

CUSTOMER: 327598  
BATCH #: 1749033  
PICK ZONE: EB01  
PRODUCT NAME: PAN MATE (SMALL), MM

ORDER #: 2044282  
DELIVERY ID: 13058341  
PICK SEQUENCE #: 8860  
BARCODE #: 10032948

## Safety Data Sheet: PAN MATE (SMALL), MM

Supersedes Date 01/25/2011

Issuing Date 08/08/2013

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** PAN MATE (SMALL), MM  
**Recommended use** Flow improver Rust and Corrosion inhibitor  
**Information on Manufacturer**  
CERTIFIED LABS, DIV. OF NCH CORP.  
BOX 152170  
IRVING, TEXAS 75015

**Product Code** 10032948  
**Chemical nature** solid mixture of Ammonium salts  
**Emergency Telephone Number**  
CHEMTREC® 800-424-9300  
**Telephone Inquiry**  
972-579-2477

### 2. HAZARD IDENTIFICATION

Color light green

Physical State Solid

Odor Sweet

#### GHS

##### Classification

##### Physical Hazards

None

##### Health Hazard

Acute Oral Toxicity

Skin Corrosion/Irritation

Serious Eye Damage/Eye Irritation

##### Other hazards

None

Category 4

Category 1

Category 1

#### Labeling

##### Signal Word

DANGER



##### Hazard Statements

H314 - Causes severe skin burns and eye damage

H302 - Harmful if swallowed

##### Precautionary Statements

P280 - Wear protective gloves, protective clothing, eye protection and face protection.

P270 - Do not eat, drink or smoke when using this product

P262 - Do not get in eyes, on skin, or on clothing

P264 - Wash face, hands and any exposed skin thoroughly after handling.

P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower

P333 + P313 - If skin irritation or rash occurs, get medical attention

P363 - Wash contaminated clothing before reuse

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 - If eye irritation persists, get medical attention.

P301 + P330 + P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a physician if unwell.

P403 + P233 - Store in a well-ventilated place. Keep container tightly closed

P501 - Dispose of contents and container in accordance with applicable regulations.

4 % of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No	Weight %
Sodium metasilicate	6834-92-0	30-60
N-(2-hydroxyethyl)-dodecanamide	142-78-9	30-60
Stearic acid	57-11-4	7-13

Benzenemethanaminium, N,N-dimethyl-N-tetradecyl-, chloride	139-08-2	7-13
Polydimethylsiloxane	63148-62-9	1-5
Alcohols, C9-11, ethoxylated	68439-46-3	1-5
2-Heptadecenyl-4,4(5H)-oxazolidimethanol	28984-69-2	1-5

#### 4. FIRST AID MEASURES

<b>General advice</b>	Do not get in eyes, on skin or on clothing.
<b>Eye Contact</b>	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.
<b>Skin Contact</b>	Wipe up with absorbent material (e.g. cloth, fleece). Wash off with soap and plenty of water. Get medical attention if irritation develops and persists. Wash contaminated clothing before re-use.
<b>Inhalation</b>	If inhaled, remove to fresh air. Get medical attention if symptoms occur.
<b>Ingestion</b>	Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention if symptoms occur.
<b>Notes to physician</b>	The product causes burns of eyes, skin and mucous membranes. Control of circulatory system, shock therapy if needed.

#### 5. FIRE-FIGHTING MEASURES

<b>Flash Point</b>	Does not flash	<b>Method</b>	Not applicable
<b>Flammability Limits in Air %</b>	Dust explosion properties.	<b>Upper</b>	No data available
<b>Suitable Extinguishing Media</b>		<b>Lower</b>	No data available
<b>Water spray.</b>	Foam. Carbon dioxide (CO <sub>2</sub> ). Dry chemical. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.		
<b>Specific hazards arising from the chemical</b>	Dust can form an explosive mixture in air.		
<b>Protective Equipment and Precautions for Firefighters</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear		
<b>NFPA</b>	Health 3	<b>Flammability</b>	1
<b>HMIS</b>	Health 3	<b>Flammability</b>	1
		<b>Instability</b>	0

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Use personal protective equipment. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.
<b>Environmental Precautions</b>	No special environmental precautions required.
<b>Methods for Containment</b>	Cover powder spill with plastic sheet or tarp to minimize spreading.
<b>Methods for Cleaning Up</b>	Pick up and arrange disposal without creating dust.
<b>Neutralizing Agent</b>	Acetic acid, diluted.

