

SAFETY DATA SHEET

FORCE 2-0-7

Page: 1 of 6

Revision: 04/12/2019

Supersedes Revision: 10/31/2018

1. Product and Company Identification

Product Code: Z-FORCE207
Product Name: FORCE 2-0-7
Trade Name: STOLLER'S FORCE 2-0-7
Company Name: Stoller
9090 Katy Freeway
Suite 400
Houston, TX 77024
Phone Number:
1 (713)461-1493
Web site address: www.stollerusa.com
Email address: compliance@stollerusa.com
Emergency Contact: CHEMTREC, In the US and Canada call 1 (800)424-9300
CHEMTREC, From other countries call +1 (703)527-3887
Information: 1 (800)539-5283
Intended Use: For agricultural use only
Synonyms: Nitrogen and Potassium fertilizer solution.

2. Hazards Identification

Acute Toxicity: Oral, Category 4

Acute Toxicity: Skin, Category 5



GHS Signal Word: **Warning**

GHS Hazard Phrases: H320 - Causes eye irritation.
H333 - May be harmful if inhaled.
H302 - Harmful if swallowed.
H313 - May be harmful in contact with skin.

GHS Precautionary Phrases: P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P264 - Wash hands thoroughly after handling.
P233 - Keep container tightly closed.
P270 - Do not eat, drink or smoke when using this product.

GHS Response Phrases: P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
P330 - Rinse mouth.

GHS Storage and Disposal Phrases: P501 - Dispose of contents/container to permitted waste facility.

Inhalation: Prolonged exposure to vapors may cause very mild irritation of respiratory tract.
Skin Contact: May cause discomfort, skin irritation.
Eye Contact: Contact with product may cause slight to mild irritation.
Ingestion: May cause slight gastrointestinal discomfort.

SAFETY DATA SHEET

FORCE 2-0-7

Page: 2 of 6

Revision: 04/12/2019

Supersedes Revision: 10/31/2018

3. Composition/Information on Ingredients

CAS #	Components (Chemical Name)	Concentration	RTECS #
7757-79-1	Potassium nitrate	<20.0 %	TT3700000

4. First Aid Measures

Emergency and First Aid Procedures:	Victims of severe exposure to chemicals must be taken to health providing centers for medical attention. If necessary, also rescuers must be attended. Always bring with victim a copy of label and SDS of product to health professional.
In Case of Inhalation:	Move patient to fresh air. Supplemental oxygen may be needed. Assure mucous does not obstruct airways. Seek medical attention if victim's breathing becomes difficult.
In Case of Skin Contact:	Take off contaminated clothing and rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.
In Case of Eye Contact:	Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.
In Case of Ingestion:	Immediately contact a physician or poison control center for treatment advice. Victim should drink milk, egg whites or large quantities of water and be induced to vomiting. Never give anything by mouth to someone who is unconscious, having convulsions or unable to swallow.
Note to Physician:	Treat symptomatically and supportively.

5. Fire Fighting Measures

Flash Pt:	N.A.
Explosive Limits:	LEL: No data. UEL: No data.
Autoignition Pt:	No data.
Suitable Extinguishing Media:	Use water spray, dry chemical, carbon dioxide, or appropriate foam. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable Extinguishing Media:	None known.
Fire Fighting Instructions:	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.
Flammable Properties and Hazards:	None known.
Hazardous Combustion Products:	None known.

6. Accidental Release Measures

Protective Precautions, Protective Equipment and Emergency Procedures:	In case of a large spill, protect people by clearing and isolating the affected area. Such releases should be responded to by trained personnel using pre-planned procedures. In the event of an incidental release, minimum Personal Protective Equipment must be worn: latex or rubber gloves and boots, goggles or full face-shield and coveralls or long-sleeved shirt and pants.
Environmental Precautions:	Do not allow to enter drains or waterways.
Steps To Be Taken In Case Material Is Released Or Spilled:	It is necessary to contain the spill into the smallest area possible by diking, scooping, shoveling, etc., and recover liquid into an appropriate container for salvage or later use. If product is clean, use it as intended, following original label directions; should it get contaminated, salvage for proper disposal as waste. If liquid is absorbed onto a dry carrier such as sand or other absorbent material, then it should be put in covered, labeled containers and disposed of as dry waste in accordance with Federal, State and Local hazardous waste disposal regulations.

