

SAFETY DATA SHEET



Date Prepared : 06/03/2015
SDS No : 1L.30

Dual Plus

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Dual Plus
GENERAL USE: Laundry Detergent
PRODUCT CODE: 1L.30

MANUFACTURER

Centraz Industries Inc.
4051 BINGHAM AVE
ST. LOUIS, MO 63116
Customer Service: 314-752-7627

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (US Transportation & Medical) : (800) 424-9300

2. HAZARDS IDENTIFICATION

GHS LABEL

GHS Classification: No need for classification according to the GHS criteria for this product. This product does not require hazard warning labels in accordance with GHS criteria.

HAZARD STATEMENTS

H320: Causes eye irritation.
H315: Causes skin irritation.
H302: Harmful if swallowed.

POTENTIAL HEALTH EFFECTS

EYES: Contact may cause eye irritation.

SKIN: May cause irritation.

INGESTION: Harmful if swallowed.

INHALATION: Prolonged or excessive inhalation may cause sinus irritation

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Linear Primary Alcohol Ethoxylate	14 - 16	68439-46-3
Methyl Bis(tallow Amido Ethyl) 2-hydroxyethyl Ammonium Methyl Sulfate, Ethoxylated	1 - 3	68410-69-5
Ethanol, 2, 2', 2"-nitrilotris	1 - 2	102-71-6

4. FIRST AID MEASURES

EYES: Immediately flush eyes with large amounts of water for at least 15 minutes, if contact lenses are present remove after 5 minutes and continue flushing, lifting eyelids occasionally to facilitate irrigation. If irritation persists get medical attention.

SKIN: Flush skin with water until all chemical is removed. Remove contaminated clothing and wash before reuse. Get medical attention if needed.

INGESTION: Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

INHALATION: Move to fresh air. Call a physician or poison control center immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

5. FIRE FIGHTING MEASURES

FIRE FIGHTING PROCEDURES: Use any standard agent-choose the one most appropriate for type of surrounding fire.

6. ACCIDENTAL RELEASE MEASURES

GENERAL PROCEDURES: Dike and contain. Mop up or pick up with wet dry vacuum. Watch out for slippery conditions when spilled.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: KEEP OUT OF REACH OF CHILDREN

HANDLING: Avoid contact with eyes, skin, or clothing. Consider normal working hygiene.

STORAGE: Do not store in food areas.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Use local exhaust at filling zones and where leakage is probable.

9. PHYSICAL AND CHEMICAL PROPERTIES

ODOR: Fresh Floral

COLOR: Blue

PHYSICAL STATE COMMENTS: Liquid

pH: 9.5 to 10.5

PERCENT VOLATILE: 70

FLASH POINT AND METHOD: No information Available

FLAMMABLE LIMITS: No information Available

AUTOIGNITION TEMPERATURE: No information Available

VAPOR PRESSURE: No information Available

VAPOR DENSITY: No information Available

BOILING POINT: No information Available

FREEZING POINT: No information Available

MELTING POINT: No information Available

POUR POINT: No information Available

SOLUBILITY IN WATER: Complete

EVAPORATION RATE: No information Available

DENSITY: 8.5

SPECIFIC GRAVITY: 1.019

VISCOSITY: No information Available

MOLECULAR WEIGHT: No information Available

(VOC): No information Available

OXIDIZING PROPERTIES: No information Available

10. STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: No

STABILITY: Stable Under Normal conditions.

CONDITIONS TO AVOID: Keep Containers Closed

HAZARDOUS DECOMPOSITION PRODUCTS: Combustion will produce carbon dioxide and possibly toxic chemicals such as carbon monoxide.

INCOMPATIBLE MATERIALS: Strong acids, strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

ACUTE

Chemical Name	ORAL LD ₅₀	DERMAL LD ₅₀
Linear Primary Alcohol Ethoxylate	1400 to 2700	> 4000

12. ECOLOGICAL INFORMATION

COMMENTS: THIS PRODUCT HAS NOT BEEN TESTED.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of in accordance with federal, state, and local regulations.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

SPECIAL SHIPPING NOTES: DOT CLASS: NOT REGULATED # NON-HAZARDOUS FOR AIR, SEA AND ROAD FREIGHT.

15. REGULATORY INFORMATION

UNITED STATES

TSCA (TOXIC SUBSTANCE CONTROL ACT)

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Ethanol, 2, 2', 2"-nitrioltris	102-71-6

16. OTHER INFORMATION

Date Prepared: 06/03/2015

MANUFACTURER DISCLAIMER: The information presented herein is believed to be accurate but is not warranted. Recipients are advised to confirm in advance that the information is current, applicable and suitable to their circumstances.