

Issue Date 22-Jan-2016

Revision 31-May-2016

Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product Name: DUPALOID

Product Number: 16000

CAS Number: Blend

Company Identification

St. George Technology

PO Box 12410

Wilmington, NC 28405 USA

(910)-397-0781 (For product information)

1-800-535-5053 INFOTRAC (For emergencies)

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

WARNING: Overexposure to Aluminum Sulfate (or it's components) has been suggested as a cause of the following effects in humans: Lung damage and eye damage.

GHS Classification:

Skin Corrosion/Irritation-Category 5

Acute Toxicity, Inhalation - Category 5

GHS Hazard Symbols:

Irritant



EYE:

Causes eye irritation.

SKIN:

Causes skin irritation.

INHALATION:

Prolonged or excessive inhalation may cause respiratory tract irritation.

INGESTION:

Can cause nausea and vomiting.



CHRONIC EFFECTS:

May cause lung and eye damage.

REPRODUCTIVE HAZARDS:

None.

CARCINOGENICITY INFORMATION:

No known cancer hazards.

3. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT LISTING:

Chemical Name	Amount	CAS Number
GLYCERINE	15.0 %	56-81-5
ALUMINUM SULFATE	0.2 %	10043-01-3

This product contains hazardous materials as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200.

As defined under Sara 311 and 312, this product contains materials that are acute, chronic hazards.

4. FIRST AID MEASURES

EYE CONTACT FIRST AID:

In case of contact, immediately flush eyes with plenty of water, lifting upper and lower lids, for at least 15 minutes. Get immediate medical attention.

SKIN CONTACT FIRST AID:

Wash skin with soap and water. Remove contaminated clothing and shoes. Get medical attention if irritation develops. Launder clothing before re-use.

If cool wax contacts skin, wash with warm soapy water.

INHALATION FIRST AID:

If inhaled, remove to fresh air. If breathing is difficult, have qualified personnel administer oxygen. Contact a physician immediately.

INGESTION FIRST AID:

Contact a physician immediately. Do not induce vomiting. If conscious, give water to dilute. Never give anything to an unconscious or convulsing person.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

COC Flash Point: N/A

Autoignition Temperature: N/A

FLAMMABLE LIMITS IN AIR

LEL: N/A



UEL: N/A

EXTINGUISHING MEDIA:

Use alcohol foam or dry chemical.

FIRE & EXPLOSION HAZARDS:

None known.

FIRE FIGHTING INSTRUCTIONS:

As in any fire, wear self-contained breathing apparatus in the positive pressure-demand NIOSH (approved or equivalent) and full protective gear. Cool fired exposed containers with water.

COMBUSTION PRODUCTS:

Carbon monoxide, carbon dioxide.

6. ACCIDENTAL RELEASE MEASURES

LARGE SPILLS PROCEDURE:

Wait until gel is formed and pick-up to dispose of.

Wear respirator and protective clothing as appropriate. Shut off source of leak. Dike & contain. Allow wax to cool and remove as solid.

SMALL SPILLS PROCEDURE:

Same as large spill.

7. HANDLING AND STORAGE

HANDLING (PERSONNEL):

Avoid contact with the eyes, skin and clothing. Avoid breathing mists. Wear protective clothing and equipment. Use with adequate ventilation. Wash thoroughly with soap and water after handling. Keep containers closed when not in use.

STORAGE PRECAUTIONS:

Avoid excessive hot or freezing areas. Store in a cool, dry, well-ventilated place.

MISCELLANEOUS:

Do not reuse containers. Empty containers retain product residues can be hazardous. Follow all SDS precautions when handling empty containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EYE / FACE PROTECTION REQUIREMENTS:

Use safety glasses with side shields or chemical splash goggles.

SKIN PROTECTION REQUIREMENTS:

Use natural rubber, neoprene or polyvinyl gloves and protection.

RESPIRATORY PROTECTION REQUIREMENTS:



If exposure exceeds exposure limits, use NIOSH approved respirator.

MISCELLANEOUS:

Use general or local ventilation.