SAFETY DATA SHEET

FORCE 2-0-7

Page: 3 of 6

Revision: 04/12/2019

Supersedes Revision: 10/31/2018

7. Handling and Storage

Precautions To Be Taken in Handling:	Use with adequate ventilation. Avoid breathing dust, mist, or vapor. Avoid contact with eyes, skin, or clothing. Avoid ingestion and inhalation. Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
Precautions To Be Taken in Storing:	Keep away from reach of children and pets. Inspect all incoming containers before storage to ensure all are properly labeled and not damaged. Whenever possible, place chemicals on secondary containers or diked area. Keep containers tightly closed when not in use. Do not contaminate water, food or feed by storage or disposal. Store this product out of direct sunlight, in a cool place above 40°F. Do not allow to freeze. Do not reuse empty container.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
7757-79-1	Potassium nitrate	No data.	TLV: 5 mg/m ³ /8hr	No data.
Recommended Exposure Limits:	No occupational exposure limits have been established for this product.			
Respiratory Equipment (Specify Type):	A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use. If the respirator is the sole means of protection, use a full-face supplied air respirator.			
Eye Protection:	Safety glasses should be worn in any type of operation with chemicals.			
Protective Gloves:	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Impervious gloves are recommended for this product.			
Other Protective Clothing:	This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. Wear long sleeve shirt, long pants, impervious gloves and protective shoes.			
Engineering Controls (Ventilation etc.):	General ventilation is usually adequate. Local exhaust should be used if needed for safe, comfortable working conditions. An eye bath and washing facilities should be readily available.			
Work/Hygienic/Maintenance Practices:	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove all dirty or contaminated clothing and wash it before reusing.			
Environmental Exposure Controls:	Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high-water mark. Do not contaminate water when disposing of equipment wash water.			

SAFETY DATA SHEET

FORCE 2-0-7

Page: 4 of 6

Revision: 04/12/2019
Supersedes Revision: 10/31/2018

9. Physical and Chemical Properties

Physical States:	[] Gas [X] Liquid [] Solid	
Appearance and Odor:	Clear to very pale yellowish color. No odor.	
pH:	7.5 - 9.5	
Melting Point:	N.A.	
Boiling Point:	N.E.	
Flash Pt:	N.A.	
Evaporation Rate:	No data.	
Flammability (solid, gas):	No data available.	
Explosive Limits:	LEL: No data.	UEL: No data.
Vapor Pressure (vs. Air or mm Hg):	N.E.	
Vapor Density (vs. Air = 1):	No data.	
Specific Gravity (Water = 1):	1.15 - 1.19	
Density:	~ 9.8 LB/GA	
Solubility in Water:	Soluble	
Saturated Vapor Concentration:	N.E.	
Octanol/Water Partition Coefficient:	N.E.	
Autoignition Pt:	No data.	
Decomposition Temperature:	No data.	
Viscosity:	N.E.	

10. Stability and Reactivity

Reactivity:	Not applicable.	
Stability:	Unstable []	Stable [X]
Conditions To Avoid - Instability:	None known.	
Incompatibility - Materials To Avoid:	None known.	
Hazardous Decomposition or Byproducts:	Toxic fumes may be generated under fire conditions.	
Possibility of Hazardous Reactions:	Will occur []	Will not occur [X]
Conditions To Avoid - Hazardous Reactions:	None known.	