#### 7. HANDLING AND STORAGE

<b>Handling</b>	Do not get in eyes, on skin or on clothing.			
<b>Storage</b>	Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.			
<b>Storage Temperature</b>	<b>Minimum</b>	35 °F / 2 °C	<b>Maximum</b>	120 °F / 49 °C
<b>Storage Conditions</b>	<b>Indoor</b>	X	<b>Outdoor</b>	
			<b>Heated</b>	<b>Refrigerated</b>

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

##### Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH
Sodium metasilicate	No data available	No data available	No data available
N-(2-hydroxyethyl)-dodecanamide	No data available	No data available	No data available
Stearic acid	No data available	No data available	No data available
Benzenemethanaminium, N,N-dimethyl-N-tetradecyl-, chloride	No data available	No data available	No data available
Polydimethylsiloxane	No data available	No data available	No data available
Alcohols, C9-11, ethoxylated	No data available	No data available	No data available
2-Heptadecenyl-4,4(5H)-oxazolidimethanol	No data available	No data available	No data available

<b>Engineering Measures</b>	Ensure adequate ventilation, especially in confined areas.
<b>Personal Protective Equipment</b>	
<b>Eye/Face Protection</b>	Tightly fitting safety goggles. Face-shield.
<b>Skin Protection</b>	Wear suitable protective clothing, impervious gloves.
<b>Respiratory Protection</b>	In case of insufficient ventilation wear suitable respiratory equipment. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
<b>General Hygiene Considerations</b>	Wear protective gloves/clothing. Ensure that eyewash stations and safety showers are close to the

workstation location. Do not eat, drink or smoke when using this product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Solid	<b>Viscosity</b>	Solid
<b>Color</b>	light green	<b>Odor</b>	Sweet
<b>Odor Threshold</b>	Not applicable	<b>Appearance</b>	Opaque
<b>pH</b>	(as 1% solution) 12.6	<b>Specific Gravity</b>	1.4
<b>Bulk Density (lb/cu ft)</b>	106.1	<b>Evaporation Rate</b>	0 (Butyl acetate=1)
<b>Percent Volatile (Volume)</b>	>0.8	<b>VOC Content (%)</b>	0.8
<b>VOC Content (g/L)</b>	8	<b>Vapor Pressure</b>	0.04 mmHg @ 70°F
<b>Vapor Density</b>	7.1 (Air = 1.0)	<b>Solubility</b>	Moderately soluble
<b>n-Octanol/Water Partition</b>	No data available	<b>Melting Point/Range</b>	No data available
<b>Decomposition Temperature</b>	No data available	<b>Boiling Point/Range</b>	No data available
<b>Flammability (solid, gas)</b>	No data available	<b>Method</b>	Not applicable
<b>Flash Point</b>	Does not flash		
<b>Autoignition Temperature</b>	No information available.		
<b>Flammability Limits in Air %</b>	Dust explosion properties.	<b>Upper No data available Lower</b>	<b>No data available</b>

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable. Hazardous polymerization does not occur.
<b>Conditions to Avoid</b>	None known
<b>Incompatible Products</b>	Strong oxidizing agents, Reducing agents, Anionic surfactants.
<b>Hazardous Decomposition Products</b>	Oxides of Carbon, Nitrogen, and Sulfur, Hydrogen chloride gas, Hydrogen, by reaction with metals, Formaldehyde.
<b>Possibility of Hazardous Reactions</b>	None under normal processing

## 11. TOXICOLOGICAL INFORMATION

### Product Information

The following values are calculated based on chapter 3.1 of the GHS document (Rev. 3, 2009):

<b>Oral LD50</b>	No information available
<b>Dermal LD50</b>	No information available
<b>Inhalation LC50</b>	
<b>Gas</b>	No information available
<b>Mist</b>	No information available
<b>Vapor</b>	No information available

<b>Principle Route of Exposure</b>	Skin contact, Eye contact.
<b>Primary Routes of Entry</b>	None known

### Acute Effects

<b>Eyes</b>	Corrosive to the eyes and may cause severe damage including blindness.
<b>Skin</b>	Causes skin burns.
<b>Inhalation</b>	Low hazard for usual industrial or commercial handling.
<b>Ingestion</b>	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the esophagus and the stomach.

