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SECTION 1: Identification of the substance/mixture and of the company/ undertaking

· 1.1 Product identifier

· Trade name: Big Daddy

· Article number: 2080

 \cdot Relevant identified uses of the substance or mixture and uses advised

against No further relevant information available.

· Application of the substance / the mixture Alkaline cleaner

· 1.3 Details of the supplier of the Safety Data Sheet

· Manufacturer/Supplier:

ATCO International 1401 Barclay Circle, SE Marietta, Ga 30060 770-424-7550

· 1.4 Emergency telephone

number: ChemTel Inc.

(800)255-3924, +1 (813)248-0585

SECTION 2: Hazards identification

- · 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008

Classifications listed also are applicable to the OSHA GHS Hazard Communication Standard (29CFR1910.1200).



corrosion

Eye Dam. 1 H318 Causes serious eye damage.



Skin Irrit. 2 H315 Causes skin irritation.

· Classification according to Directive 67/548/EEC or Directive

R34: Causes burns.

· Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

· Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

The classification is in accordance with the latest editions of international substances lists, and is supplemented by information from technical literature and by information provided by the company.

· Additional information:

There are no other hazards not otherwise classified that have been identified.

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0 percent of the mixture consists of component(s) of unknown toxicity

· 2.2 Label elements

· Labelling according to Regulation (EC) No 1272/2008

The product is additionally classified and labelled according to the Globally Harmonized System within the United States (GHS).

The product is classified and labelled according to the CLP regulation.

· Hazard pictograms



GHS05

· Signal word Danger

· Hazard-determining components of

labelling: Disodium Metasilicate Pentahydrate

alcohols, C9-11,

ethoxylated 2-aminoethanol

· Hazard statements

H315 Causes skin irritation.

H318 Causes serious eye damage.

· Precautionary statements

P280 Wear protective gloves / eye protection.

P264 Wash thoroughly after handling.

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 POISON CENTER/doctor.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P302+P352 IF ON SKIN: Wash with plenty of water.

· Hazard description:

· WHMIS-symbols:

D2B - Toxic material causing other toxic effects

E - Corrosive material



· NFPA ratings (scale 0 - 4)



Health = 2 Fire = 1

Reactivity = 0

· HMIS-ratings (scale 0 - 4)



Health = 2

Fire = 1

REACTIVITY Reactivity = 0

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· HMIS Long Term Health Hazard Substances

None of the ingredients are listed.

- · 2.3 Other hazards
- · Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- · vPvB:

1064-48-8 sodium 4-amino-5-hydroxy-3-(4-nitrophenylazo)-6-(phenylazo)naphthalene-2,7-disulphonate

SECTION 3: Composition/information on ingredients

- · 3.2 Mixtures
- · Description: Mixture of substances listed below with nonhazardous additions.

· Dangerous components:		
CAS: 10213-79-3	Disodium Metasilicate Pentahydrate	2,5-10%
EINECS: 229-912-9	C R34; X Xi R37 Met. Corr.1, H290; Skin Corr. 1B, H314	
	♦ STOT SE 3, H335	
CAS: 111-76-2	2-butoxvethanol	2,5-10%
EINECS: 203-905-0	Xn R20/21/22; Xi R36/38	
Index number: 603-014-00-0	Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332;	
	Skin Irrit. 2, H315; Eye Irrit. 2, H319	
CAS: 1300-72-7	sodium xylene sulfonate	≤ 2,5%
EINECS: 215-090-9	Xi R36	
,		
CAS: 68439-46-3	alcohols, C9-11, ethoxylated	≤ 2,5%
NLP: 500-446-0	Xi R41	
	Eye Dam. 1, H318	
CAS: 141-43-5	2-aminoethanol	≤ 2,5%
EINECS: 205-483-3	C R34; Xn R20/21/22	
Index number: 603-030-00-8	Skin Corr. 1B, H314	
	Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332	
	Aquatic Chronic 3, H412	
CAS: 27176-87-0	dodecylbenzylsulfonic acid	≤ 2,5%
EINECS: 248-289-4	C R34; Xn R22 Skin Corr. 1B, H314	
	(1) Acute Tox. 4, H302	

· Additional information:

For the listed ingredients, the identity and exact percentages are being withheld as a trade secret. For the wording of the listed risk phrases refer to section 16.

