



<< N/E = Not established N/AP = Not Applicable N/AV = Not Available C.O.C = Cleveland Open Cup>>

SECTION I: MATERIAL IDENTIFICATION AND USE

Material Name / Identifier: ATTAX HEAVY DUTY SURFACE CLEANER
Product Codes: 18-0401, 18-0105, 18-0045, 18-0001
Material Intended Use: Multi-Purpose Industrial Cleaning Solution
Chemical Family: Proprietary complex mixture/preparation
CAS number: N/Ap
Manufacturer's Name: WORX Environmental Products
Address: Unit 10, 2305-52nd Avenue SE
City & Province: Calgary, Alberta T2C 4x7
Emergency Telephone: 1-800-424-9679 or 403-273-7600
E-mail of the competent Person responsible for the Safety Data Sheet: marketing@worx.ca

SECTION II: HAZARDS IDENTIFICATION**2.1 Classification of the mixture**

Eye irritation (Category 2B)

2.2 Label elements**2.2.1 Label elements**

Hazard pictogram(s): No
Symbol Signal word(s): Warning
Hazard statement(s): Causes eye irritation

2.2.2 Precautionary Statement(s)

Prevention:

Wash hands thoroughly after handling
Wear protective gloves, eye and face protection.

Response:

Keep away from heat, sparks, open flames, hot surfaces – no smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention

2.3 Other hazards

No hazard known

SECTION III: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient(s)	% W/W	CAS No
Disodium Metasilicate	5-10	6834-92-0
Ethoxylated emulsifier	5-10	68478-95-5

The specific chemical identity of this composition is being withheld as a trade secret.

**SECTION IV: FIRST AID MEASURES****4.1. Description of first aid measures**

- Eyes: Check for and remove any contact lenses. Do not rub eyes. Immediately flush with warm running water holding the eyelids apart, for 15 minutes. Call a physician if irritation develops.
- Skin: Remove contaminated clothing and shoes. Wash affected skin with soap and water. See physician if irritation develops.
- Ingestion: No toxic effect is expected. As a precaution rinse mouth with water and drink 1 glass of water. Do NOT induce vomiting. Consult a physician.
- Inhalation: Immediately remove the affected victim to fresh air. If symptoms persist, obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed: May cause irritation to eyes.

4.3 Indication of the immediate medical attention and special treatment needed: Treat symptomatically.

SECTION V: FIRE AND EXPLOSION HAZARD DATA**5.1 Extinguishing media**

Suitable Extinguishing Media: Water, dry chemical or foam.

Unsuitable Extinguishing Media: Not applicable

5.2 Specific Hazards: A slip hazard.

5.3 Protective Equipment: Not applicable.

5.4 Precautions/Advice: Product is not combustible.

5.5 Flammability Classification: Not flammable.

SECTION VI: ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

For non-emergency personnel: Small spill: Use appropriate tools to wipe up the product. Rinse contaminated area with water. Large spill: Stop the leak if possible. Block release of hazardous chemical from sewer or storm drains. Contain and clean-up the spill. Observe all personal protection equipment recommendations

For emergency responders: Use personnel protection recommended in Section 8

6.2 Environmental precautions: Do not release large quantities into the surface water or into drains.

6.3 Methods and material for containment and cleaning up:

Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Wear suitable protective clothing: gloves and eye protection. Rinse remaining liquid with water.

6.4 Reference to other sections See Also Section 7, 8, 13.

6.5 Additional Information: For waste Disposal: Follow local regulations for discharge of waste effluent.

SECTION VII: SAFE HANDLING AND STORAGE

7.1 Precautions for safe handling: Use in well-ventilated areas. Keep away from oxidizing agents, acids.

7.2 Conditions for safe storage, including any incompatibilities Store in a well-ventilated place.



Do not store and transport with oxidizers and acids etc. Keep container closed when not in use.
Storage Life Not available.

7.3 Incompatible Materials: Oxidizing agents, strong acids, reducing agents

7.4 Additional Information: When product is used in confined space, the use of proper ventilation is required.

SECTION VIII: EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure:

Chemical name	ACGIH TLV	OHSA PEL	NIOSH IDLH
Disodium Metasilicate	N/Av	0.1 mg/m ³	N/Av
Ethoxylated emulsifier	N/Av	N/Av	N/Av

8.1.2 Biological Exposure: Biological limit values are not available for this product

8.2.1 Appropriate engineering controls: Guarantee sufficient ventilation during and after use, to prevent vapor accumulation.

8.2.2 Personal protection equipment (PPE):

- Protective Handwear: Rubber gloves are recommended preventing drying of hands.
- Protective Eyewear: Safety glasses with side shields or goggles Other
- protective clothing: Not required.
- Respiratory Apparatus: None required if fresh air ventilation maintained.
- Local/mechanical exhaust: Not required.

8.2.3 Environmental Exposure Controls: Adequate ventilation must be used. Guarantee sufficient ventilation during and after use, to prevent vapor accumulation.

