

SAFETY DATA SHEET

Laundry Detergent

42304, 42307



Armstrong Manufacturing Inc.

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IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND OF THE COMPANY

Use of Preparation: Laundry Detergent

Company Identification:

Armstrong Manufacturing Inc.
2485 Haines Road
Mississauga, ON
L4Y 1Y7

Company Emergency Telephone Number(s):

Emergency Phone: 866-627-6588

Transportation Emergency Telephone Number(s):

CANUTEC 613-996-6666 or *666 for cell phone

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HAZARD IDENTIFICATION

GHS Hazards: Skin corrosion/irritation Category 2 H315
Serious eye damage/eye irritation Category 1 H318

Hazard Pictograms :



GHS Label Elements, Including Precautionary Statement

Signal Word: DANGER

Hazard

Statements: Causes skin irritation. Causes serious eye damage.

Response: IF ON SKIN: wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. IF SKIN irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

COMPOSITION / INFORMATION ON INGREDIENTS



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Chemical Description: Chemical Blend

Ingredient Name	CAS#	Classification	% by Wt
Sodium Dodecylbenzenesulfonate	25155-30-0	Acute toxicity,oral Category 4 H302 Skin corrosion/irritation Category 2 H315 Serious eye damage/eye irritation Category 2A H319	1-5
Sodium Xylenesulphonate	1300-72-7	Serious eye damage/eye irritation Category 2A H319 Acute toxicity,dermal Category 5 H313	7-13
Alcohols, C12-15, Ethoxylated	68131-39-5	Skin corrosion/irritation Category 2 H315 Serious eye damage/eye irritation Category 1 H318	7-13

4 FIRST AID MEASURES

Inhalation:	Inhalation should not pose a serious health threat. If condition does occur, contact physician immediately.
Eye Contact:	Remove contacts. Flush with water for at least 20 minutes, occasionally lifting the upper and lower eyelids. Repeat if required. If irritation persists get medical attention.
Skin Contact:	Flush skin with plenty of water, for at least 15 minutes, while removing contaminated clothing. Call physician immediately. Wash contaminated clothing before reuse.
Ingestion:	DO NOT induce vomiting. Rinse mouth with water, then drink one glass of water. Seek medical attention. Never give anything by mouth if victim is unconscious or convulsing.
Most Important Symptoms and Effects:	no available data
Notes to Physician:	Treatment based on judgment of attending physician.

5 FIRE FIGHTING MEASURES

Suitable extinguishing media:	As appropriate for burning of surrounding products
Unsuitable extinguishing media:	No data available
Special exposure hazards:	No data available
Special safety equipment:	Self contained breathing apparatus and full protective clothing required for extinguishing fire.

Fire and explosion: Not considered to be a fire or explosive hazard

Further information: Decomposition may release toxic oxides of carbon, nitrogen and sulphur

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Wear suitable personal protective equipment. Do not get in eyes, on skin or clothing.

For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Stop leak if safe to do so. Ventilate area.

Environmental Precautions: Prevent entry to sewers and public waters.

Methods and Material for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Recover and reuse as much of the product as possible. Absorb remainder with inert absorbent, such as vermiculite. Scoop up absorbent and place in corrosion-resistant containers, such as plastic, for disposal. Flush area with lots of water to remove slippery residue.

Reference to Other Sections: See Heading 8. Exposure controls and personal protection.

7 HANDLING AND STORAGE

Precautions for safe handling: Avoid contact with skin and eyes. Wear proper protective equipment

Information about fire and explosion protection: No special measures required.

Requirements to be met by storerooms and receptacles: Keep away from incompatible materials, (see section 10) Store in a cool and dry location.

Information about storage in one common storage facility: Store away from foodstuffs. Store in a cool, dry area. Keep away from incompatible materials, (see Sect. 10)

Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles. Rustproof materials recommended for packaging.

Specific end use: No further relevant information available.

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EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory protection:	Normally not required. Mechanical ventilation should be adequate.
Hand protection:	Rubber gloves
Eye protection:	Safety glasses, or chemical goggles.
Skin protection:	As required by workplace standards.
Working hygiene:	Take usual precautions when handling. Workers should wash hands before eating, drinking or smoking.
Exposure Guidelines:	A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.

