



Safety Data Sheet

Better Chemistry. Better Business

DEVELOP 40 PLUS

Revised: 6/27/19

1 IDENTIFICATION

Product Name: DEVELOP 40 PLUS

Product Code :2705008

Recommended use of the chemical and restrictions on use:Industrial applications

Hubbard-Hall Inc.

563 South Leonard Street

Waterbury, CT 06708

Telephone: 203-756-5521

Fax number: 203-756-9017

Emergency Phone Number

CHEMTREC: 1 (800) 424-9300

International: 1 (703) 527-3887

2 HAZARDS IDENTIFICATION



Signal Word: WARNING

Hazard Category: Skin Corrosion/Irritation Hazard Category 2

Eye Damage/Irritation Hazard Category 2A

Specific Target Organ Toxicity (Single Exposure) Hazard Category 3

Hazard Statements: Causes skin irritation.

May cause respiratory irritation.

Causes serious eye irritation.

Prevention: Avoid breathing dust, fumes, gas, mist, vapors and sprays.

Wash skin thoroughly after handling.

Use only outdoors or in well ventilated area.

Wear protective gloves, chemical protective clothing, eye protective goggles and face shield for face protection.

Response: If inhaled: Remove person to fresh air and keep comfortable for breathing. Call poison center/doctor if you feel unwell.

If in eyes: Wash cautiously with water for several minutes. Remove contact lenses if present and easy to do Continue rinsing. If eye irritation persists, get medical attention

If on skin: Wash with plenty of water.

If skin irritation occurs: Get Medical advice/attention.

Take off contaminated clothing and wash it before reuse.

Storage: Store locked up.

Store in well ventilated place. Keep container tightly closed.

Disposal: Dispose of contents/container in accordance with local, regional, national, or international regulations.

Components with Unknown Dermal = 2% Inhalation = 100%

Acute Toxicity

3 COMPOSITION INFORMATION

Chemical Name	Common Name And Synonyms	CAS No. and other Unique identifiers	Concentration %
Potassium Carbonate	PotCarb	584-08-7	~40%
Tetrasodium ethylenediaminetetraacetate	-	64-02-8	~2%

4 FIRST AID

After Inhalation:

Move to fresh air. If breathing is difficult, give oxygen. If breathing stops, provide artificial respiration. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one way valve or other proper respiratory device. Call a physician or poison control center immediately.

After Skin Contact:

Take off immediately all contaminated clothing. Wash off IMMEDIATELY with plenty of water for at least 15-20 minutes. Get medical attention immediately! Wash clothing separately before reuse. Destroy or thoroughly clean all contaminated shoes.

After Eye Contact:

Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Call a physician or poison control center immediately.

After Ingestion:

If swallowed: Rinse mouth. Call a doctor.

Most Important Symptoms/Effects

Inhalation:

May cause irritation and inflammation in nose, throat and lungs.

Eye:

Severe eye and or skin irritation or burns.

Skin:

Prolonged exposure may cause skin irritation.

Ingestion:

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Indication of immediate medical attention:

Get medical attention if irritation occurs or persists, if breathing or swallowing is difficult and if not feeling well after exposure.

Indication of immediate medical attention:

Severe respiratory irritation.

5 FIRE FIGHTING MEASURES

Suitable and Unsuitable extinguishing media:

In case of fire: Use water, foam, chemical extinguisher or carbon dioxide.

Specific hazards arising from the chemical:

Sodium oxides, silicon oxides

Special protective equipment and precautions for firefighter Wear chemical resistant protective equipment and self contained breathing apparatus (SCBA).

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, & Emergency Proc Wear appropriate chemical protection equipment such as gloves, face-shield, goggles and suitable body protection to prevent contamination of skin, eyes and personal clothing.

Methods and Materials for containment & cleaning up: If trained in accordance 29 CFR 1910.120, leaks should be stopped. Spills should be contained and cleaned immediately. Persons performing clean up work should wear adequate personal protective equipment and clothing. Spills and releases should be reported, if required, to the appropriate local, state and federal regulatory agencies.

