

### Contractor Identification

#### NuGeneration Technologies, LLC

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### DEVELOPER -- 6850-00-826-0981

#### ===== Product Identification =====

Product ID: DEVELOPER

MSDS Date: 03/18/2005

FSC:6850

Kit Part: A

MSDS Number: 826-0981

PN: NGT-826-0981

#### ===== Composition/Information on Ingredients =====

Ingred Name:ISOPROPYL ALCOHOL (SARA III)

CAS:67-63-0

RTECS #:NT8050000

Other REC Limits: NONE RECOMMENDED

OSHA PEL:400 PPM/500 STEL

ACGIH TLV:400 PPM/500STEL;9293

#### ===== Hazards Identification =====

LD50 LC50 Mixture:TLV=400PPM (ISOPROPANOL)

Routes of Entry: Inhalation: YES Skin:YES Ingestion:NO

Reports of Carcinogenicity: NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic: INHAL:MAY CAUSE MILD IRRITATION, CNS

DEPRESSION. SKIN: MILDLY IRRITATING.INGEST: PRODUCT HAS A LOW ORDER OF ORAL TOXICITY.

Explanation of Carcinogenicity:THERE ARE NO INGREDIENTS ABOVE 0.1% WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP,IARC OR OSHA.

Effects of Overexposure:INHAL:IRRITATION OF THE

EYES,SKIN,NOSE, RESPIRATORY TRACT, HEADACHE, GIDDINESS, HEADACHE, NAUSEA.

Medical Cond Aggravated by Exposure: PREEXISTING CONDITIONS OF THE

SKIN,EYES AND RESPIRATORY SYSTEM MAY BE AFFECTED BY EXPOSURE TO THIS MATERIEL.

#### ===== First Aid Measures =====

First Aid:EYES:FLUSH WITH WATER.SKIN:REMOVE CONTAMINATED CLOTHING;FLUSH WITH WATER.INHAL:REMOVE TO FRESH AIR.GET MEDICAL ATTENTION.INGEST:IF CONSCIOUS,INDUCE VOMITING.GET PROMPT QUALIFIED MEDICAL ATTENTION.

#### ===== Fire Fighting Measures =====

Flash Point Method: TCC

Flash Point:53.0F,11.7C

Lower Limits:2

Upper Limits:2

Extinguishing Media: WATER FOG,ALCOHOL FOAM,DRY CHEMICAL OR CARBON DIOXIDE.

Fire Fighting Procedures: USE A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT.COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:CONTAINERS MAY RUPTURE FROM PRESSURE BUILD-UP.

## ===== Accidental Release Measures =====

Spill Release Procedures: WARNING! FLAMMABLE. ELIMINATE IGNITION SOURCES. GROUND HANDLING EQUIPMENT. USE RESPIRATORY AND PROTECTIVE EQUIPMENT. SOAK UP WITH CLAY,SAND OR OTHER NON-COMBUSTIBLE INERT ADSORBANT; PLACE IN AN APPROPRIATE CONTAINER FOR DISPOSAL.

Neutralizing Agent: NONE

## ===== Handling and Storage =====

Handling and Storage Precautions:KEEP AWAY FROM HEAT,SPARKS AND FLAMES.

Other Precautions:DO NOT STORE OR HANDLE IN ALUMINUM EQUIPMENT ABOVE 120F.

## ===== Exposure Controls/Personal Protection =====

Respiratory Protection:WHERE ENVIRONMENTAL CONTROLS ARE LACKING OR IN ENCLOSED SPACES USE A SELF-CONTAINED BREATHING APPARATUS.

Ventilation:LOCAL VENTILATION AT THE WORKSITE;MECHANICAL(GENERAL) VENTILATION TO MAINTAIN TLV/PEL.

Protective Gloves:CHEMICALLY RESISTANT.

Eye Protection:GOGGLES

Other Protective Equipment:CLOTHING TO MINIMIZE SKIN CONTACT.EYE WASH AND SAFETY SHOWERS SHOULD BE AVAILABLE.

Work Hygienic Practices:WASH HANDS.SEPERATE WORK CLOTHES FROM STREET CLOTHES. LAUNDRER WORK CLOTHES BEFORE REUSE.KEEP FOOD OUT OF THE WORK AREA.

Supplemental Safety and Health - NONE

## ===== Physical/Chemical Properties =====

HCC:F2

Boiling Pt:B.P. Text:180F,82C

Melt/Freeze Pt:M.P/F.P Text:-127F,-88C

Vapor Pres:33

Vapor Density:2.1

Spec Gravity:0.8

Evaporation Rate & Reference:1.4

Solubility in Water:LIQUID PART SOLUBLE

Appearance and Odor:EMULSION;MILKY WHITE;MILD ODOR

## ===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS.DO NOT STORE OR HANDLE IN ALUMINUM CONTAINERS.

Stability Condition to Avoid:HEAT,SPARKS,FLAME,TEMPERATURES ABOVE 120F

Hazardous Decomposition Products:CARBON MONOXIDE AND UNIDENTIFIED ORGANIC COMPOUNDS.