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SECTION 4: First aid measures

· 4.1 Description of first aid measures

- · General information: Immediately remove any clothing soiled by the product.
- · After inhalation: Supply fresh air; consult doctor in case of complaints.
- · After skin contact:

Immediately rinse with water.

If skin irritation continues, consult a doctor.

Seek immediate medical help for blistering or open wounds.

· After eye contact: Protect

unharmed eye. Remove

contact lenses if worn.

Rinse opened eye for several minutes under running water. Then consult a doctor.

· After swallowing:

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

 4.2 Most important symptoms and effects, both acute and delayed Coughing

Cramp

Irritant to skin and mucous membranes.

Gastric or intestinal disorders when

ingested. Nausea in case of ingestion.

· Hazards

Danger of gastric perforation.

Causes serious eve damage.

· 4.3 Indication of any immediate medical attention and special treatment

needed No further relevant information available.

SECTION 5: Firefighting measures

- · 5.1 Extinguishing media
- · Suitable extinguishing agents:

CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- · For safety reasons unsuitable extinguishing agents: None.
- 5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

- · 5.3 Advice for firefighters
- · Protective equipment:

Wear self-contained respiratory protective

device. Wear fully protective suit.

· Additional information

Use large quantities of foam as it is partially destroyed by the

product. Cool endangered receptacles with water spray.

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SECTION 6: Accidental release measures

• 6.1 Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation

For large spills, use respiratory protective device against the effects of fumes/dust/aerosol.

- 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- · 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13. Send for recovery or disposal in suitable receptacles.

· 6.4 Reference to other sections

See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

SECTION 7: Handling and storage

· 7.1 Precautions for safe handling

Prevent formation of aerosols.

Avoid splashes or spray in enclosed

areas. Use only in well ventilated areas.

- · Information about fire and explosion protection: No special measures required.
- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage:
- · Requirements to be met by storerooms and

receptacles: Provide ventilation for receptacles.

Avoid storage near extreme heat, ignition sources or open flame.

· Information about storage in one common storage

facility: Store away from foodstuffs.

Store away from oxidizing agents.

Do not store together with acids.

· Further information about storage conditions:

Store in cool, dry conditions in well sealed

receptacles. Keep container tightly sealed.

Protect from heat and direct sunlight.

· 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

· Additional information about design of technical facilities: No further data; see item 7.

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		(Contd. of page
· 8.1 Control p	arameters	
· Ingredients v	with limit values that require monitoring at the workplace:	
111-76-2 2-b	utoxyethanol	
IOELV (EU)	Short-term value: 246 mg/m³, 50 ppm Long-term value: 98 mg/m³, 20 ppm Skin	
PEL (USA)	Long-term value: 240 mg/m³, 50 ppm Skin	
REL (USA)	Long-term value: 24 mg/m³, 5 ppm Skin	
TLV (USA)	Long-term value: 97 mg/m³, 20 ppm BEI	
	Long-term value: 20 ppm Long-term value: 20 ppm Skin	
141-43-5 2-	aminoethanol	
IOELV (EU)	Short-term value: 7,6 mg/m³, 3 ppm Long-term value: 2,5 mg/m³, 1 ppm Skin	
PEL (USA) REL (USA)	Long-term value: 6 mg/m³, 3 ppm Short-term value: 15 mg/m³, 6 ppm	
TLV (USA)	Long-term value: 8 mg/m³, 3 ppm Short-term value: 15 mg/m³, 6 ppm	
EL (Canada)	Long-term value: 7,5 mg/m³, 3 ppm Short-term value: 6 ppm Long-term value: 3 ppm	
EV (Canada)	Short-term value: 3 ppm Short-term value: 15 mg/m³, 6 ppm Long-term value: 7,5 mg/m³, 3 ppm	
	rther relevant information available. rther relevant information available.	
· Ingredients v	vith biological limit values:	
111-76-2 2-bi	utoxyethanol BEI	

111-76-2 2-butoxyethanol BEI

(USA) 200 mg/g creatinine

Medium: urine Time: end of shift

Parameter: Butoxyacetic acid with hydrolysis

- · Additional information: The lists valid during the making were used as basis.
- · 8.2 Exposure controls
- · Personal protective equipment:
- · General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing.