7 HANDLING AND STORAGE

Precautions for safe handling: Wear rubber protective gloves, chemical protective clothing, eye protective goggles and face shield for face protection.

Conditions for safe storage, inc any incompatibilities: Store in well ventilated place. Keep container tightly closed.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Name	Std.	TWA-8hrs	STEL - 15 min.
Potassium Carbonate	not established		
Tetrasodium ethylenediaminetetraacetate	Not established		

ACGIH - American Control of Governmental Hygienists

OSHA - Occupational Safety and Health Administration

Ventilation: Local exhaust is required to remove mist.

Respiratory Protection: A respiratory protection program that meets OSHA 29 CFR 1910.134 and ANSI 788.2 or applicable federal requirements must be followed whenever work place conditions warrant respirator use. NIOSH's Respirator Decision Logic" may be useful in determining the suitability of various types of respirators.

Protective Gloves: Rubber gloves

Eye Protection: Wear chemical safety goggles with face shield.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear colorless liquid

Odor: Mild odor

Odor Threshold: N/A

PH: 13-13.8

Melting Point/Freezing Point: N/A

Initial Boiling Point and Boiling Range: N/A

Flash Point: N/A

Evaporation Rate: N/A

Flammability (solid, gas): N/A

Upper/Lower flammability or explosive limits: N/A

Vapor Pressure: N/A

Vapor Density: N/A

Relative Density:	1.4
Solubility (ies):	Complete in water
Partition Coefficient; n-octanol/water:	N/A
Auto-ignition Temperature:	N/A
Decomposition Temperature:	N/A
Viscosity:	N/A

10 STABILITY AND REACTIVITY

Possibility of Hazardous Reactions:	Low
Conditions to Avoid:	Extremely high temperatures
Incompatible Materials:	Strong acids, Lead, Tin/tin oxides, Zinc, Aluminum
Hazardous Decomposition Products:	not known

11 TOXICOLOGICAL INFORMATION

Oral Administration:	Potassium Carbonate-LD50(Rat)-2000 mg/kg
Oral Administration:	Tetrasodium Ethylenediaminetetraacetate-LD50(Rat)-1000-2000 mg/kg
Inhalation:	Potassium Carbonate-LC50(Rat)->4.96 mg/L
Dermal administration:	Not established for this product
Immediate effects:	Irritation or burns to skin, eyes and respiratory system
Long term exposure:	Severe irritation or burns to skin, eyes and respiratory system
Cancer Hazard:	Not listed by IARC, NTP, OSHA, ACGIH
Routes of Exposure	Eyes, Skin, Inhalation, Ingestion

12 ECOLOGICAL INFORMATION

Daphnia Magna,	Potassium Carbonate-EC50=430 mg/L
Persistence and Degradability:	Not Available
Abiotic degradability:	No data available
Biotic degradability:	No data available
Bioaccumulation potential:	No data available
Water result:	Disperses in water.
Soil/Sediment Result:	Pronounced solubility and mobility

13 DISPOSAL CONSIDERATION

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

14 TRANSPORT INFORMATION

UN Number:	
UN Proper Shipping Name:	NOT DOT REGULATED
Packing Group:	
ERG:	
Marine Pollutant(Y/N):	N/A

15 REGULATORY INFORMATION

HMIS: Health: 3 Flammability: 0 Reactivity: 0

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Sara Hazard Classification	The chemicals in this product are not subject to SARA Title III , Section 313 Reporting Requirements.
Proposition 65	No Proposition 65 listed components in this formula
TSCA Inventory Status	All components of this product are on the TSCA inventory or are exempt from TSCA inventory requirements .

16 OTHER INFORMATION

Disclaimer:	The information is based on our knowledge to date but does not constitute an assurance of product properties and does not imply a legal contractual relationship.
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