



## SAFETY DATA SHEET

<< 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: **WORX Biodegradable Hand Cleaner**  
Material Intended Use: Industrial Hand Cleaner  
Chemical Family: Proprietary complex mixture/ preparation  
CAS number: N/Av  
Supplier's Name: WORX Environmental Products  
Address: Unit 10, 2305-52<sup>nd</sup> 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  
Product Codes: 11-1224, 11-1650-12, 11-1104, 11-1300, 11-1450, 11-9965

### Recommended use of the chemical and restrictions on use

Recommended use: Skin-care

Restrictions on use:

This is a personal care formulation which is comparable in personal safety to conventional hair shampoos and body soaps which are used for personal bathing in home bathtubs or showers and the same precautions used in those situations would apply for this product. Consumer products in the US, Canada and in Europe (as well as other countries) are exempt from requiring an SDS for consumers. Although the normal use of this product as a hand cleaner at the hand washing sink is not considered hazardous; regulations require an SDS for the product in an industrial environment. This SDS does contain useful information should unusual and unintended exposures occur such as a large spill that might happen if handling the material in bulk or in ways that are not described and hence hazardous information follows for such an unusual occurrence. Therefore, this SDS should be kept and made available for any employees or any other users of the product. For usage instructions as intended please read the information on the package or on the product instruction sheet.

### SECTION II: HAZARDS IDENTIFICATION

#### 2.1 Classification of the mixture

Eye Irrit 2A H319  
STOT SE 3 H335

#### 2.2 Label elements

**2.2.1 Label elements** Hazard pictogram(s): GHS07

Signal word(s): Warning

Hazard statement(s): H319 – Causes eye irritation  
H335 – May cause respiratory irritation



Precautionary Statement(s): Not required, but the following precautionary statements may be used:

P261 - Avoid breathing dust; P264 - Wash hands, face thoroughly after handling; P271 - Use only outdoors or in a well ventilated area; P280 - Wear eye protection; 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; P312 - Call a doctor if you feel unwell; P337 + P313 - If eye irritation persists: Get medical advice/attention; P403 + P233 - Store in a well-ventilated place. Keep container tightly closed; P405 - Store locked up; P501 - Dispose of contents/container to sanitary landfill.



**2.3 Other hazards**

No particular hazard known

**SECTION III: COMPOSITION/INFORMATION ON INGREDIENTS**

Ingredient(s)	% W/W	CAS No. EC No.
Sodium Carbonate Exsiccated	>25 %	497-19-8
Benzene sulfonic acid, C10-16 alkyl derivates, sodium salts	>0.5%	68081-81-2

- For full text of H/P phrases see section 16.

**SECTION IV: FIRST AID MEASURES**

**4.1. Description of first aid measures**

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 advise/attention.

Skin: Brush off loose particles from skin. Rinse with potable water before eating/drinking.

Ingestion: No toxic effect is expected. Rinse mouths with water and drink 1 glass of water. Do not induce vomiting. Consult a physician.

Inhalation: Remove to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a poison center/doctor/physician if you feel unwell.

**4.2 Most important symptoms and effects, both acute and delayed:** May irritate eyes; may cause respiratory irritation.

**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: Product is not combustible. Use extinguishing agent suitable for type of surrounding fire.

Unsuitable Extinguishing Media: Not applicable

**5.2 Special hazards arising from the substance or mixture:** Not expected to present a significant hazard under anticipated conditions of normal use.

**5.3 Advice for fire-fighters:** Product is not flammable. Use fire control measures appropriate for the surrounding fire.

**SECTION VI: ACCIDENTAL RELEASE MEASURES**

**6.1 Personal precautions, protective equipment and emergency procedures**

For non- emergency personnel: Use appropriate personal protective equipment (PPE). See Section VIII. Ventilate the area.

For emergency personnel: Equip cleanup crew with proper protection. Ventilate the area.

**6.2 Environmental precautions:** Prevent further leakage or spillage if safe to do

so. **6.3 Methods and material for containment and cleaning up** Place in a labelled container for later disposal.

**6.4 Reference to other sections** See Also Section VIII for Personal Protective Equipment.

**6.5 Additional Information:** For waste Disposal: Follow local regulations for discharge of a large amount of waste.

**SECTION VII: SAFE HANDLING AND STORAGE**

**7.1 Precautions for safe handling** Avoid contact with eyes. Do not breathe dust. Use personal protective equipment where required. Do not eat, drink, or smoke when using this product. Rinse hands and other exposed areas with potable water before eating, drinking, or smoking, and when leaving work.



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**7.2 Conditions for safe storage, including any incompatibilities:** Keep container closed when not in use.

Storage Temperature < 50 °C.

Storage Life Not available.

Incompatible materials: See Section X

**7.3 Specific end use(s):** Used as a skin cleanser with water for multiple daily washes of hands and body. Comparable in safety to household body soaps and hair shampoo.

**SECTION VIII: EXPOSURE CONTROL / PERSONAL PROTECTION**

**8.1 Control parameters**

No additional information available.

