Material Safety Data Sheet: OFF THE WALL

Supercedes Date Not applicable **Issuing Date** 10/12/2009

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name OFF THE WALL
Recommended Use Cleaning agent

Information on Manufacturer
MANTEK, DIVISION OF NCH CORP.
BOX 152170
IRVING, TEXAS 75015

Product Code 0309
Chemical Nature Alcohols and Amines (as an emulsion)

Emergency Telephone Number
CHEMTREC ® 800-424-9300

2. HAZARDS IDENTIFICATION

Emergency Overview
Warning
Combustible liquid and vapor
Severe skin irritation
Severe eye irritation
May cause allergic skin reaction
Harmful if inhaled
Harmful or fatal if swallowed

Color Yellow - Amber **Physical State** Liquid **Odor** Ether-like

Potential Health Effects

Principle Route of Exposure Skin contact, Eye contact, Inhalation.

Primary Routes of Entry Inhalation, Skin Absorption, Ingestion.

Acute Effects

Eyes Severe eye irritant.

Skin Severe skin irritant. May be absorbed through the skin in harmful amounts. May cause allergic skin reaction. Blood disorder may occur after prolonged skin contact. Prolonged exposure can be harmful for certain organs, e.g. liver, kidneys, blood, nervous system and skin.

Inhalation Causes respiratory tract irritation. Blood disorder may occur after prolonged inhalation. May cause central nervous system depression. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Acidosis.

Ingestion Irritating to mouth, throat, and stomach. Ingestion causes damage of central nervous system, liver, kidneys, blood and bone marrow. Acidosis. Aspiration hazard if swallowed - can enter lungs and cause damage. May be fatal if swallowed and enters airways.

Chronic Toxicity May cause sensitization by skin contact, Liver and kidney injuries may occur, Contains a known or suspected reproductive toxin, Repeated absorption may cause disorder of central nervous system, liver, kidneys and blood, May cause disorder and damage to the spleen, bloody urine.

Target Organ Effects Central nervous system, Hematopoietic System, Kidney, Liver, Respiratory system, Testes, spleen, Lymphatic System, Bone Marrow, Blood, Heart.

Aggravated Medical Conditions Neurological disorders, Kidney disorders, Liver disorders, Blood disorders, Respiratory disorders, Skin disorders, Heart disease.

Potential Environmental Effects See Section 12 for additional Ecological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No
Propylene glycol monomethyl ether acetate	108-65-6
1,3,5-Trimethylbenzene	108-67-8
Diethanolamine	111-42-2
2-Butoxyethanol	111-76-2
Dimethyl glutarate	1119-40-0
Potassium hydroxide	1310-58-3
Ethanolamine	141-43-5
Naphtha (petroleum), heavy aromatic	64742-94-5
Terpene hydrocarbons	68956-56-9
Naphthalene	91-20-3
Pseudocumene	95-63-6
Cocamide DEA	68603-42-9

4. FIRST AID MEASURES

General Advice Avoid contact with skin, eyes, and clothing. Avoid breathing vapors, mist, or gas.

Eye Contact Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention immediately.

Skin Contact Remove immediately all contaminated clothing. Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately.

Inhalation Move to fresh air. Get medical attention immediately.

Ingestion Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately. Never give anything by mouth to an unconscious person.

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point 112°F/44°C **Method** Seta closed cup

Autoignition Temperature No information available.

Flammability Limits in Air % Solvent mixture. Hydrogen, by reaction with metals. **Upper** 75 **Lower** 0.8

Suitable Extinguishing Media
Foam. Alcohol-resistant foam. Carbon dioxide (CO2). Dry chemical. Water spray. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific Hazards Arising from the Chemical
Solvent vapors are heavier than air and may spread along floors. Vapors may ignite and explode. Material can create slippery conditions.

Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA	**Health** 3	**Flammability** 2	**Instability** 0
HMIS	**Health** 3	**Flammability** 2	**Instability** 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Use personal protective equipment. Remove all sources of ignition. Ensure adequate ventilation. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.

Environmental Precautions Do not flush into surface water or sanitary sewer system.

