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Safety Data Sheet Extraction Cleaner

1. IDENTIFICATION

Synonyms none
 CAS# see Part 3, below
 Material Use carpet cleaner

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

2. HAZARD IDENTIFICATION

GHS Class (Category)	skin irritant (2)	eye irritation (2A)
Signal Words	WARNING	WARNING
Hazard Statements	causes skin Irritation (H315)	causes severe eye irritation (H319)



GHS Precautionary Statements for Labeling

P262, P264 Do not get in eyes or on skin. Wash thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P280 Wear eye protection and protective gloves of nitrile, neoprene or butyl.
 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
Sodium Polyacrylate	9003-04-7	5-10%	not listed	40,000	not toxic	not toxic
Alkyl Naphthalene Sulfonate, sodium salt	on request	5-10%	not listed	not known	not known	not known
Dipropylene Glycol Monoethyl Ether (DPM)	34590-94-8	1-5%	100/600 (skin)	>5120	>9500	not known
Nonionic Copolymer Surfactant	on request	1-5%	not listed	>5000	not known	not known
Water	7732-18-5	balance	not toxic	90,000	not toxic	not toxic

4. FIRST AID

SKIN: Wash with plenty of water. Remove contaminated clothing and do not reuse until 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 persistent 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 non-toxic 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	cannot flash
Autoignition Temperature	cannot flash
Flammable Limits	cannot flash
Combustion Products	oxides of carbon, nitrogen, sulphur; 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

Store and use above freezing, away from oxidizing agents. Never cut, drill, weld or grind on or near this container, whether empty or full. Always replace drum, pail or IBC cap prior to moving the container!

Avoid generating or breathing product mist. If mist forms in use, install adequate ventilation to clear workplace air. If dealing with a spill, and ventilation is impractical, wear a suitable respirator. Avoid contact with skin and wash work clothes frequently. An eye bath should be available near the workplace.

8. EXPOSURE CONTROL & PERSONAL PROTECTION

Dipropylene Glycol Methyl Ether:

ACGIH TLV	100ppm / 606mg/m ³	ACGIH STEL	150ppm / 909mg/m ³
OSHA PEL	100ppm / 600mg/m ³	OSHA STEL	150ppm / 900mg/m ³
Ventilation	no special mechanical ventilation required		
Hands	wear neoprene, nitrile or butyl gloves – <i>other types also protect; always confirm suitability with supplier</i>		
Eyes	safety glasses with side shields or chemical goggles – <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, colorless, liquid with a lemon 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 (water), 5.1 (<i>glycol ether DPM</i>) – <i>no other volatiles present</i>
Boiling Point	approx. 105°C / 221°F
Freezing Point	approx. -5°C / 23°F
Decomposition Temperature	not known
Specific Gravity	1.127 (20/20°C)
Water Solubility	complete
Viscosity	centipoise (20°C / 68°F)
pH	7 – 8.8

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10. REACTIVITY

Dangerously Reactive With	none known
Also Reactive With	strong oxidizing agents
Chemical Stability	stable; will not polymerize
Decomposes in Presence of	none known
Decomposition Products	none apart from Hazardous Combustion Products
Mechanical Impact	not sensitive

11. TOXICITY INFORMATION**i. ACUTE EXPOSURE**

Skin Contact	irritating; prolonged exposure may cause dermatitis
Skin Absorption	yes, slowly; toxic effects unlikely by this route
Eye Contact	may be severely irritating
Inhalation	product mist may irritate
Ingestion	irritating to mouth, throat & stomach – <i>not a route of industrial exposure</i>
Calculated LD ₅₀ (oral)	65,000mg/kg (rat)
LD ₅₀ (skin)	<i>insufficient information to calculate</i>
LC ₅₀ (inhalation)	<i>insufficient information to calculate</i>

ii. CHRONIC EXPOSURE

General	prolonged or repeated exposure may cause dermatitis
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**Sodium Polyacrylate:**

Bioaccumulation	poorly absorbed and water soluble; will not bioaccumulate
Biodegradation	biodegrades slowly & incompletely; rate not known
Abiotic Degradation	not known
Mobility in soil, water	water soluble but, readily precipitated on contact with magnesium or calcium ions in soil or water