11. Toxicological Information

Toxicological Information:	<p>Mutagenicity: No data available. Embryotoxicity: No data available. Teratogenicity: No data available. Reproductive Toxicity: No data available.</p> <p>The toxicological properties of this material have not been fully investigated. CAS# 7757-79-1: Acute toxicity, LD50, Oral, Rat, 3750. MG/KG. Result: Tumorigenic: Equivocal tumorigenic agent by RTECS criteria. Lungs, Thorax, or Respiration: Tumors. Liver: Tumors. ; Nippon Yakurigaku Zasshi. Japanese Journal of Pharmacology., Nippon Yakuri Gakkai, c/o Kyoto Daigaku Igakubu Yakurigaku Kyoshitsu, Konoe-cho, Yoshida, Sakyo-ku, Kyoto 606 Japan, Vol/p/yr: 81,469, 1983</p>
Irritation or Corrosion:	No data available.
Symptoms related to Toxicological Characteristics:	No data available.
Sensitization:	The sensitizing properties of this product have not been thoroughly investigated.
Chronic Toxicological Effects:	The toxicological properties of this material have not been fully investigated.
Carcinogenicity/Other Information:	The carcinogenic properties of this product have not been thoroughly investigated. No component is listed as a carcinogenic by IARC, NTP, OSHA, and ACGIH.
Carcinogenicity:	NTP? No IARC Monographs? No OSHA Regulated? No

12. Ecological Information

General Ecological Information:	The available data on this material does not indicate any undue hazard to the environment under anticipated use and storage. All work practices must be aimed at preventing environmental contamination. Any waste due to spillage or leakage should be contained and disposed of accordingly, see above under Section 6 "Accidental Release Measures."
Results of PBT and vPvB assessment:	No data available.
Persistence and Degradability:	No data available.
Bioaccumulative Potential:	No data available.
Mobility in Soil:	No data available.
Other adverse effects:	No data available.

13. Disposal Considerations

Waste Disposal Method:	<p>PRODUCT: Do not contaminate water by cleaning of equipment or disposal of equipment wash waters. Waste disposal must be done following all Federal, State and Local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local waste regulatory authority.</p> <p>CONTAINER: Dispose of empty container in a sanitary landfill or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.</p>
-------------------------------	---

14. Transport Information

SAFETY DATA SHEET

FORCE 2-0-7

Page: 6 of 6

Revision: 04/12/2019

Supersedes Revision: 10/31/2018

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not Regulated. Trade Name: FORCE 2-0-7

DOT Hazard Class:

UN/NA Number:

MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: Not Regulated. Trade Name: FORCE 2-0-7

UN Number:

Packing Group:

Hazard Class:

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Not Regulated. Trade Name: FORCE 2-0-7

UN Number:

Packing Group:

Hazard Class:

Additional Transport
Information:

Placards / Markings: N.A.

Emergency Response Guide Number: N.A.

Reportable Quantity: N.A.

15. Regulatory Information

Regulatory Information:

TSCA Inventory: In compliance with inventory requirements for commercial purposes.

16. Other Information

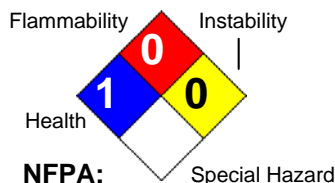
Revision Date:

04/12/2019

Hazard Rating System:

HEALTH		1
FLAMMABILITY		0
PHYSICAL		0
PPE		

HMIS:



Additional Information About This Product: No data available.

Company Policy or

Disclaimer:

Stoller believes the information contained in this Safety Data Sheet is accurate based on the information provided by reputable suppliers of our raw materials. However, Stoller does not guarantee their accuracy or completeness. The information contained herein is furnished without warranty of any kind, whether expressed or implied, as to the safety of the goods, the merchantability of the goods, or the fitness of the goods for any particular purpose. Users should consider these data only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers. Stoller assumes no responsibility for results obtained or for incidental or consequential damages arising from the use of goods and data.