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PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Appearance:	translucent to clear blue foamy liquid
Molecular Weight:	No Data Available
Odour:	perfumed
Odour Threshold:	No Data Available
pH:	11.5-12.5
Melting Point:	No Data Available
Boiling Point:	No Data Available
Flash Point:	No Data Available
Evaporation Rate (BuAc=1):	No Data Available
Flammable Limits in Air:	No Data Available
Upper Flammability Limit:	No Data Available
Lower Flammability Limit:	No Data Available
Vapour Density (Air=1):	No Data Available
Vapour Pressure:	No Data Available
Specific Gravity:	1.04-1.05
Solubility in Water:	Complete
Log Pow (calculated):	No Data Available
Autoignition Temperature:	No Data Available
Decomposition Temperature:	No Data Available
Viscosity:	As Water
Solubility in other Solvents:	No Data Available
Partition Coefficient: n-octanol / Water:	No Data Available
Kinematic Viscosity:	No Data Available
Dynamic Viscosity:	No Data Available
Explosive Properties:	No Data Available
Percent Volatile by Volume:	No Data Available

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STABILITY AND REACTIVITY

Reactivity:	Normally stable.
Chemical stability:	Stable under recommended handling and storage conditions (see section 7).



Thermal decomposition conditions to avoid: not known

Possibility of hazardous reactions: not known

Conditions to avoid: Unintentional contact with water, acid and moisture. Keep containers tightly closed , when not in use.

Hazardous decomposition products: Caustic fumes, potassium oxides

Materials to avoid: Strong acids, reactive metals, and ammonium salts.

Hazardous polymerization: none

11 TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity: please see below

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Symptoms: No data available

Sensitization: No sensitizing effects known

Mutagenic Effects: no data available

Carcinogenicity: please refer to below table

Reproductive Toxicity: No data available

STOT single exposure: no data available

STOT repeated exposure: no data available

Chronic Toxicity: no data available

Target Organ Effects: no data available

Aspiration hazard: no data available

Listed Ingredients:

Alcohols, C12-15, Ethoxylated	LD 50 (dermal) >2000mg/kg rabbit LD 50 (oral) >3200 mg/kg rat
Sodium Xylenesulphonate	LD 50 (oral) 7200 mg/kg Rat LD 50 (dermal) >2000mg/kg rabbit

Sodium Dodecylbenzenesulfonate

LD 50 (dermal) >2000mg/kg rabbit
LD 50 (oral) > 1000 mg/kg Rat

12 ECOLOGICAL INFORMATION

Toxicity:	No data available for product.
Persistence and Degradability:	No Data Available
Bioaccumulative Potential:	No Data Available
Mobility in Soil:	No Data Available
Other Information:	No Data Available
Aquatic Toxicity:	No Data Available
Toxicity to algae, fish, invertebrates:	No Data Available
Biodegradation:	No Data Available

13 DISPOSAL

Waste Disposal Recommendations:	Dispose of waste material in accordance with all local, regional, national, and international regulations.
Ecology – Waste Materials:	Avoid release to the environment.
Empty Containers:	Reuse if possible or triple rinse and dispose according to local, provincial, state and federal regulations

14 TRANSPORTATION INFORMATION

Department	Proper Shipping Name	Contains	Hazard Class	UN#	Packing Group
Canadian TDG (Road & Rail)	Not Regulated				

Please note: This shipping description is of a general nature only. It does not consider package sizes, modes of transport and other specific circumstances. Appropriate regulations should be referenced, and handling for transportation of dangerous goods/hazardous materials should be performed by trained personnel only.

REGULATION



StrongArm™

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OSHA/WHMIS 2015 Classification: Corrosive to Eyes
Skin Irritant

California PROP 65: no ingredients listed

Cdn Domestic Substance List (DSL): All Ingredients Listed

HMIS III Rating

Health:
Flammability:
Physical:
Personal Protection:

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OTHER INFORMATION

Prepared by:
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Issuing Date	Version#	Reason for Revision
Nov 21, 2016	1	

Disclaimer:

The manufacturer warrants that this product conforms to its standard specification when used according to direction. To the best of our knowledge the information contained herein is accurate. However we do not assume accuracy or completeness of the information contained herein.

Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

End of Safety Data Sheet