Methods for Containment Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

Methods for Cleaning Up Pick up and transfer to properly labeled containers.

Neutralizing Agent Not applicable.

7. HANDLING AND STORAGE

Handling Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Avoid contact with skin, eyes, and clothing. Avoid breathing vapors, mist or gas.

Storage Keep away from open flames, hot surfaces and sources of ignition. Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.

Storage Temperature **Minimum** 35°F/2°C **Maximum** 120°F/49°C

Storage Conditions **Indoor** X **Outdoor** **Heated** **Refrigerated**

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH
Propylene glycol monomethyl ether acetate	No data available	No data available	No data available
1,3,5-Trimethylbenzene	TWA: 25 ppm	No data available	TWA: 125 mg/m^3 TWA: 25 ppm
Diethanolamine	Skin TWA: 1 mg/m^3	No data available	TWA: 15 mg/m^3 TWA: 3 ppm
2-Butoxyethanol	TWA: 20 ppm	TWA: 240 mg/m^3 TWA: 50 ppm Skin	IDLH: 700 ppm TWA: 24 mg/m^3 TWA: 5 ppm
Dimethyl glutarate	No data available	No data available	No data available
Potassium hydroxide	Ceiling: 2 mg/m^3	No data available	Ceiling: 2 mg/m^3
Ethanolamine	STEL: 6 ppm TWA: 3 ppm	TWA: 6 mg/m^3 TWA: 3 ppm	IDLH: 30 ppm TWA: 3 ppm TWA: 8 mg/m^3 STEL 15 mg/m^3 STEL 6 ppm
Naphtha (petroleum), heavy aromatic	No data available	No data available	No data available
Terpene hydrocarbons	No data available	No data available	No data available
Naphthalene	Skin STEL: 15 ppm TWA: 10 ppm	TWA: 50 mg/m^3 TWA: 10 ppm	IDLH: 250 ppm TWA: 10 ppm TWA: 50 mg/m^3 STEL 15 ppm STEL 75 mg/m^3
Pseudocumene	TWA: 25 ppm	No data available	TWA: 125 mg/m^3 TWA: 25 ppm
Cocamide DEA	No data available	No data available	No data available

Engineering Measures Use with local exhaust ventilation. Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye/Face Protection Tightly fitting safety goggles.

Skin Protection Wear suitable protective clothing, Impervious gloves.

Respiratory Protection In case of inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

General Hygiene Considerations Wear protective gloves/clothing. Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid	**Viscosity**	Non viscous
Color	Yellow - Amber	**Odor**	Ether-like
Appearance	Transparent	**pH**	@ 10% - 9.4
Specific Gravity	0.947	**Evaporation Rate**	0.13 (Butyl acetate=1)
Percent Volatile (Volume)	84	**VOC Content (%)**	81.1
VOC Photoreactive (Y/N)	Yes	**VOC Content (g/l)**	770
Vapor Pressure	6.6 mmHg @ 70 °F	**Vapor Density**	1.3 (Air = 1.0)
Solubility	Emulsifiable	**Boiling Point/Range**	330°F/166°C

10. STABILITY AND REACTIVITY

Chemical Stability Stable. Hazardous polymerization does not occur.

Conditions to Avoid Keep away from open flames, hot surfaces, and sources of ignition.

Incompatible Products Strong oxidizing agents, Acid anhydrides, Rubber products, Halogenated hydrocarbon, Vinyl compounds, Phosphorus compounds, Potassium, Ketones, Acids, Acrolein, Metal nitrates , Contact with metals liberates hydrogen gas.

Hazardous Decomposition Products Carbon oxides, Nitrogen oxides (NOx), Potassium, Ammonia, Amines, Aldehydes, Organic acids.

Possibility of Hazardous Reactions None under normal processing.

11. TOXICOLOGICAL INFORMATION

Product Information No information available.

