Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 12/31/2014 Version: 1.0

SECTION 1: Identification of the su	ubstance/mixture and of the company/undertaking
1.1. Product identifier	
Product form	: Mixture
Product name	: Coil Cleaner
Product code	: P196
	Ibstance or mixture and uses advised against
Use of the substance/mixture	: Coil Cleaner
1.3. Details of the supplier of the safe	ty data sheet
CleanPak Products LLC. 221 Hobbs Street Suite 108 Tampa, Fl 33619 T 813-740-8611 - F 813-740-8218 admin@cleanpakproducts.com - www.cleanpa	akproducts.com
1.4. Emergency telephone number	
Emergency number	: 1-800-535-5053 InfoTrac
SECTION 2: Hazards identification	
2.1. Classification of the substance or	r mixture
GHS-US classification	
Skin Corr. 1A H314	
Full text of H-phrases: see section 16	
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2.2. Label elements	
GHS-US labelling	
Hazard pictograms (GHS-US)	GH505
Signal word (GHS-US)	: Danger
Hazard statements (GHS-US)	: H314 - Causes severe skin burns and eye damage
Precautionary statements (GHS-US)	 P280 - Wear gloves and protective eyewear P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P310 - Immediately call a physician P363 - Wash contaminated clothing before reuse
2.3. Other hazards	
No additional information available	
2.4. Unknown acute toxicity (GHS-US)	
Not applicable	
SECTION 3: Composition/informat	tion on ingredients
3.1. Substance	
Not applicable	
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Name	Product identifier	%	GHS-US classification
sodium hydroxide	(CAS No) 1310-73-2	10 - 12	Acute Tox. 4 (Dermal), H312 Skin Corr. 1A, H314 Aquatic Acute 3, H402
disodium metasilicate	(CAS No) 6834-92-0	1 - 5	Skin Corr. 1A, H314

Full text of H-phrases: see section 16

4.1 Description of first aid measures First-aid measures general : If exposed or concerned. Get medical advice/attention. First-aid measures after ishination : Remove to fresh air and keep at rest in a position comfortable for breathing. First-aid measures after ishination : Scop may be used. Rines akin with water/shower. First-aid measures after inpestion : Give milk to drink. 42.1 Most important symptoms and effects, both acute and delayed Symptoms/injuries after inhalation : Coughing. Symptoms/injuries after sing contact : Causes skin initation. Symptoms/injuries after sing contact : Water spray. Section 5.7 Extinguishing media : Water spray. Section 6.7 Scop and precautions, protective equipment and emergency procedures Section 6.7 Advice for firefighters . May be corrosive to metals. Reacts violently with (strong) acids. Sect	Full text of H-phrases: see section 16	
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	Incompatible products	
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Maximum storage period

: >= 2 year

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection			
8.1. Control parameters			
Coil Cleaner			
ACGIH	Not applicable		
OSHA	Not applicable		
sodium hydroxide (1310-73-2)			
ACGIH	ACGIH Ceiling (mg/m ³)	2 mg/m ³	
OSHA	Not applicable		
disodium metasilicate (6834-92-0)			
ACGIH	Not applicable		
OSHA	Not applicable		
3.2. Exposure controls			
Hand protection	: Gloves.		
Eye protection	: Safety glasses.		
Skin and body protection	: Wear suitable protective clothing.		
Respiratory protection : Where exposure through inhalation may occur from use, respiratory protection equipment is			

: Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.

OFOTION A. DI	leaf and a least of	
SECTION 9: Ph	ysical and chemical	properties

9.1. Information on basic physical and	chemical properties
Physical state	: Liquid
Appearance	: Colorless watery liquid.
Colour	: Colourless
Odour	: No data available
Odour threshold	: No data available
рН	: 13 - 14
pH solution	: 10
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: >= 100 °C
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Specific gravity	: 1.06 (≥ 1.06)
Solubility	: Soluble in water. Water: 100
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

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9.2.	Other information				
No additi	onal information available				
SECTI	ON 10: Stability and reactivity				
10.1.	Reactivity				
May be c	May be corrosive to metals. Reacts violently with (strong) acids.				
10.2.	Chemical stability				
Stable ur	Stable under normal conditions.				
10.3.	Possibility of hazardous reactions				
Not estal	Not established.				
10.4.	Conditions to avoid				
No additi	No additional information available				
10.5.	Incompatible materials				
Strong a	cids. May be corrosive to metals.				
10.6.	Hazardous decomposition products				

None known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified sodium hydroxide (1310-73-2) LD50 dermal rabbit 1350 mg/kg (Rabbit; Literature) ATE US (dermal) 1350.000 mg/kg bodyweight disodium metasilicate (6834-92-0) LD50 dermal rat > 5000 mg/kg bodyweight (Rat; Read-across; OECD 402: Acute Dermal Toxicity) Skin corrosion/irritation Causes severe skin burns and eye damage. pH: 13 - 14 Serious eye damage/irritation : Not classified pH: 13 - 14 Respiratory or skin sensitisation : Not classified Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met) Carcinogenicity : Not classified (Based on available data, the classification criteria are not met) Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met) Specific target organ toxicity (single exposure) : Not classified (Based on available data, the classification criteria are not met) Specific target organ toxicity (repeated : Not classified exposure) (Based on available data, the classification criteria are not met) Aspiration hazard : Not classified (Based on available data, the classification criteria are not met) Symptoms/injuries after inhalation : Coughing. Symptoms/injuries after skin contact Causes skin irritation. Symptoms/injuries after eye contact Causes serious eye irritation. Symptoms/injuries after ingestion : Harmful if swallowed.

