

**MATERIAL SAFETY DATA SHEET**  
**DYNAMITE PLANT FOOD**  
**FlowerNegetable 13-13-13**  
**NUTRICOTE® Controlled Release Fertilizers**

**SECTION I - PRODUCT IDENTIFICATION**

Manufacture's name: Chisso-Asahi Fertilizer Co., LTD  
 Address: 7-12 Kouraku 1-chome , Bunkyo-ku , Japan  
 Trade Name: "Nutricote" Controlled Release Fertilizer  
 UN#: NA 2071

**EMERGENCY RESPONSE # CHEMTREC 1-703-527-3887**

**SECTION II - HAZARDOUS INGREDIENTS**

Material or Component	%	Hazard Data
Complex Fertilizer	Note 1 92-88 %	
Resin Coating( Polyolefin)	8-12 %	

Note 1 Mixture of Ammonium Nitrate, Calcium Phosphate, Ammonium Phosphate, Potassium Sulfate and Potassium Nitrate made by Nitrophosphate manufacturing process from Rock Phosphate, Nitric Acid, Ammonia and Potassium Sulfate, Formula: NH<sub>4</sub>NO<sub>3</sub>. CaHPO<sub>4</sub>, NH<sub>4</sub>H<sub>2</sub>PO<sub>4</sub>, K<sub>2</sub>SO<sub>4</sub>, KNO<sub>3</sub>

**SECTION - PHYSICAL DATA**

Boiling Point:	760mm Hg	NIA	Melting Point	NIA
Specific Gravity:	(H <sub>2</sub> O = 1)	1 .8	Vapor Pressure	NIA
Vapor Density:	(Air=1)	NIA	Solubility in H <sub>2</sub> O % by Wt.	80-90 %
Volatiles by Vol.:		NIA	Evaporation Rate	NIA
Appearance and Odor:	Grey Prills			

**SECTION IV - FIRE AND EXPLOSION DATA**

Flash Point: NIA  
 Autoignition Temperature: Flammable NIA  
 Limits in Air, % by Vol.: Extinguishing Non-flammable Note 2  
 Media: Large Amounts of Water  
 Special Fire Fighting Procedures: Do not enter fire area without self-contained breathing apparatus  
 Unusual Fire and Explosion Hazard: When heated to decomposition, *toxic fumes of NOX are emitted.*

Note 2 Some formulations classified as "oxidizer"

**SECTION V - HEALTH HAZARD INFORMATION**

Threshold Limit Value: NIA Note 3 Not  
 Effect of Overexposure: Determined  
 Emergency and First Aid Procedures: Nothing Special

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**SECTION VI - REACTIVITY DATA**

Stability:	Stable
Incompatibility (Materials to Avoid):	Reducing Agents
Hazardous Decomposition Products:	Reaction with reducing agents will produce oxides of nitrogen and heat
Hazardous polymerization:	will not occur

**SECTION VII - SPILL OR LEAK PROCEDURES**

Steps to be taken in case material is released or spilled: Sweep up  
 Waste disposal method: Apply as fertilizer to field

**SECTION VIII - SPECIAL PROTECTION INFORMATION**

Respiratory Protection:	Not required
Ventilation requirements:	NIA
Protective Gloves:	Not needed
Eye Protection:	Not needed

**SECTION IX - SPECIAL PRECAUTIONS**

Precautions to be taken in handling and storing:	Provide adequate ventilation
Other Precautions:	Do not store near open flame. Do not mix in concentrated form with reducing agents.

Note 3

* HN4HO3 oral-rat	
LD50	4820 mg/kg
* KN03 oral-rat	
LD50	3015 mg/kg