## ===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE AS IGNITABLE HAZARDOUS WASTE IN ACCORDANCE WITH FEDERAL,STATE AND LOCAL REGULATIONS.

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**PENETRANT -- 6850-00-826-0981**

## ===== Product Identification =====

Product ID: PENETRANT  
MSDS Date: 03/18/2005  
FSC:6850  
Kit Part: B  
MSDS Number: 826-0981  
P/N: NGT-826-0981

## ===== Composition/Information on Ingredients =====

Ingred Name: HYDRO-TREATED MIDDLE PETROLEUM DISTILLATE  
CAS:64742-46-7  
RTECS #:JN9379645  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL:5 MG/M3 OIL MIST  
ACGIH TLV:5 MG/M3 OIL MIST

## ===== Hazards Identification =====

LD50 LC50 Mixture: TLV=5MG/M3 (PETROLEUM HYDROCARBONS)  
Routes of Entry: Inhalation: YES Skin: YES Ingestion: YES  
Reports of Carcinogenicity: NTP: NO IARC: NO OSHA: NO  
Health Hazards Acute and Chronic: EYES: PRESUMED  
NON-IRRITATING. SKIN: SLIGHTLY IRRITATING. INGEST: IRRITATES GI  
TRACT. MAY CAUSE LUNG DAMAGE IF VOMITED AFTER SWALLOWING. INHAL: MILD  
IRRITATION TO THE UPPER RESPIRATORY TRACT.  
Explanation of Carcinogenicity: THERE ARE NO INGREDIENTS ABOVE 0.1%  
WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP, IARC OR OSHA.  
Effects of Overexposure: INGEST: VOMITING. SKIN: IRRITATION.  
Medical Cond Aggravated by Exposure: PREEXISTING CONDITIONS AFFECTING  
THE SKIN AND RESPIRATORY SYSTEM.

## ===== First Aid Measures =====

First Aid: EYES: FLUSH WITH WATER. SKIN: FLUSH WITH WATER; WASH WITH SOAP  
AND WATER. INHAL: REMOVE TO FRESH AIR. GIVE OXYGEN OR ARTIFICIAL  
RESPIRATION IF NEEDED. INGEST: DO NOT INDUCE VOMITING! GET PROMPT  
QUALIFIED MEDICAL ATTENTION.

## ===== Fire Fighting Measures =====

Flash Point Method: PMCC  
Flash Point: 188F, 87C  
Extinguishing Media: WATER FOG, FOAM, DRY CHEMICAL OR CARBON DIOXIDE. DO  
NOT USE A DIRECT STREAM OF WATER.  
Fire Fighting Procedures: MATERIEL WILL NOT BURN UNLESS PREHEATED. USE A  
SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT.  
Unusual Fire/Explosion Hazard: MANUFACTURER STATES NONE.

## ===== Accidental Release Measures =====

Spill Release Procedures: SOAK UP WITH CLAY, SAND OR OTHER  
NON-COMBUSTIBLE INERT ADSORBENT; PLACE IN AN APPROPRIATE CONTAINER  
FOR DISPOSAL.  
Neutralizing Agent: NONE

=====  
Handling and Storage =====

Handling and Storage Precautions: KEEP AWAY FROM HEAT, FLAMES AND  
OXIDIZING MATERIALS.

Other Precautions: NONE

=====  
Exposure Controls/Personal Protection =====

Respiratory Protection: WHERE ENVIRONMENTAL CONTROLS ARE LACKING OR IN  
ENCLOSED SPACES USE A SELF-CONTAINED BREATHING APPARATUS.

Ventilation: LOCAL VENTILATION AT THE WORKSITE; MECHANICAL(GENERAL)  
VENTILATION TO MAINTAIN TLV/PEL.

Protective Gloves:CHEMICALLY RESISTANT

Eye Protection:NO SPECIAL REQUIREMENTS

Other Protective Equipment:CLOTHING TO MINIMIZE SKIN CONTACT.

Work Hygienic Practices:WASH HANDS.SEPERATE WORK CLOTHES FROM STREET  
CLOTHES.LAUNDER WORK CLOTHES BEFORE REUSE.KEEP FOOD OUT OF THE WORK  
AREA.

Supplemental Safety and Health

FORMULA CHANGE FROM SAME NSN. THIS PART OF A 3 PART KIT.

=====  
Physical/Chemical Properties =====

HCC:V4

Boiling Pt:B.P. Text:>400F,>204C

Melt/Freeze Pt:M.P/F.P Text:-75F,-59C

Spec Gravity:0.86

Solubility in Water: INSOLUBLE

Appearance and Odor: LIQUID; RED-PURPLE; HYDROCARBON ODOR.

=====  
Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid: YES

OXIDIZING MATERIALS.

Stability Condition to Avoid: HEAT AND OPEN FLAMES.