Aquatic Toxicity

LC ₅₀ (Fish 96 hr)	56,000mg/liter (<i>species of fish not given</i>)
LC ₅₀ (Crustacea, 48hr)	6000mg/liter (<i>Daphnia magna</i>)
EC ₅₀ (Algae, 72hr)	>100mg/liter (<i>species not given</i>)
LC ₅₀ (Microorganisms)	not known

Alkyl Naphthalene Sulfonate, sodium salt: (*information below for similar substance*)

Bioaccumulation	water soluble, cannot bioaccumulate
Biodegradation	biodegrades in the presence of oxygen; 29%, 49% & 51% in 28 days
Abiotic Degradation	no data available
Mobility in soil, water	water soluble; moves readily through soil & the water column

Aquatic Toxicity

LC ₅₀ (Fish 96 hr)	35-35mg/liter (<i>Danio rerio</i>)
LC ₅₀ (Crustacea, 48hr)	>100mg/liter (<i>Daphnia magna</i>)
EC ₅₀ (Algae, 96hr)	810mg/liter (<i>Pseudokirchnerella subcapitata</i>)
LC ₅₀ (Microorganisms)	650mg/liter (<i>domestic sewage sludge</i>)

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12. ECOLOGICAL INFORMATION, cont'd***Dipropylene Glycol Monoethyl Ether:***

Bioaccumulation	water soluble – cannot bioaccumulate; <i>also rapid rate of elimination/metabolism</i>
Biodegradation	biodegrades readily in the presence of oxygen; 34% in 28 days, 73% in 28 days, 93% in 13 days
Abiotic Degradation	direct photolysis is reported to cause destruction with a ½-life of 3.4 hours
Mobility in soil, water	water soluble; moves readily in soil and water
Aquatic Toxicity	
LC ₅₀ (Fish, 96hr)	>10,000mg/liter (Pimephales promelas), 150mg/liter (Nothropis atherinoides – 72hr)
LC ₅₀ (Crustacea, 48hr)	1920mg/liter (Daphnia magna), >1000mg/liter (Crangon crangon – 96hr)
EC ₅₀ (Algae)	not known
EC ₁₀ (Bacteria)	4168mg/liter (Pseudomonas putida) – <i>this is an EC₁₀ not an EC₅₀</i>

Nonionic Copolymer Surfactant:

Bioaccumulation	this surfactant does not appear to bioaccumulate – <i>manufacturer's statement</i>
Biodegradation	this surfactant biodegrades readily in the presence of oxygen; >60% in 28 days (OECD 301B)
Abiotic Degradation	not known
Mobility in soil, water	water insoluble, but presence of other ingredients may allow ready movement in soil & the water column
Aquatic Toxicity	
LC ₅₀ (Fish, 96 hr)	>100mg/liter (Leuciscus idus) – <i>manufacturer's information</i>
LC ₅₀ (Crustacea, 48hr)	>100mg/liter (Daphnia magna) – <i>manufacturer's information</i>
EC ₅₀ (Algae, 96hr)	>100mg/liter (<i>species not given</i>) – <i>manufacturer's information</i>
EC ₅₀ (Microorganisms)	not known – <i>not expected to inhibit sewage treatment bacteria – manufacturer's statement</i>

13. DISPOSAL CONSIDERATIONS

Waste Disposal	do not flush undiluted to sewer; mix with a suitable flammable waste before incineration in approved facility with flue gas monitoring & scrubbing
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.

14. TRANSPORT INFORMATION***USA 49 CFR & Canada/International TDG***

Product Identification Number	UN – not regulated for transport
Shipping Name	not regulated for transport
Classification	not regulated for transport
Marine Pollution	not a marine pollutant
Reportable Quantity (RQ)	none

15. REGULATIONS

Canada DSL	on inventory
U.S.A. TSCA	on inventory
Europe EINECS	on inventory

16. OTHER INFORMATION

Date of Preparation April 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

last page of SDS**PLEASE ENSURE THAT THIS SDS IS GIVEN TO, AND EXPLAINED TO PEOPLE USING THIS PRODUCT.****EMERGENCY INFORMATION: INFOTRAC 1-800-535-5053**