



1610 N 170 E Ave. Tulsa Oklahoma 74116
 Tel: 918-439-4329 Fax: 918-439-4203
 Toll-Free 1-888-834-2001
 www.tomco-harwel.com; www.summitprochem.com



Safety Data Sheet Extraction Rinse

1. IDENTIFICATION

Synonyms none
 CAS# see Part 3, below
 Material Use pH neutralizing carpet rinse

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

2. HAZARD IDENTIFICATION

GHS Class (Category)	skin irritant (2)	eye irritation (2A)	aquatic chronic (3)
Signal Words	WARNING	WARNING	no Signal Word no Pictogram
Hazard Statements	causes skin irritation (H315)	causes severe eye irritation (H319)	harmful to aquatic life with long-lasting effects (H412)



GHS Precautionary Statements for Labeling

P262, P264 Do not get in eyes or on skin. Wash thoroughly after handling.
 P270, P280 Do not eat, drink or smoke when using this product. Wear eye protection and protective gloves of nitrile.
 P273, P391 Avoid release to the environment. Collect spillage.
 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
Citric Acid	77-92-9	5%	not listed	3000	not known	not known
Alkylbenzenesulfonic Acid	85536-14-7	2.5%	not listed	above 500	not known	not known
Nonionic Surfactant	127087-87-0	2.5%	not listed	>2000	not known	not known
Water	7732-18-5	balance	not toxic	90,000	not toxic	not toxic

4. FIRST AID

SKIN: Wash with soap and 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 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.

cont'd next page

PLEASE ENSURE THAT THIS SDS IS GIVEN TO, AND EXPLAINED TO PEOPLE USING THIS PRODUCT.



EMERGENCY INFORMATION: INFOTRAC 1-800-535-5053

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	ventilate contaminated area; recover free liquid with explosion-proof pumps; absorb residue on an inert sorbent, pick up using non-sparking plastic or aluminium shovel, & store in closed containers for disposal

7. HANDLING & STORAGE

Store and use above freezing and 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. Avoid 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 – <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	slightly hazy, colorless, odorless liquid
Odor Threshold	not known – odorless
Vapor Pressure	as for water
Evaporation Rate (<i>Butyl Acetate = 1</i>)	as for water
Vapor Density (air = 1)	0.6 (water) – <i>no other components are volatile</i>
Boiling Point	approx. 105 °C / 221°F
Freezing Point	-5°C / 23°F
Decomposition Temperature	not known
Specific Gravity	1.005-1.020 (20/20°C)
Water Solubility	complete
Viscosity	not known – <i>thin mobile liquid</i>
pH	2 – 3 – <i>acidic liquid</i>

cont'd next page

PLEASE ENSURE THAT THIS SDS IS GIVEN TO, AND EXPLAINED TO PEOPLE USING THIS PRODUCT.



EMERGENCY INFORMATION: INFOTRAC 1-800-535-5053

10. REACTIVITY

Dangerously Reactive With	strong oxidizing agents
Also Reactive With	none known
Chemical Stability	stable; will not polymerize
Decomposes in Presence of	heat cannot cause decomposition until all water content has evaporated
Decomposition Products	none apart from Hazardous Combustion Products
Mechanical Impact	not sensitive

11. TOXICITY INFORMATION

i. ACUTE EXPOSURE

Skin Contact	irritating
Skin Absorption	yes, slowly; toxic effects unlikely by this route
Eye Contact	may be severely irritating, may damage eyes
Inhalation	may irritate respiratory passages
Ingestion	irritating to mouth, throat & stomach – <i>not a route of industrial exposure</i>
Calculated LD ₅₀ (oral)	>12,600mg/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 through removal of protective skin oils
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

Citric Acid:

Bioaccumulation	rapidly metabolized by all living (plant or animal) tissue; cannot bioaccumulate
Biodegradation	biodegrades readily & rapidly in the presence of oxygen; various results available from 85% in 24 hours to 100% in 19 days
Abiotic Degradation	reacts with atmospheric hydroxyl radicals; estimated ½-life in air is 55hr
Mobility in soil, water	water soluble; moves readily in soil and water