SECTION IX: PHYSICAL DATA

- Physical State: Liquid
- Appearance: Straw Yellow
- Odour: Citron
- Odour Threshold: N/E
- Specific Gravity: 0.993-0.999
- Vapour Pressure: 2.9IPa
- Vapour Density: (air = 1) N/Av
- Evaporation Rate: N/E
- Boiling Point (°C): 85°C
- Viscosity: N/E
- Solubility in Water: Soluble
- pH Factor: 11.5-12.5
- Flash Point: N/Av
- % Volatile: 0.00%
- Explosive (limits): N/Av
- Oxidizer: No
- Water Solubility: 100
- Freezing Point (°C): 0°C
- Partition Coefficient: N/Av
- Auto Ignition Temp.: N/E
- Decomposition Temp: N/E
- Explosive Properties: N/E
- Viscosity: N/E



SECTION X: STABILITY AND REACTIVITY DATA

- 10.1 **Reactivity** Strong oxidizing agents, strong acids
- 10.2 **Chemical stability** Stable under normal conditions.
- 10.3 **Possibility of hazardous reactions** Can react if in contact with – strong oxidizing agents.
- 10.4 **Conditions to avoid** Avoid contact with strong oxidizing agents.
- 10.5 **Incompatible materials** Strong oxidizing agents, strong reducing agents
- 10.6 **Hazardous Decomposition Product(s)** Carbon monoxide, Carbon dioxide.
- 10.7 **Hazardous polymerization:** Will not occur

SECTION XI: TOXICOLOGICAL INFORMATION

Information on toxicological effects

11.1 Likely Routes of Exposure and Symptoms

- Inhalation: This product is not an inhalation hazard under normal use conditions.
- Ingestion: Nausea, stomach cramps, vomiting.
- Skin contact: Prolonged contact may cause slight irritation, dryness.
- Eye contact: May cause eye irritation, redness, watering.

11.2 Mixtures

- Acute Oral Toxicity Estimate: LD 50 (Oral, rat) ≥ 6350 mg / kg
- Acute Dermal Toxicity Estimate: Not available
- Acute Inhalation Toxicity Estimate: Not available
- Irritation: Causes eye irritation.
- Corrosivity: Not to be expected.
- Carcinogenicity Data: The ingredients of this product is not classed as carcinogenic by ACGIH, IARC, OSHA
- Reproductive Data: None
- Mutagenicity Data: None
- Skin sensitization: Not a skin sensitizer

11.3 Chronic effects (humans): N/Ap

11.4 Numerical Measure of Toxicity: N/Av

11.5 Component Information:

Chemical name	Oral LD 50 (Rat)	Dermal LD 50	Inhalation LC50
Disodium Metasilicate	1153 mg/kg	N/Av	N/Av
Ethoxylated Emulsifier	1000-2000 gm/kg	N/Av	N/Av

SECTION XII: ECOLOGICAL INFORMATION

- 12.1 **Ecotoxicity** 96 hour LC₅₀=320 mg/l Tilapia Nilopia
- 12.2 **Persistence and degradability** Readily biodegradable per OECD 301 D, closed bottle test
- 12.3 **Bioaccumulative potential** Not Available
- 12.4 **Mobility in soil** Not Available



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12.5 PBT and vPvB assessment

This mixture does not contain any substance that are assessed to be a PBT or a vPvB.

12.6 Other adverse effects

None

SECTION XIII: DISPOSAL CONSIDERATIONS

- 13 **Waste treatment methods** Follow treatment/disposal applicable local, provincial and federal regulations. This material is readily biodegradable in aerobic conditions, and under anaerobic conditions. It is not expected to bioaccumulate.

13.1 **Contaminated Packaging:** N/Av

13.2 **Additional Information** Avoid release to the environment.

SECTION XIV: TRANSPORTATION INFORMATION

- 14.1 **ADR Classification** Consult your local regional authority for disposal options.
- 14.2 **DOT (Department of Transportation)** Not Regulated
- 14.3 **TDG (Canada Transport of Dangerous Goods)** Not Regulated
- 14.4 **ICAO/IATA** Not Regulated
- 14.5 **IMO/IMDG** Not Regulated
- 14.6 **Marine Pollutant** Not regulated

SECTION XV: REGULATORY INFORMATION

15.1 Chemical Safety Assessment:

OSHA: This material is classified as a "Hazardous Chemical" under OSHA regulations (29 CFR 1910.1200). Hazardous classification: Eye irritation (Category 2B)

USA TSCA (Toxic Substance Control Act): All chemicals listed

SARA TITLE III: Sec.302. 40 CFR 355: No extremely hazardous substances are present in this material.

SARA TITLE III: Sec.313. 40 CFR 372 This substance contains no materials subject to the reporting requirements of SARA (III) Section 313

SARA TITLE III: Sec.311 and 312. 40 CFR 370 MSDS Requirements. Hazardous Classes: Acute Health Hazard (Eye Irritation).

US State Right to Know Law

Proposition 65 California Safe Drinking Water and Toxic Enforcement Act of 1986: This product is not known to contain any chemicals currently listed as carcinogens or reproductive toxins under California Proposition 65 at levels under which would be subject to the proposition.

15.2 International Information

Canadian Environmental Protection Act (CEPA) All ingredients listed appear on the Domestic Substances List (DSL).

Regulations specific for the substance or mixture:

European Union (EINECS/ELINCS): All chemicals listed
Canada WHMIS Classification: Class D 2B (Eye irritation)



SECTION XVI: ADDITIONAL INFORMATION

Further information:

Information for this Safety Data Sheet was prepared from sources considered reliable. While every effort has been made to ensure full disclosure of product hazards, data is not available in some cases and is so stated where applicable. The manufacturer assumes no liability or responsibility, and no warranty is expressed or implied, in cases where products are mishandled, misused or instructions are not strictly observed. Each recipient of this SDS is encouraged to study it carefully to fully understand this product.

SECTION XVII: PREPARATION INFORMATION

Prepared by: WORX Environmental Products	Telephone: 1-800-424-9679	Date: May 26, 2021	Replaces: June 18, 2018
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