnia magna Straus mg/L EC50
Phenoxyethanol	500: 72 h Desmodesmus subspicatus mg/L EC50	220 - 460: 96 h Leuciscus idus mg/L LC50 static 337 - 352: 96 h Pimephales promelas mg/L LC50 flow-through	500: 48 h Daphnia magna mg/L EC50

Calcium Chloride		10650: 96 h Lepomis macrochirus mg/L LC50 static	2400: 48 h Daphnia magna mg/L LC50
Propylene Glycol		41 - 47: 96 h Oncorhynchus mykiss m/L/L LC50 static 710: 96 h Pimephales promelas mg/L LC50	
Disodium Distyrylbiphenyl Disulfonate	10.0 - 11.0: 96 h Desmodemus subspicatus mg/L EC50 10: 72 h Desmodemus subspicatus mg/L EC50	76: 96 h Brachydanio rerio mg/L LC50 static	1000: 48 h Daphnia magna mg/L EC50

Persistence and degradability The surface active components used in this product are readily biodegradable.

Chemical Name	Partition coefficient
Sodium Lauryl Sulfate	1.6
Benzisothiazolinone	1.3

13. DISPOSAL CONSIDERATIONS

Contaminated packaging Dispose of in accordance with federal, state and local regulations. Recover or recycle if possible.

14. TRANSPORT INFORMATION

DOT Not regulated

TDG Not regulated

MEX Not regulated

ICAO (air) Not regulated

IATA Not regulated

IMDG Not regulated

RID Not regulated

ADR Not regulated

ADN Not regulated

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Sulfuric acid, mono-C10-16-alkyl esters, sodium salts	Present	X		Present		Present	X	Present	X	X
Genapol LA060	Present	X				Present	X	Present	X	X
Sodium Lauryl Sulfate Solid (95%)	Present	X		Present		Present	X	Present	X	X
PEG 300 Monoctyl Ether	Present	X				Present	X	Present		X
Soya methyl ester ethoxylate	Present	X								
Potassium Cocoate	Present	X		Present		Present	X	Present	X	X
subtilisin	Present	X		Present			X	Present	X	X
C11-15 Pareth 90	Present	X				Present	X	Present	X	X
Benzisothiazolinone	Present	X		Present		Present	X	Present	X	X

Alpha Amylase Concentrate (Bacterial)	Present	X		Present			X	Present	X	X
Methylisothiazolinone	Present	X		Present		Present	X	Present	X	X

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65

Complies

U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania
Glycerin	X	X	X

International Regulations

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR

WHMIS Hazard Class

Non-controlled

WHMIS Note Class D2B - Skin/Eye Irritation reversible damage

16. OTHER INFORMATION

Issue Date 20-May-2015
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Revision Note No information available

End of Safety Data Sheet