SECTIO	ON 12: Ecological information	
12.1.	Toxicity	
Ecology -	general	: Dangerous for the environment.

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sodium hydroxide (1310-73-2)	
LC50 fishes 1	45.4 mg/l (96 h; Salmo gairdneri (Oncorhynchus mykiss); Solution >=50%)
EC50 Daphnia 1	40.4 mg/l (48 h; Ceriodaphnia sp.; Nominal concentration)
LC50 fish 2	189 mg/l (48 h; Leuciscus idus)
TLM fish 1	99 mg/l (48 h; Lepomis macrochirus)
TLM fish 2	125 ppm (96 h; Gambusia affinis)
disodium metasilicate (6834-92-0)	
LC50 fishes 1	210 mg/l (96 h; Brachydanio rerio)
EC50 Daphnia 1	216 mg/l (96 h; Daphnia magna; GLP)
LC50 fish 2	2320 mg/l (96 h; Gambusia affinis)
EC50 Daphnia 2	632 mg/l (96 h; Lymnaea sp.)
Threshold limit algae 1	207 mg/l (72 h; Scenedesmus subspicatus; GLP)
2.2. Persistence and degradability	
Coil Cleaner	
Persistence and degradability	Biodegradable in the soil under anaerobic conditions. Readily biodegradable in water.
<u> </u>	
sodium hydroxide (1310-73-2) Persistence and degradability	Biodegradability: not applicable. No (test)data on mobility of the substance available.
Biochemical oxygen demand (BOD)	
	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable
disodium metasilicate (6834-92-0)	
Persistence and degradability	Biodegradability: not applicable. No (test)data on mobility of the substance available.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable
12.3. Bioaccumulative potential	
sodium hydroxide (1310-73-2)	
Bioaccumulative potential	Bioaccumulation: not applicable.
disodium metasilicate (6834-92-0)	
Bioaccumulative potential	Bioaccumulation: not applicable.
12.4. Mobility in soil	
No additional information available	
2.5. Other adverse effects	
Effect on ozone layer	:
Effect on the global warming	: No known ecological damage caused by this product.
SECTION 13: Disposal consideration	IS
I3.1. Waste treatment methods	
Vaste disposal recommendations	: Neutralize.
Additional information	: Clean up even minor leaks or spills if possible without unecessary risk.
SECTION 14: Transport information	
n accordance with DOT	
Transport document description	: UN1824 Sodium hydroxide solution, 8, III
JN-No.(DOT)	: UN1824
Proper Shipping Name (DOT)	: Sodium hydroxide solution
Department of Transportation (DOT) Hazard	: 8 - Class 8 - Corrosive material 49 CFR 173.136
Classes	

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Hazard labels (DOT)	: 8 - Corrosive
Packing group (DOT)	: III - Minor Danger
DOT Special Provisions (49 CFR 172.102)	 IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672). N34 - Aluminum construction materials are not authorized for any part of a packaging which is normally in contact with the hazardous material. T4 - 2.65 178.274(d)(2) Normal
DOT Packaging Exceptions (49 CFR 173.xxx)	: 154 Limited Quantity
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 203
DOT Packaging Bulk (49 CFR 173.xxx)	: 241
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 5L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 60 L
DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
DOT Vessel Stowage Other	: 52 - Stow "separated from" acids
Additional information	
Other information	: No supplementary information available.
ADR	
No additional information available	
Transport by sea	
UN-No. (IMDG)	: 1824
Proper Shipping Name (IMDG)	: SODIUM HYDROXIDE SOLUTION
Class (IMDG)	: 8 - Corrosive substances
Packing group (IMDG)	: III - substances presenting low danger
Air transport	
UN-No.(IATA)	: 1824
Proper Shipping Name (IATA)	: SODIUM HYDROXIDE SOLUTION
Class (IATA)	: 8 - Corrosives
Packing group (IATA)	: III - Minor Danger
SECTION 15: Regulatory information	
15.1. US Federal regulations	
No additional information available	
15.2. International regulations	
CANADA	

EU-Regulations

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Not classified

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15.2.2. National regulations

No additional information available

15.3. US State regulations

SECTION 16: Other information

Full text of H-phrases:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Aquatic Acute 3	Hazardous to the aquatic environment — Acute Hazard, Category 3
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H402	Harmful to aquatic life

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product