Component Information

Acute toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Propylene glycol monomethyl ether acetate	8532 mg/kg (Rat)	5000 mg/kg (Rabbit)	no data available	no data available	no data available

1,3,5-Trimethylbenzene	5000 mg/kg (Rat) 8970 mg/kg (Rat)	no data available	24 g/m^3 (Rat) 4 h	no data available	no data available
Diethanolamine	620 µL/kg (Rat)	7640 µL/kg (Rabbit)	no data available	no data available	no data available
2-Butoxyethanol	470 mg/kg (Rat)	2270 mg/kg (Rat) 220 mg/kg (Rabbit)	2.21 mg/L (Rat) 4 h 450 ppm (Rat) 4 h	no data available	no data available
Dimethyl glutarate	8191 mg/kg (Rat)	no data available	5.6 mg/L (Rat) 4 h	no data available	no data available
Potassium hydroxide	214 mg/kg (Rat)	no data available	no data available	no data available	no data available
Ethanolamine	1720 mg/kg (Rat)	1 mL/kg (Rabbit) 1025 mg/kg (Rabbit)	no data available	no data available	no data available
Naphtha (petroleum), heavy aromatic	5000 mg/kg (Rat)	2000 mg/kg (Rabbit)	590 mg/m^3 (Rat) 4 h	no data available	no data available
Terpene hydrocarbons	no data available	no data available	no data available	no data available	no data available
Naphthalene	490 mg/kg (Rat)	2500 mg/kg (Rat) 20 g/kg (Rabbit)	340 mg/m^3 (Rat) 1 h	no data available	no data available
Pseudocumene	8970 mg/kg (Rat) 3400 mg/kg (Rat)	3160 mg/kg (Rabbit)	18 g/m^3 (Rat) 4 h	no data available	no data available
Cocamide DEA	12400 µL/kg (Rat)	no data available	no data available	no data available	no data available

Chronic Toxicity

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Propylene glycol monomethyl ether acetate	no data available	no data available	no data available	no data available	no data available
1,3,5-Trimethylbenzene	no data available	no data available	no data available	no data available	eyes, CNS, respiratory system, skin, blood
Diethanolamine	no data available	Skin sensitization	no data available	no data available	eyes, respiratory system, skin
2-Butoxyethanol	no data available	no data available	no data available	X	liver, kidneys, lymphoid system, skin, blood, eyes, CNS, respiratory system, hematopoietic system
Dimethyl glutarate	no data available	no data available	no data available	no data available	no data available
Potassium hydroxide	no data available	no data available	no data available	no data available	eyes, respiratory system, skin
Ethanolamine	no data available	Skin sensitization	no data available	no data available	eyes, CNS, respiratory system, skin
Naphtha (petroleum), heavy aromatic	no data available	no data available	no data available	no data available	CNS
Terpene hydrocarbons	no data available	Skin sensitization	no data available	no data available	CNS, Bone marrow, lungs
Naphthalene	no data available	Skin Sensitization	no data available	no data available	eyes, blood, liver, kidneys, skin, CNS
Pseudocumene	no data available	no data available	no data available	no data available	eyes, CNS, respiratory system, skin, blood
Cocamide DEA	no data available	no data available	no data available	no data available	no data available

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen

Component	ACGIH	IARC	NTP	OSHA	Other
Propylene glycol monomethyl ether acetate	not applicable	not applicable	not applicable	not applicable	not applicable
1,3,5-Trimethylbenzene	not applicable	not applicable	not applicable	not applicable	not applicable
Diethanolamine	A3	not applicable	not applicable	not applicable	not applicable
2-Butoxyethanol	A3	not applicable	not applicable	not applicable	not applicable
Dimethyl glutarate	not applicable	not applicable	not applicable	not applicable	not applicable
Potassium hydroxide	not applicable	not applicable	not applicable	not applicable	not applicable
Ethanolamine	not applicable	not applicable	not applicable	not applicable	not applicable
Naphtha (petroleum), heavy aromatic	not applicable	not applicable	not applicable	not applicable	not applicable
Terpene hydrocarbons	not applicable	not applicable	not applicable	not applicable	not applicable
Naphthalene	not applicable	Group 2B	Reasonably Anticipated	X	not applicable
Pseudocumene	not applicable	not applicable	not applicable	not applicable	not applicable
Cocamide DEA	not applicable	not applicable	not applicable	not applicable	not applicable

