

MATERIAL SAFETY DATA SHEET

Material Name: Formula DX280-1x. Multi-Purpose Soap Concentrate
Issue Date: 08/01/2009
MSDS No.: Formulas DX280-1x

Section 1- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Chemical Name: Colloid
Internal Part Number: DX280-1x
Product Use: Cleaner - Degreaser
Mfg. Part #: Formula DX280-1x
Brand Names: LCR Bio-Ag Wash
Synonyms: Soap, Cleaners
Sup. Part #: Not applicable

Manufacturer Information:
Larson Century Ranch, Inc.
P.O. Box 1982

Clarkston WA 99403
Phone: (509)758-5445

Section 2 – COMPOSITION/INFORMATION ON INGREDIENT

Component Information/Information on Non-Hazardous Components:
All components have been identified and evaluated under the criteria
specified in 29 CFR 1910.1200 (Hazard Communication Standard).

Section 3 – HAZARDS IDENTIFICATION

Overview: Product is slightly viscous, clear-amber solution.

Potential Health Effects:

Eyes: This product may cause irritation to the eyes after direct contact.

Skin: Exposure to skin is not likely to result in irritation or redness. There
is no level of toxicity associated with the material being absorbed through
the skin.

Ingestion: there is no level of toxicity associated with ingestion of this
product. However, ingesting very large amounts may cause minor
gastrointestinal distress (such as diarrhea, due to emulsification of grease
and oil in the digestive tract).

Section 4 – FIRST AID MEASURES

Eyes: In case of direct contact with eyes, rinse with water if irritation occurs

Skin: If desired wash after handling; but no level of toxicity is associated
with the material being absorbed through the skin.

Ingestion: There is no known level of toxicity associated with ingestion
of this product. (see above, Section #3)

Inhalation: There is no level of toxicity associated with the material
being inhaled. If desired, remove to fresh air.

Section 5 – FIRE FIGHTING MEASURES

Flash Point: Not established, but >200F
Method Use: Not available
Upper Flammable Limit (UFL): Not applicable
Lower Flammable Limit (LFL): Not applicable
Auto Ignition: Not applicable

Flammability Classification: Non-flammable

Rate of Burning: Not applicable

General Fire Hazards: This product is an aqueous mixture that will not
burn. Hazardous Combustion Products: Upon decomposition, this prod
emits carbon dioxide.

Extinguishing Media: Use extinguishing media appropriate to surroundin
fire conditions.

NFPA Ratings: Health: 0 Fire: 0 Reactivity: 0 Other: 0

HMIS Ratings: Health: 0 Fire: 0 Reactivity: 0 Other: 0

Personal Protection: None

Section 6 - ACCIDENTAL RELEASE MEASURES

Containment Procedures: None necessary.

Clean-Up Procedures: Rinse area with water. Dispose of material in
accordance with local regulations.

Evacuation Procedures: Not necessary.

Special Instructions: Surfaces may become slippery after spillage.

Section 7 – HANDLING AND STORAGE

Procedures for Handling: No special precautions required.

Recommended Storage Methods: N/A

Section 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines:

A. General Product Information

None required.

B. Component Exposure Limits

No ACGIH, NIOSH OR OSHA exposure guidelines listed for this product's
components.

Engineering Control: Use general ventilation.

Personal Protective Gear:

Eye/Face: None required for normal usage.

Skin: None required.

Respiratory: None required

General: None required.

Section 9 – PHYSICAL & CHEMICAL PROPERTIES

Appearance: Clear Amber
Physical State: Slightly Viscous Liquid
Vapor Pressure: Not available
Boiling Point: 213 Degrees F @ 760 mm Hg
Melting Point: Not applicable
Specific Gravity: 1.1119 (Water=1)
Softening Point: Not applicable
Viscosity: Not available
Percent Volatile: Not applicable
Odor: None
PH: 9.85 to 10.35
Vapor Density: Not available
Freezing Point: 29 Degrees F
Solubility (H2O): Complete
Particle Size: 2 to 4 nanometers
Evaporation Rate: Not applicable
Bulk Density: Not applicable
Molecular Weight: Mixture
Additional Properties: No additional properties available

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Section 10 – CHEMICAL STABILITY & REACTIVITY INFORMATION

Chemical Stability: Stable.
Conditions to Avoid: None documented.
Incompatibility: None documented.
Hazardous Decomposition Products: Upon decomposition, this product emits carbon dioxide.
Hazardous Polymerization: Will not occur

Section 11 – TOXICOLOGICAL INFORMATION

Acute Toxicity/Target Organ Information
A. General Product/Component Information
No irritation or toxicity associated with this product.
B. Component LD50/LC50 – Not applicable – NO such testing conducted on animals. NO toxicity associated with this product.
Epidemiology: No information available.
Carcinogenicity
A. General Product/Component Information
None Identified.
B. Component Carcinogenicity Listings
None of this product's components are listed by ACGIH, IARC, NIOSH, NTP, or OSHA.
Neurotoxicity: None
Mutagenicity: None
Other Information: None available.

Section 12 – ECOLOGICAL INFORMATION

Ecotoxicity: There is no known ecotoxicity associated with this product.
Environmental Fate: This product is readily biodegradable.

Section 13 – DISPOSAL CONSIDERATIONS

US EPA Waste Number & Description
A. General Product Information: Not listed by the EPA as a hazardous waste.
B. Component Waste Number: No EPA Waste Numbers are applicable for this product's components.
Disposal Instructions: Clean spill area and dispose of waste in accordance with all applicable federal, state and local regulations.

Section 14 – TRANSPORTATION INFORMATION

DOT Information
Shipping Name: Non-regulated
Hazard Class: NA
UN/NA: NA
Packing Group: NA
Label(s) Required: None
Additional Shipping Information: None
International Transportation Regulations: NA.

Section 15 – REGULATORY INFORMATION

US Federal Regulations

A. General Product Information
No information available.
B. Component Information
None of this product's components are listed under SARA Section 302 (40CFR Appendix A), SARA Section 313 (40CFR 372.65) or CERCLA (40CFR 302.4).
All of this product's components are on the EPA's TSCA Inventory
All of this product's components are on the FDA's GRAS list

State Regulations

A. General Product Information
No information available
B. Component Information N/A
Other Regulations

Local Regulations

A. General Product Information
No information available.
B. Component Information N/A
Other Regulations

Section 16 – OTHER INFORMATION

Other Information:

Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representation and assumes no liability for any direct, incidental or consequential damages resulting from, its use. The above sets forth technical data supplied to the manufacturer has been edited to avoid disclosure of proprietary information and avoid redundancy. All inquiries concerning the content of this document should be directed to the Distributor or Manufacturer.

Key/Legend

Y=Yes; N=No; EPA=Environmental Protection Agency; TSCA=Toxic Substance Control Act; ACGIH= American Conference of Governmental Industrial Hygienists; FDA=Food and Drug Administration, GRAS=Generally Regarded As Safe, IARC=International Agency for Research Cancer; NIOSH=National Institute for Occupational Safety and Health; NTP=National Toxicology Program; OSHA=Occupational Health and Safety Administration; NA= Not available or applicable; g=grams; ml=milliliter; C=Celsius; F=Fahrenheit; DOT=Department of Transportation.

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