Hazardous Decomposition Products: CARBON MONOXIDE AND OTHER UNIDENTIFIED  
ORGANIC COMPOUNDS.

=====  
Disposal Considerations =====

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND  
LOCAL REGULATIONS.

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**REMOVER -- 6850-00-826-0981**

## ===== Product Identification =====

Product ID: REMOVER  
MSDS Date:03/18/2005  
FSC:6850  
Kit Part: C  
MSDS Number: 826-0981  
P/N: NGT-826-0981

## ===== Composition/Information on Ingredients =====

Ingred Name:NAPHTHA, MEDIUM ALIPHATIC CAS:64742-88-7  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:100 PPM ACGIH TLV:100 PPM

## ===== Hazards Identification =====

LD50 LC50 Mixture:TLV=200PPM (ALIPHATIC PET.DISTILLATES)  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EYES:MINIMALLY  
IRRITATING.SKIN:SLIGHTLY IRRITATING.INHAL:VAPOR CAN IRRITATE  
NOSE,THROAT AND RESPIRATORY TRACT AND CAUSE CNS DEPRESSION.  
Explanation of Carcinogenicity:THERE ARE NO INGREDIENTS ABOVE 0.1%  
WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP,IARC OR OSHA.  
Effects of Overexposure:INHAL:IRRITATION OF THE EYES,SKIN,NOSE,THROAT  
OR RESPIRATORY TRACT.GIDDINESS,HEADACHE.INGEST:VOMITING.  
Medical Cond Aggravated by Exposure:PRE-EXISTING CONDITIONS OF THE  
EYES,SKIN AND RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE  
TO THIS PRODUCT.

## ===== First Aid Measures =====

First Aid: EYES: FLUSH WITH WATER. SKIN: REMOVE CONTAMINATED CLOTHING; FLUSH WITH  
WATER. INHAL: REMOVE TO FRESH AIR. GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED.  
INGEST: DO NOT INDUCE VOMITING. GET PROMPT QUALIFIED MEDICAL ATTENTION.

## ===== Fire Fighting Measures =====

Flash Point Method:TCC  
Flash Point:140F,60C  
Lower Limits:1  
Upper Limits:6  
Extinguishing Media:WATER FOG,FOAM,DRY CHEMICAL,CARBON DIOXIDE.DO NOT  
USE A DIRECT STREAM OF WATER.  
Fire Fighting Procedures:USE A SELF-CONTAINED BREATHING APPARATUS AND  
FULL PROTECTIVE EQUIPMENT.COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.  
Unusual Fire/Explosion Hazard:PRESSURE BUILD-UP COULD RUPTURE CONTAINER.

## ===== Accidental Release Measures =====

Spill Release Procedures: ELIMINATE SOURCES OF IGNITION. WEAR PROTECTIVE  
CLOTHING. SOAK UP WITH CLAY, SAND OR OTHER ADSORBANT; PLACE IN AN  
APPROPRIATE CONTAINER FOR DISPOSAL.  
Neutralizing Agent: NONE

=====  
Handling and Storage =====

Handling and Storage Precautions:KEEP AWAY FROM HEAT SPARKS AND FLAMES.KEEP CONTAINER CLOSED WHEN NOT IN USE.

Other Precautions:USE WITH ADEQUATE VENTILATION.

=====  
Exposure Controls/Personal Protection =====

Respiratory Protection:WHERE ENVIRONMENTAL CONTROLS ARE LACKING OR IN ENCLOSED SPACES USE A SELF-CONTAINED BREATHING APPARATUS.

Ventilation:LOCAL VENTILATION AT THE WORKSITE; MECHANICAL(GENERAL) VENTILATION TO MAINTAIN TLV/PEL.

Protective Gloves:CHEMICALLY RESISTANT

Eye Protection:SAFETY GLASSES;GOGGLES

Other Protective Equipment:CLOTHING TO AVOID SKIN CONTACT.

Work Hygienic Practices:WASH HANDS.SEPERATE WORK CLOTHES FROM STREET CLOTHES.LAUNDER WORK CLOTHES BEFORE REUSE.KEEP FOOD OUT OF THE WORK AREA.

Supplemental Safety and Health

FORMULA CHANGE FROM SAME NSN;PNIND-G.THIS IS PART OF A 3 PART KIT.

=====  
Physical/Chemical Properties =====

HCC:F4

Boiling Pt:B.P. Text:355F,179C

Vapor Pres:5MM@68F

Vapor Density: 5.4

Spec Gravity:0.77

Evaporation Rate & Reference:<0.1

Solubility in Water: NEGLIGIBLE

Appearance and Odor:LIQUID;LIGHT COLOR;MINTY OR HYDROCARBON ODOR

=====  
Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:HEAT,FLAMES.

Hazardous Decomposition Products: CARBON MONOXIDE AND UNIDENTIFIED ORGANIC COMPOUNDS.

=====  
Disposal Considerations =====

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

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