EXPOSURE GUIDELINES:

GLYCERINE

OSHA PEL: 10 mg/m³

OSHA TWA: 10 mg/m³

ALUMINUM SULFATE

OSHA TWA: 2 mg/m³

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM:	Gel
COLOR:	Blue
ODOR:	No odor
BOILING POINT:	212 F
VAPOR PRESSURE:	3 mm Hg
VAPOR DENSITY:	3.1 (Air = 1)
SOLUBILITY IN WATER:	Complete
SPECIFIC GRAVITY:	1.1 (Water = 1)
% VOLATILES:	30 %

10. STABILITY AND REACTIVITY

STABILITY:

Stable.

POLYMERIZATION:

Product will not undergo polymerization.

INCOMPATIBILITY WITH OTHER MATERIALS:

Avoid contact with strong oxidizing agents, alkalies, alkali metals.

DECOMPOSITION:

Glycerin may liberate acrolein.

11. TOXICOLOGICAL INFORMATION

GLYCERINE

Test Code: Oral LD50

Species: Rat

Results: 12600 mg/kg

Test Code: Oral LD50

Species: Mouse

Results: 26000 mg/kg



ALUMINUM SULFATE

Test Code: Oral LD50
Description: Acute Oral Effects
Species: Mouse
Results: 6207 mg/kg

Test Code: Lymphocyte Study
Description: Mutagenicity
Species: Human
Results: 20 mg/L caused sister chromatid exchange.

Test Code: Intraperitoneal
Description: Reproductive
Species: Mouse
Results: 800 mg/kg administered from 10-13 days of pregnancy affected newborn growth statistics and behavior.

12. ECOLOGICAL INFORMATION

ALUMINUM SULFATE

Test Code: TLM
Species: Mosquito Fish
Results: 235 ppm/96 hr

Test Code: LC50
Species: Largemouth Bass
Results: 250 ppm/96 hr

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

Dispose of waste material in accordance with all local, state / provincial, and national requirements.

14. TRANSPORT INFORMATION

PRODUCT LABEL:	DUPALOID
D.O.T. SHIPPING NAME:	N/A
TECHNICAL SHIPPING NAME:	N/A
D.O.T. HAZARD CLASS:	N/A
UN NUMBER:	N/A

15. REGULATORY INFORMATION

REGULATORY LISTS SEARCHED:

01 = SARA 313	02 = CA Proposition 65
03 = SARA 302/304	04 = CERCLA 302.4
05 = ACGIH TWA	06 = ACGIH STEL
07 = ACGIH CALC TLV	08 = OSHA PEL



09 = CANADIAN WHMIS

10 = OSHA Ceiling

EEC Symbols and Indications of Danger:

Harmful (Xn), Irritant (Xi)



R-Phrases:

R20/21 - Harmful by inhalation and in contact with skin.

R36/38 - Irritating to eyes and skin.

R37 - Irritating to respiratory system.

S-Phrases:

S3/9 - Keep in a cool, well-ventilated place.

WHMIS Hazard Symbols:

Class D2 - Materials Causing Other Toxic Effects



CERCLA Hazardous Substances

ALUMINUM SULFATE (10043-01-3) -- RQ 5000 lb

16. OTHER INFORMATION

REASON FOR ISSUE:	New Product
TITLE:	Quality Manager
APPROVAL DATE:	January 22, 2016
SUPERCEDES DATE:	January 22, 2016
RTN NUMBER:	00061112 (Official Copy)

HMIS Rating:

Health - 1
Flammability - 0
Reactivity - 0

NFPA Rating:

Health - 1
Flammability - 0
Reactivity - 0

ABBREVIATIONS USED IN THIS MSDS:



TLV - THRESHOLD LIMIT VALUE
STEL - SHORT TERM EXPOSURE LIMIT
RQ - REPORTABLE QUANTITY
C - CEILING LIMIT
NDA - NO DATA AVAILABLE

TWA - Time Weighted Average
TPQ - Threshold Planning Quantity
PEL - Permissible Exposure Limit
CAS - Chemical Abstract Service Number
N/A - Not Applicable or Not Available

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

END OF SAFETY DATA SHEET

