

CERTIFICATE OF ANALYSIS OF THE LOT

Shipper: JOINT STOCK COMPANY "CONCERN STIROL" GORLOVSKOY DIVISII STR.10, 84610 UKRAINE GORLOVKA	Order: dd 25-06-2009
	Contract: TR-VK-2009 dd 22.04.09
	Truck: AE9937CE/36957AA
Place of loading: GORLOVKA, UKRAINE	
Place of discharge: Turkey	Final destination: Turkey

Description of goods	Number of packages	Net Weight, (metric tons)
SODIUM NITRATE WITH ACA, PACKED IN 400 X 50 KGS NET PP BAGS WITH PE LINER IN BULK	400	20

THIS IS TO CERTIFY THAT THE QUALITY OF THE CARGO MENTIONED ABOVE COMPLIES WITH THE FOLLOWING DATA:

Lot 141 - manufacturing date: 18.06.2009 Lot 143 - manufacturing date: 18.06.2009	Lot 141 15,000 mt	Lot 143 5,000 mt
Fraction of total mass, of : - sodium nitrate in terms of dry substance, %, min. - water, %, max. - substance, insoluble in water, %, max. - chloric salts (in terms of NaCl), %, max. - oxidized substances in terms of NaNO ₂ , %, max. - ACA,%	99.7 0.1 0.01 0.1 0.05 0.12	99.6 0.1 0.01 0.2 0.05 0.11



Signature: **"Stirolchimtrade", Gorlovka**
Director



Place of issue: GORLOVKA
Date of issue: 25 June, 2009



STOCKHOLDING COMPANY
"CONCERN STIROL"

10, Gorlovskoi Divizii Street, Gorlovka, Donetsk Region, 84610, UKRAINE
Phone: + 380 6242 7 8413 Fax: + 380 6242 4 2243 Internet: <http://www.stirol.net>

Material Safety Data Sheet

SODIUM NITRATE

SODIUM NITRATE
NaNO₃
Molecular mass: 85

CAS # 7631-99-4
RTECS # WC5600000
UN # 1498

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/ SYMPTOMS	PREVENTION	FIRST AID/ FIRE FIGHTING
FIRE	Not combustible but enhances combustion of other substances. Gives off irritating or toxic fumes (or gases) in a fire.	NO contact with combustibles or reducing agents.	In case of fire in the surroundings: all extinguishing agents allowed.
EXPLOSION	Risk of fire and explosion on contact with reducing agents.		
EXPOSURE		PREVENT DISPERSION OF DUST!	
INHALATION	Cough. Laboured breathing (See Ingestion).	Local exhaust or breathing protection.	Fresh air, rest. Refer for medical attention.
SKIN	Redness.	Protective gloves.	First rinse with plenty of water, then remove contaminated clothes and rinse again.
EYES	Redness. Pain.	Safety spectacles.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
INGESTION	Abdominal pain. Blue lips or fingernails. Blue skin. Convulsions. Diarrhoea. Dizziness. Headache. Laboured breathing.	Do not eat, drink, or smoke during work. Wash hands before eating.	Rinse mouth. Refer for medical attention.
SPILLAGE DISPOSAL	STORAGE		PACKAGING & LABELLING
Sweep spilled substance into plastic or glass containers. Wash away remainder with plenty of water.	Separated from combustible and reducing substances. Dry.		UN Hazard Class: 5.1 UN Packing Group: III

SEE IMPORTANT INFORMATION ON BACK



STOCKHOLDING COMPANY
"CONCERN STIROL"

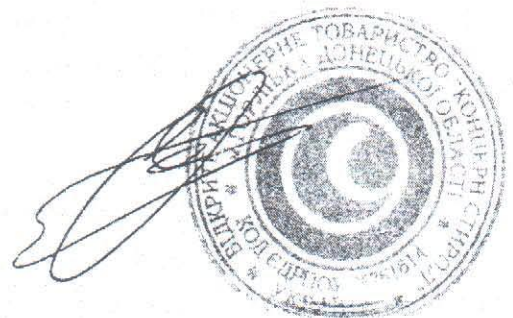
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Material Safety Data Sheet

SODIUM NITRATE

I M P O R T A N T D A T A	PHYSICAL STATE; APPEARANCE: ODOURLESS, COLOURLESS, HYGROSCOPIC CRYSTALS.	ROUTES OF EXPOSURE: The substance can be absorbed into the body by inhalation of its aerosol and by ingestion.
	CHEMICAL DANGERS: The substance decomposes on heating or on burning producing nitrogen oxides and oxygen, which increases fire hazard. The substance is a strong oxidant and reacts with combustible and reducing materials, causing fire and explosion hazard.	INHALATION RISK: Evaporation at 20°C is negligible; a harmful concentration of airborne particles can, however, be reached quickly when dispersed.
PHYSICAL PROPERTIES	OCCUPATIONAL EXPOSURE LIMITS (OELs): TLV not established.	EFFECTS OF SHORT-TERM EXPOSURE: The substance irritates the eyes, the skin and the respiratory tract. The substance may cause effects on the blood, resulting in formation of methaemoglobin. The effects may be delayed. Medical observation is indicated.
ENVIRONMENTAL DATA	Boiling point (decomposes): 380°C Melting point: 308°C	EFFECTS OF LONG-TERM OR REPEATED EXPOSURE: Relative density (water = 1): 2.3 Solubility in water, g/100 ml at 25°C: 92.1
NOTES		
Rinse contaminated clothes (fire hazard) with plenty of water.		



CERTIFICATE OF ANALYSIS OF THE LOT

Shipper: JOINT STOCK COMPANY "CONCERN STIROL" GORLOVSKOY DIVISII STR.10, 84610 UKRAINE GORLOVKA		Invoice for prepayment #1 dd 25-04-09														
[Blank space for stamp/signature]		Contract: TR-VK-2009 dd 22/04/2009														
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Place of loading: GORLOVKA, UKRAINE		Final destination: Turkey														
Place of discharge: Turkey		Turkey														
Description of goods	Number of packages	Net Weight, (metric tons)														
SODIUM NITRATE WITH ACA, PACKED IN 20000 X 50 KGS NET, BAGS IN BULK	20000 bags	1000														
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Fraction of total mass, of: - Sodium nitrate %, min. - Water, %, max. - Insolubles, %, max. - Sodium Chloride, %, max. - Sodium Nitrite, %, max. - ACA, %, max - Nitrogen Amount, % max	Average values according to the spec. <table style="width: 100%; border: none;"> <tr> <td style="width: 80%;"></td> <td style="text-align: right;">99.5</td> </tr> <tr> <td></td> <td style="text-align: right;">0.5</td> </tr> <tr> <td></td> <td style="text-align: right;">0.03</td> </tr> <tr> <td></td> <td style="text-align: right;">0.3</td> </tr> <tr> <td></td> <td style="text-align: right;">0.2</td> </tr> <tr> <td></td> <td style="text-align: right;">0.3</td> </tr> <tr> <td></td> <td style="text-align: right;">0.165</td> </tr> </table>			99.5		0.5		0.03		0.3		0.2		0.3		0.165
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	0.03															
	0.3															
	0.2															
	0.3															
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ORIGIN UKRAINE	Signature: "Stirolchimtrade, Gorlovka" Director Mizy...															
Place of issue: GORLOVKA Date of issue: 25 April, 2009																



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