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Safety Data Sheet Soft & Fluffy

1. IDENTIFICATION

CAS# Blend
 Material Use Fabric Softener

IN AN EMERGENCY CALL: INFOTRAC 1-800-535-5053

2. HAZARD IDENTIFICATION

GHS Class (Category)	skin irritant (3)	eye irritation (2B)	
Signal Words	WARNING no Pictogram	WARNING no Pictogram	NOTE: level of hazard does not warrant a Pictogram.
Hazard Statements	causes mild skin irritation (H316)	causes eye irritation (H320)	

GHS Precautionary Statements for Labeling

P262 Do not get in eyes, on skin or on clothing.
 P264 Wash thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P280 Wear eye protection, protective gloves and clothing of nitrile.
 P313 & P333 If skin irritation or rash occurs, get medical advice/attention.

3. COMPOSITION

	CAS NUMBER	%	TLV ppm / mg/m ³	LD ₅₀ (mg/kg) ORAL	LD ₅₀ (mg/kg) SKIN	LC ₅₀ ppm INHALATION
Methyl Sulfate Quaternary Amine	68410-69-5	5-10%	not listed	20,000	>2000	not known
Water	7732-18-5	balance	not toxic	90,000	not toxic	not toxic

NOTE: Several other components are either present at 0.1% or less (color, preservative), or are non-toxic and present at below 1% (scent).

4. FIRST AID

SKIN: Wash with plenty of water. Remove contaminated clothing and do not reuse until thoroughly laundered. Seek medical help promptly if there is persistent itching or redness in the affected area.

EYES: Wash eyes with plenty of water, holding eyelids open. Seek medical assistance if there is any irritation.

INHALATION: Remove from contaminated area promptly. CAUTION: Rescuer must not endanger himself! If victim's breathing stops, administer artificial respiration and seek medical aid promptly.

INGESTION: Give plenty of water to dilute product. Do not induce vomiting (NOTE below). Keep victim quiet. If vomiting occurs, lower victim's head below hips to prevent inhalation of vomited material. Seek medical help promptly.

NOTE: Inadvertent inhalation of vomited material may seriously damage the lungs. The danger of this is greater than the risk of poisoning through absorption of this low-toxicity product. The stomach should only be emptied under medical supervision, after the installation of an airway to protect the lungs.

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5. FLAMMABILITY & FIRE-FIGHTING

Flash Point	will not flash
Autoignition Temperature	not flammable
Flammable Limits	not flammable
Combustion Products	carbon monoxide, nitrogen oxides, part oxidized hydrocarbon fragments
Firefighting Precautions	as for materials sustaining fire; compatible with water; firefighters must wear SCBA
Static Discharge	cannot accumulate a static charge

6. ACCIDENTAL RELEASE MEASURES

Leak Precaution	dike to control spillage and prevent environmental contamination
Handling Spill	recover free liquid with suitable pumps; absorb residue on an inert sorbent, sweep, shovel & store in closed containers for disposal

7. HANDLING & STORAGE

No special storage instructions. Always replace drum, pail or IBC cap prior to moving the container!

Avoid generating or breathing product vapor or mist. If mist or vapor form in use, install adequate ventilation to clear workplace air. Avoid prolonged contact with skin. Wash work clothes frequently. An eye bath should be available near the workplace.

8. EXPOSURE CONTROL & PERSONAL PROTECTION

ACGIH TLV	not listed	ACGIH STEL	not listed
OSHA PEL	not listed	OSHA STEL	not listed
Ventilation	no special mechanical ventilation required		
Hands	nitrile gloves recommended – <i>confirm suitability with supplier</i>		
Eyes	safety glasses with side shields – <i>always protect eyes!</i>		
Clothing	no special protective clothing required		

9. PHYSICAL AND CHEMICAL PROPERTIES

NOTE: for Flash Point, Autoignition Temperature & Flammable Limits see Part 5.