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Do not inhale gases / fumes / aerosols.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

· Respiratory protection:

Not required under normal conditions of use.

Use suitable respiratory protective device when aerosol or mist is formed. For spills, respiratory protection may be advisable.

· Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

· Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

 For the permanent contact gloves made of the following materials are suitable: Nitrile rubber, NBR

Buttel rubbor DD

Butyl rubber, BR Neoprene gloves

· Eye protection:

Contact lenses should not be worn.



Safety glasses

- · Body protection: Alkaline resistant protective clothing
- Limitation and supervision of exposure into the environment No further relevant information available.
- · Risk management measures

See Section 7 for additional information.

No further relevant information available.

SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties
- · General Information
- · Appearance:

Form: Liquid

Color: Amber colored
Odor: Solvent-like

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· Odor threshold: Not determined.

• pH-value at 20 °C (68 °F): 13,5 - 14

· Change in condition

Melting point/Melting range: Not Determined.

Boiling point/Boiling range: Undetermined.

• Flash point: $> 200^{\circ} \text{ F/} > 93 ^{\circ}\text{C} (> 392^{\circ} \text{ F/} > 199 ^{\circ}\text{F})$

Flammability (solid, gaseous): Not applicable.
 Auto/Self-ignition temperature: Not determined.
 Decomposition temperature: Not determined.

Self-igniting: Product is not self-igniting.

Danger of explosion:
 Product does not present an explosion hazard.

· Explosion limits:

Lower: Not determined.

Upper: Not determined.

· Vapor pressure: Not determined.

• Density at 20 °C (68 °F): 1,03 g/cm³ (8,595 lbs/gal)

Relative density
 Vapor density
 Evaporation rate
 Not determined.
 Not determined.

· Solubility in / Miscibility with

water: Fully miscible.Partition coefficient (n-octanol/water): Not determined.

· Viscosity:

Dynamic: Not determined. **Kinematic:** Not determined.

9.2 Other information
 No further relevant information available.

SECTION 10: Stability and reactivity

- · 10.1 Reactivity
- · 10.2 Chemical stability
- · Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to

specifications. To avoid thermal decomposition do not overheat.

10.3 Possibility of hazardous reactions

Toxic fumes may be released if heated above the decomposition point. Reacts with strong acids and oxidizing agents. Reacts with certain metals.

• 10.4 Conditions to avoid Excessive heat and contact with oxidizers.

• 10.5 Incompatible materials: No further relevant information available.

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 10.6 Hazardous decomposition products: Carbon monoxide and carbon dioxide Nitrogen oxides (NOx)

SECTION 11: Toxicological information

- · 11.1 Information on toxicological effects
- · Acute toxicity:
- · LD/LC50 values relevant for classification: None.
- · Primary irritant effect:

Sulphur oxides (SOx)

- · on the skin: Irritant to skin and mucous membranes.
- on the eye: Strong irritant with the danger of severe eye injury.
- · Sensitization: No sensitizing effects known.
- · Subacute to chronic toxicity: No further relevant information available.
- · Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

- · Acute effects (acute toxicity, irritation and corrosivity): Irritating to skin.
- · Repeated dose toxicity: No further relevant information available.

SECTION 12: Ecological information

- · 12.1 Toxicity
- · Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability No further relevant information available.
- 12.3 Bioaccumulative potential No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.
- · Ecotoxical effects:
- · Remark: After neutralization a reduction of the harming action may be recognized
- · Additional ecological information:
- · General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Must not reach sewage water or drainage ditch undiluted or unneutralized.

Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. If the dilution of the use-level pH-value is considerably reduced, the aqueous waste, emptied into drains, is only low water-dangerous.