<b>Chronic Toxicity</b>	None known.
<b>Target Organ Effects</b>	None known
<b>Aggravated Medical Conditions</b>	Skin disorders

### Component Information

#### Acute Toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Sodium metasilicate	= 600 mg/kg ( Rat )	no data available	no data available	no data available	no data available
N-(2-hydroxyethyl)-dodecanamide	no data available	no data available	no data available	no data available	no data available
Stearic acid	no data available	no data available	no data available	no data available	no data available
Benzenemethanaminium, N,N-dimethyl-N-tetradecyl-, chloride	no data available	no data available	no data available	no data available	no data available
Polydimethylsiloxane	no data available	no data available	no data available	no data available	no data available
Alcohols, C9-11, ethoxylated	no data available	no data available	no data available	no data available	no data available
2-Heptadecenyl-4,4(5H)-oxazolidimethanol	no data available	no data available	no data available	no data available	no data available

#### Chronic Toxicity

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Sodium metasilicate	no data available	no data available	no data available	no data available	no data available
N-(2-hydroxyethyl)-	no data available	no data available	no data available	no data available	no data available

dodecanamide					
Stearic acid	no data available	no data available	no data available	no data available	no data available
Benzenemethanaminium, N,N-dimethyl-N-tetradecyl-, chloride	no data available	no data available	no data available	no data available	no data available
Polydimethylsiloxane	no data available	no data available	no data available	no data available	no data available
Alcohols, C9-11, ethoxylated	no data available	no data available	no data available	no data available	no data available
2-Heptadecenyl-4,4(5H)-oxazoledimethanol	no data available	no data available	no data available	no data available	no data available

#### Carcinogenicity

There are no known carcinogenic chemicals in this product.

Component	ACGIH	IARC	NTP	OSHA	Other
Sodium metasilicate	not applicable	not applicable	not applicable	not applicable	not applicable
N-(2-hydroxyethyl)-dodecanamide	not applicable	not applicable	not applicable	not applicable	not applicable
Stearic acid	not applicable	not applicable	not applicable	not applicable	not applicable
Benzenemethanaminium, N,N-dimethyl-N-tetradecyl-, chloride	not applicable	not applicable	not applicable	not applicable	not applicable
Polydimethylsiloxane	not applicable	not applicable	not applicable	not applicable	not applicable
Alcohols, C9-11, ethoxylated	not applicable	not applicable	not applicable	not applicable	not applicable
2-Heptadecenyl-4,4(5H)-oxazoledimethanol	not applicable	not applicable	not applicable	not applicable	not applicable

## 12. ECOLOGICAL INFORMATION

No information available.

#### Product Information

#### Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Sodium metasilicate	no data available	LC50 = 210 mg/L Brachydanio rerio 96 h	no data available	EC50= 216 mg/L 96 h	N/A
N-(2-hydroxyethyl)-dodecanamide	no data available	no data available	no data available	no data available	N/A
Stearic acid	no data available	no data available	no data available	no data available	N/A
Benzenemethanaminium, N,N-dimethyl-N-tetradecyl-, chloride	no data available	no data available	no data available	no data available	N/A
Polydimethylsiloxane	no data available	no data available	no data available	no data available	N/A
Alcohols, C9-11, ethoxylated	no data available	no data available	no data available	no data available	N/A
2-Heptadecenyl-4,4(5H)-oxazoledimethanol	no data available	no data available	no data available	no data available	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	Not regulated
TDG	Not regulated
ICAO	Not regulated
IATA	Not regulated
IMDG/IMO	Not regulated

## 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 does not contain any chemicals which are subject to the reporting requirements of the Act and and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazardous Categorization**

<b>Acute Health Hazard</b>	<b>Chronic Health Hazard</b>	<b>Fire Hazard</b>	<b>Sudden Release of Pressure Hazard</b>	<b>Reactive Hazard</b>
Yes	No	No	No	No

**CERCLA**

<b>Component</b>	<b>Hazardous Substances RQs</b>	<b>CERCLA EHS RQs</b>
Sodium metasilicate	Not applicable	Not applicable
N-(2-hydroxyethyl)-dodecanamide	Not applicable	Not applicable
Stearic acid	Not applicable	Not applicable
Benzenemethanaminium, N,N-dimethyl-N-tetradecyl-, chloride	Not applicable	Not applicable
Polydimethylsiloxane	Not applicable	Not applicable
Alcohols, C9-11, ethoxylated	Not applicable	Not applicable
2-Heptadecenyl-4,4(5H)-oxazolidimethanol	Not applicable	Not applicable

**16. OTHER INFORMATION**

Prepared By Devon Kebodeaux  
 Supersedes Date 01/25/2011  
 Issuing Date 08/08/2013  
 Reason for Revision No information available.  
 Glossary No information available.  
 List of References. No information available.

**CERTIFIED LABS, DIV. 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.**