Odor & Appearance	clear, pink, liquid with baby powder odor
Odor Threshold	not known
Vapor Pressure	as for water
Evaporation Rate (<i>Butyl Acetate = 1</i>)	as for water
Vapor Density (air = 1)	0.6 (<i>water</i>) – <i>no other volatile components present</i>
Boiling Point	100°C / 212°F
Freezing Point	0°C / 32°F
Decomposition Temperature	not known
Specific Gravity	0.995 – 1.005 (20/20°C)
Water Solubility	complete
Log P _{o/w} (<i>Octanol/H₂O Partition Coefficient</i>)	not known
Viscosity	not known – <i>thin mobile liquid</i>
pH	4.5 to 6.0

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10. REACTIVITY

Dangerously Reactive With	not known
Also Reactive With	not known
Chemical Stability	stable; will not polymerize
Decomposes in Presence of	not known to decompose up to 100°C / 212°F
Decomposition Products	none apart from Hazardous Combustion Products
Mechanical Impact	not sensitive

11. TOXICITY INFORMATION

i. ACUTE EXPOSURE

Skin Contact	slightly irritating
Skin Absorption	yes, slowly; toxic effects unlikely by this route
Eye Contact	may irritate
Inhalation	no known effect
Ingestion	no known effect
LD ₅₀ (oral)	>200,000mg/kg (rat) – <i>manufacturer's data</i>
LD ₅₀ (skin)	>20,000 (rabbit)
LC ₅₀ (inhalation)	not known – <i>no symptoms known</i>

ii. CHRONIC EXPOSURE

General	no symptoms known
Sensitizing	not a sensitizer
Carcinogen/Tumorigen	not known to be a tumorigen or a carcinogen in humans or animals
Reproductive Effect	no known effect on humans or animals
Mutagen	not known to be a mutagen or teratogen in humans or animals
Synergistic With	not known

12. ECOLOGICAL INFORMATION

Methyl Sulfate Quaternary Amine:

Bioaccumulation	not known – <i>water-soluble substances do not usually bioaccumulate</i>
Biodegradation	biodegrades readily in the presence of oxygen – <i>manufacturer's statement</i>
Abiotic Degradation	not known
Mobility in soil, water	water soluble; moves readily through soil & the water column

Aquatic Toxicity

LC ₅₀ (Fish 96 hr)	0.62mg/litre (<i>species not named</i>)
LC ₅₀ (Crustacea, 48hr)	0.3mg/litre (<i>Daphnia magna</i>)
EC ₅₀ (Algae, 96hr)	1.33mg/litre (<i>species not named</i>)
LC ₅₀ (Microorganisms)	not known – <i>if the substance is readily biodegradable (above) it cannot be highly toxic to sewage bacteria</i>

13. DISPOSAL CONSIDERATIONS

Waste Disposal	do not flush to sewer; may be incinerated in approved facility with flue gas monitoring & scrubbing, mix with a suitable flammable waste before incineration
Containers	Drums should be reused. Recondition and pressure test by a licensed reconditioner prior to re-use. Pails must be vented and thoroughly dried prior to crushing and recycling. IBCs (intermediate bulk containers): polyethylene bottle must be pressure tested & recertified at 30 months. Replace at 60 months (5 years). Steel containers must be inspected, pressure tested & recertified every 5 years. Warning: never cut, drill, weld or grind on or near this container, even if empty.

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14. TRANSPORT INFORMATION

USA 49 CFR & Canada/International TDG

Product Identification Number

Shipping Name

Classification

Marine Pollution

Reportable Quantity (RQ)

UN – not regulated for transport

not regulated for transport

not regulated for transport

not a marine pollutant

none

15. REGULATIONS

Canada DSL on inventory

U.S.A. TSCA on inventory

Europe EINECS on inventory

16. OTHER INFORMATION

Date of Preparation March 2015

Date of Revision -

Prepared for Tomco-Harwel, by **Peter Bursztyn**

With data from the Registry of Toxic Effects of Chemical Substances (RTECS), Hazardous Substance Data Base (HSDB), Cheminfo (CCOHS), OSHA, IUCLID Datasheets (European Chemical Substance Information System - ESIS), & others sources (below if used), as required/available

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