**8.2 Exposure controls**

**8.2.1 Appropriate engineering controls:** Ensure adequate ventilation.

**8.2.2 Personal protection equipment**

Dust formation: dust mask. In case of dust production, protective goggles. Chemical goggles or safety glasses. In case of inadequate ventilation, wear respiratory protection.



**8.2.3 Environmental Exposure Controls:** Adequate ventilation is recommended.

**SECTION IX: PHYSICAL DATA**

Physical State:	Solid	Odour:	Juniper-berry fragrance may be detectable
Appearance:	Green Powder	Odor Threshold:	N/Av
pH:	7.8	Relative Evaporation Rate:	N/Av
Melting Point:	N/Av	Freezing Point:	N/Av
Boiling Point:	N/Av	Flash Point:	N/Av
Auto-Ignition Temp:	N/Av	Decomposition Temp:	N/Av
Flammability:	Not Flammable	Vapor Pressure:	N/Av
Relative Vapor Density:	N/Av	Relative Density:	0.71 – 0.788
Solubility:	Soluble in Water	Log Pow:	N/Av
Log Kow:	N/Av	Viscosity, Kinematic:	N/Av
Viscosity, Dynamic:	N/Av	Explosive Properties:	N/Av
Oxidizing Properties:	N/Av	Explosive Limits	N/Av



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### SECTION X: STABILITY AND REACTIVITY DATA

**10.1 Reactivity** Not expected to present a significant hazards under anticipated conditions of normal use.

**10.2 Chemical stability** Stable under normal conditions.

**10.3 Possibility of hazardous reactions** None known.

**10.4 Conditions to avoid** Avoid formation of dusts.

**10.5 Incompatible materials** Strong acids, strong bases, strong oxidizing agents

**10.6 Hazardous Decomposition Product(s)** Carbon Oxides (CO and CO<sub>2</sub>), Sulphur Oxides.

### SECTION XI: TOXICOLOGICAL INFORMATION

#### Information on toxicological effects

##### 11.1.2 Mixtures

Acute Oral Toxicity	Not classified
Skin Corrosion/Irritation	Not classified, pH: 7.8
Serious eye damage/irritation	May cause serious eye irritation, pH: 7.8
Carcinogenicity Data:	Not classified. The ingredients of this product is not classed as carcinogenic by ACGIH, IARC, OSHA
Reproductive Data:	No adverse reproductive effects are anticipated
Mutagenicity Data:	No adverse reproductive effects are anticipated
Specific target organ toxicity	May cause respiratory irritation. May cause eye irritation.
Skin sensitization:	Is not a skin sensitizer

##### 11.2 Other information

None

### SECTION XII: ECOLOGICAL INFORMATION

##### 12.1 Toxicity

Not determined

##### 12.2 Persistence and degradability

Readily biodegradable in contact with water

##### 12.3 Bioaccumulative potential

Not determined

##### 12.4 Mobility in soil

Not determined

##### 12.5 Other adverse effects

None

### SECTION XIII: DISPOSAL CONSIDERATIONS

**13.1 Waste treatment methods** Dispose in a safe manner in accordance with local/national regulations



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**SECTION XIV: TRANSPORTATION INFORMATION**

<b>14.1 ADR Classification</b>	Not Regulated
<b>14.2 DOT (Department of Transportation)</b>	Not Regulated
<b>14.3 TDG (Canada Transport of Dangerous Goods)</b>	Not Regulated
<b>14.4 ICAO/IATA</b>	Not Regulated
<b>14.5 IMO/IMDG</b>	Not Regulated

**SECTION XV: REGULATORY INFORMATION**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

<b>European Union (EINECS/ELINCS)</b>	All chemicals listed
<b>USA TSCA (Toxic Substance Control Act)</b>	All chemicals listed
<b>Canada WHMIS Classification</b>	D2B – Eye Irritant
<b>15.2 Chemical Safety Assessment:</b>	May cause eye irritation

**SECTION XVI: ADDITIONAL INFORMATION**

**Hazard statement(s) and Precautionary statement(s)**

H319 – Causes serious eye irritation. H335 – May cause respiratory irritation. P261 – Avoid breathing dust. P264 - Rinse hands, face thoroughly after handling. P271 - Use outdoors or in a well-ventilated area. P280 - Wear eye protection as needed. 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. P312 - Call a doctor if you feel unwell. P337 + P313 - If eye irritation persists: Get medical advice/attention. P403 + P233 - Store in a well-ventilated place. Keep container tightly closed. P405 - Store locked up. P501 - Dispose of contents/container to sanitary landfill.

**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.

**Data Sources:**

US OSHA GHS classification parameters. This product has been classified in accordance with the hazard criteria of the *Controlled Products Regulations* and the MSDS contains all the information required by the *Controlled Products Regulations*. Various toxicological sources.

**SECTION X: PREPARATION INFORMATION**

<b>Prepared by:</b> WORX Environmental Products	<b>Telephone:</b> 1-800-424-9679	<b>Date:</b> October 21, 2016	<b>Replaces:</b> N/A
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