12. ECOLOGICAL INFORMATION

Product Information No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Propylene glycol monomethyl ether acetate	no data available	96 Hr LC50 Pimephales promelas: 161 mg/L [static]	no data available	48 Hr EC50 Daphnia magna: >500 mg/L	0.43
1,3,5-Trimethylbenzene	no data available	96 Hr LC50 Pimephales promelas: 7.72 mg/L [flow-through] 96 Hr LC50 Pimephales promelas: 3.48 mg/L	no data available	24 Hr EC50 Daphnia magna: 50 mg/L	N/A
Diethanolamine	72 Hr EC50 Desmodesmus subspicatus: 7.8 mg/L; 96 Hr EC50 Pseudokirchneriella subcapitata: 2.1 - 2.3 mg/L	96 Hr LC50 Pimephales promelas: 4460-4980 mg/L [flow-through]; 96 Hr LC50 Pimephales promelas:1200-1580 mg/L [static]; 96 Hr LC50 Lepomis macrochirus:600-1000 mg/L [static]	EC50 = 73 mg/L 5 min EC50 > 16 mg/L 16 h	48 Hr EC50 Daphnia magna: 55 mg/L	-2.18 at 25 °C
2-Butoxyethanol	no data available	96 Hr LC50 Lepomis macrochirus: 1490 mg/L [static]; 96 Hr LC50 Lepomis macrochirus:2950 mg/L	no data available	24 Hr EC50 Daphnia magna: 1698 - 1940 mg/L; 48 Hr EC50 Daphnia magna: >1000 mg/L	0.81 at 25 °C
Dimethyl glutarate	no data available	96 Hr LC50 Pimephales promelas: 19.6-26.2 mg/L [static]	no data available	48 Hr EC50 Daphnia magna: 122.1 - 163.5 mg/L	N/A
Potassium hydroxide	no data available	96 Hr LC50 Gambusia affinis: 80 mg/L [static]	no data available	no data available	0.65; 0.83
Ethanolamine	72 Hr EC50 Desmodesmus subspicatus: 15 mg/L	96 Hr LC50 Pimephales promelas: 227 mg/L [flow-through]; 96 Hr LC50 Brachydanio rerio:3684 mg/L [static]; 96 Hr LC50 Lepomis macrochirus:300-1000 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss:114-196 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss:>200 mg/L [flow-through]	EC50 = 110 mg/L 17 h EC50 = 12200 mg/L 2 h EC50 = 13.7 mg/L 30 min	48 Hr EC50 Daphnia magna: 65 mg/L	-1.91 at 25 °C
Naphtha (petroleum), heavy aromatic	72 Hr EC50 Skeletonema costatum: 2.5 mg/L	96 Hr LC50 Pimephales promelas: 19 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss:2.34 mg/L; 96 Hr LC50 Lepomis macrochirus:1740 mg/L [static]; 96 Hr LC50 Pimephales promelas:45 mg/L [flow-through]; 96 Hr LC50 Pimephales promelas:41 mg/L	no data available	48 Hr EC50 Daphnia magna: 0.95 mg/L	2.9-6.1
Terpene hydrocarbons	no data available	no data available	no data available	no data available	N/A
Naphthalene	72 Hr EC50 Skeletonema costatum: 0.4 mg/L	96 Hr LC50 Pimephales promelas: 5.74-6.44 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss:1.6 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss:0.91-2.82 mg/L [static]; 96 Hr LC50 Pimephales promelas:1.99 mg/L [static]; 96 Hr LC50 Lepomis macrochirus:31.0265 mg/L [static]	EC50 = 0.93 mg/L 30 min EC50 > 20 mg/L 18 h	48 Hr LC50 Daphnia magna: 2.16 mg/L; 48 Hr EC50 Daphnia magna: 1.96 mg/L [Flow through]; 48 Hr EC50 Daphnia magna: 1.09 - 3.4 mg/L [Static]	3.3 at 20 °C
Pseudocumene	no data available	96 Hr LC50 Pimephales promelas: 7.19-8.28 mg/L [flow-through] 96 Hr LC50 Pimephales promelas: 7.72 mg/L [flow-through]	no data available	48 Hr EC50 Daphnia magna: 6.14 mg/L	3.63
Cocamide DEA	no data available	96 Hr LC50 Brachydanio rerio: 3.6 mg/L [semi-static]	EC50 = 6000 mg/L 16 h	24 Hr EC50 Daphnia magna: 4.2 mg/L	N/A

Persistence and Degradability No information available.