Aquatic Toxicity

LC ₅₀ (Fish, 96hr)	1516mg/liter (Lepomis macrochirus), 440-760mg/liter (Leuciscus idus)
EC ₅₀ (Crustacea, 72hr)	120mg/liter (Daphnia magna)
EC ₃ (Algae, 7 day)	640mg/liter (Scenedesmus quadricauda) – <i>This is an EC₃ not an EC₅₀!</i>
EC ₅₀ (Bacteria)	>10,000mg/liter (Pseudomonas putida)

Sodium Alkylbenzene Sulfonic Acid:

Bioaccumulation	does not bioaccumulate ¹
Biodegradation	readily biodegradable; 69% to 90% in 28 days (<i>various linear benzene sulfonates tested</i>) ¹
Abiotic Degradation	not known
Mobility in soil, water	water soluble; moves readily in soil and the water column

Aquatic Toxicity

LC ₅₀ (Fish, 96 hr)	2.9-13mg/liter (<i>various species</i>) ¹
EC ₅₀ (Crustacea, 48 hr)	1.62mg/liter (Daphnia magna) ¹
EC ₅₀ (Algae, 72 hr)	29mg/liter (Selenastrum capricornutum) ¹

cont'd next page

PLEASE ENSURE THAT THIS SDS IS GIVEN TO, AND EXPLAINED TO PEOPLE USING THIS PRODUCT.



EMERGENCY INFORMATION: INFOTRAC 1-800-535-5053

12. ECOLOGICAL INFORMATION, cont'd**Nonionic Surfactant – nonylphenol ethoxylate NP-9:**

Bioaccumulation	the surfactant does not bioaccumulate; <i>however, the breakdown product, unethoxylated nonylphenol, is poorly water soluble & may accumulate</i>
Biodegradation	34% in 20 days to di- & mono-ethoxylate; <i>these latter compounds resist further biodegradation (below)</i>
Abiotic Degradation	may react with atmospheric hydroxyl (OH) radicals; low volatility – a minor degradation route
Mobility in soil, water	sufficiently water soluble to move readily through soil and the water column
Aquatic Toxicity	
LC ₅₀ (Fish, 96 hr)	2.1-2.6mg/liter (Pimephelas promelas), 13.9-19.5mg/liter (Poecilia reticulata – 48hr)
LC ₅₀ (Crustacea, 48hr)	3.8-6.2 & 18.2mg/liter (Daphnia magna), 20.9mg/liter (Gammarus pulex)
EC ₅₀ (Algae, 96hr)	15mg/liter (Lemna minor), 7mg/liter (Scenedesmus quadricauda)

NOTE: The Nonylphenol Ethoxylate class of compounds biodegrade to estrogenic hormone mimics in the environment & may lead to instances of reproductive failure in shore birds, amphibia & fish. (For further information, see Notes in Part XV, Regulations)

13. DISPOSAL CONSIDERATIONS

Waste Disposal	do not flush undiluted to sewer; incinerate 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.

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
ERAP Required	No
Reportable Quantity (RQ)	none

15. REGULATIONS

Canada DSL	on inventory
U.S.A. TSCA	on inventory
Europe EINECS	all components on inventory – the use of NP-9 nonylphenol ethoxylate is strictly limited

U.S.A. Regulations:

In the USA, the EPA mounted (August 18, 2010) an “action plan” for nonylphenol ethoxylates: See the *Nonylphenol & Nonylphenol Ethoxylates Action Plan Summary*, <http://www.epa.gov/oppt/existingchemicals/pubs/actionplans/np-npe.html> AND http://www.epa.gov/oppt/existingchemicals/pubs/actionplans/RIN2070-ZA09_NP-NPEs%20Action%20Plan_Final_2010-08-09.pdf

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

(1) **OECD SIDS Initial Assessment Report on “Linear Alkylbenzene Sulfonates”, Paris, April 2005:**

<http://webnet.oecd.org/hpv/ui/handler.axd?id=5b837fb0-350c-4742-914e-5f6513df120a>

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