- · 12.5 Results of PBT and vPvB assessment
- · PBT: Not applicable.
- · vPvB:

1064-48-8 sodium 4-amino-5-hydroxy-3-(4-nitrophenylazo)-6-(phenylazo)naphthalene-2,7-disulphonate

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• 12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

- · 13.1 Waste treatment methods
- · Recommendation

Small amounts may be diluted with plenty of water and washed away. Dispose of larger amounts in accordance with Local Authority requirements.

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual materials should be treated as hazardous.

- · Uncleaned packaging:
- · Recommendation: Disposal must be made according to official regulations.
- · Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport information

- · 14.1 UN-Number
- · 14.2 UN proper shipping name
- · 14.3 Transport hazard class(es)
- · DOT, ADR, ADN, IMDG, IATA

· Class Not Regulated

· 14.4 Packing group

· DOT, ADR, IMDG, IATA Not Regulated

· 14.5 Environmental hazards:

· Marine pollutant: No

• 14.6 Special precautions for user Not applicable.

· 14.7 Transport in bulk according to Annex II of

MARPOL73/78 and the IBC Code Not applicable.

· UN "Model Regulation":

SECTION 15: Regulatory information

- · 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- · United States (USA)
- · SARA
- · Section 355 (extremely hazardous

substances): None of the ingredients are listed.

· Section 313 (Specific toxic chemical listings):

111-76-2 2-butoxyethanol

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Trade name: Big Daddy (Contd. of page 10) 7758-29-4 pentasodium triphosphate · TSCA (Toxic Substances Control Act): All ingredients are listed. · Proposition 65 (California): May be present in trace amounts. · Chemicals known to cause cancer: Ethylene oxide, diethanolamine. · Chemicals known to cause reproductive toxicity for females: Ethylene oxide. · Chemicals known to cause reproductive toxicity for males: Ethylene oxide. · Chemicals known to cause developmental toxicity: Ethylene oxide. · Carcinogenic Categories · EPA (Environmental Protection Agency) 111-76-2 2-butoxyethanol NL · IARC (International Agency for Research on Cancer) 111-76-2 2-butoxyethanol 3 · TLV (Threshold Limit Value established by ACGIH) 111-76-2 2-butoxyethanol A3 · NIOSH-Ca (National Institute for Occupational Safety and **Health)** None of the ingredients are listed. · Canada · Canadian Domestic Substances List (DSL) All ingredients are listed. · Canadian Ingredient Disclosure list (limit 0.1%) None of the ingredients are listed. · Canadian Ingredient Disclosure list (limit 1%) 111-76-2 2-butoxyethanol 25155-30-0 sodium dodecylbenzylsulfonic acid 141-43-5 2-aminoethanol · Other regulations, limitations and prohibitive regulations This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations. · Substances of very high concern (SVHC) according to REACH, Article **57** None of the ingredients are listed.

• 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant phrases

H290May be corrosive to metals.

H302Harmful if swallowed.

H312Harmful in contact with skin.

H314Causes severe skin burns and eye damage.

H315Causes skin irritation.

H318Causes serious eve damage.

H319Causes serious eye irritation.

H332Harmful if inhaled.

H335May cause respiratory irritation.

H412Harmful to aquatic life with long lasting effects.

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

R22Harmful if swallowed.

R34Causes burns.

R36Irritating to eyes.

R36/38 Irritating to eyes and skin.

R37Irritating to respiratory system.

R41Risk of serious damage to eyes.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the

International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

WHMIS: Workplace Hazardous Materials Information System (Canada)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Met. Corr.1: Corrosive to metals, Hazard Category 1

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1 Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

· Sources

SDS Prepared

by: ChemTel Inc.

1305 North Florida Avenue

Tampa, Florida USA 33602-2902

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Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and OSHA GHS

Printing Date: 23.07.2018 Revision Date: 23.07.2018

Trade name: Big Daddy

Toll Free North America 1-888-255-3924 Intl. +01 813-248-

0573 Website: www.chemtelinc.com

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