Bioaccumulation No information available.
Mobility No information available.

13. DISPOSAL CONSIDERATIONS

Product Disposal Dispose of in accordance with local regulations.
Container Disposal Empty containers should be taken for local recycling, recovery or waste disposal.

14. TRANSPORT INFORMATION

DOT

Proper Shipping Name <119 Gals = NOT REGULATED >119Gals = Petroleum Distillates, N.O.S.
Hazard Class 3
UN-No UN1268
Packing Group III
Description UN1268, Petroleum Distillates, N.O.S.,(Naphtha), 3, III

TDG

Proper shipping name Petroleum Distillates, N.O.S.
Hazard Class 3
UN-No UN1268
Packing Group III
Description UN1268, Petroleum Distillates, N.O.S.,(Naphtha), 3, III

ICAO

UN-No UN1268
Proper Shipping Name Petroleum Distillates, N.O.S.
Hazard Class 3
Packing Group III
Shipping Description UN1268, Petroleum Distillates, N.O.S.,(Naphtha), 3, III

IATA

UN-No UN1268
Proper Shipping Name Petroleum Distillates, N.O.S.
Hazard Class 3
Packing Group III
Shipping Description UN1268, Petroleum Distillates, N.O.S.,(Naphtha), 3, III

IMDG/IMO

Proper Shipping Name Petroleum Distillates, N.O.S.
Hazard Class 3
UN-No UN1268
Packing Group III
Shipping Description UN1268, Petroleum Distillates, N.O.S.,(Naphtha), 3, III

15. REGULATORY INFORMATION

Inventories
TSCA Complies
DSL Complies

U.S. Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40n of the Code of Federal Regulations, Part 372

Component	CAS-No	Weight %	SARA 313 - Threshold Values
Diethanolamine	111-42-2	1-5	1.0
2-Butoxyethanol	111-76-2	30-60	1.0
Naphthalene	91-20-3	1-5	0.1
Pseudocumene	95-63-6	0.1-1	1.0

SARA 311/312 Hazardous Categorization

Acute Health Hazard	Chronic Health Hazard	Fire Hazard	Sudden Release of Pressure Hazard	Reactive Hazard
Yes	Yes	Yes	No	No

CERCLA

Component	Hazardous Substances RQs	CERCLA EHS RQs
Propylene glycol monomethyl ether acetate	Not applicable	Not applicable
1,3,5-Trimethylbenzene	Not applicable	Not applicable
Diethanolamine	100 lb	Not applicable
2-Butoxyethanol	Not applicable	Not applicable
Dimethyl glutarate	Not applicable	Not applicable
Potassium hydroxide	1000 lb	Not applicable
Ethanolamine	Not applicable	Not applicable
Naphtha (petroleum), heavy aromatic	Not applicable	Not applicable
Terpene hydrocarbons	Not applicable	Not applicable
Naphthalene	1 lb 100 lb	Not applicable
Pseudocumene	Not applicable	Not applicable
Cocamide DEA	Not applicable	Not applicable

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
B3 Combustible liquid, D1A Very toxic materials, D2A Very toxic materials, D2B Toxic materials.

16. OTHER INFORMATION

Prepared By	Mike McDowell
Supercedes Date	Not applicable
Issuing Date	10/12/2009
Reason for Revision	No information available.
Glossary	No information available.
List of References.	No information available.

MANTEK, DIVISION OF NCH CORP. assumes no responsibility for personal injury or property damage caused by the use, storage, or disposal of the product in a manner not recommended on the product label. Users assume all risks associated with such unrecommended use, storage or disposal of the product. The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.