

CUSTOMER: B0178079
BATCH # 032500034

ORDER # 500Y
STICKER #: 32500784

ZONE # TOTE
PART # 8611019075339519031897
PRODUCT NAME: OPTI-GRO SOIL AIDE

NON-STOCK

MATERIAL SAFETY DATA SHEET: OPTI-GRO SOIL AIDE

Page: 1

10000000-000000-0801

DATE OF ISSUE	SUPERSEDES
5/19/1999	5/14/1999

SECTION I - GENERAL INFORMATION

Chemical Name & Synonyms

Trade Name & Synonyms
OPTI-GRO SOIL AIDE

Chemical Family:
WATER-BASED SILICONE SOLUTION

Formula Mixture --> X

Manufacturer's Name:
CHEMSEARCH DIV. OF NCH CORP.

Address:
BOX 152170
IRVING, TX 75015

Prepared By:
B MALKEY/CHEMIST

Product Code Number
0801

Emergency Phone Number
800-424-9300

SECTION II - HAZARDOUS INGREDIENTS

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS

Chemical Name (Ingredients)	Hazard	TLV	PEL	STEL	CAS #
METHYL (PROPYLHYDROXIDE ETHOXYLATED) BIS (TRIMETHYLSILOXY) SILANE	IRR/TOX	N/E 1.	N/E 2.	N/E	67674-67-3

SECTION IIa - NON-HAZARDOUS INGREDIENTS

(NON-HAZARDOUS INGREDIENT NAMES AND CAS NUMBERS ARE PROTECTED UNDER NJ TRADE)

Secret Registry #: 409363-5022P

SECTION III - PHYSICAL DATA

Boiling Point (F):	212	Specific Gravity (H2O=1):	1.0
Vapor Pressure (MM HG):	16.6	Color:	WATER-WHITE
Vapor Density (Air=1):	0.6	Odor:	NONE
PH @ 100% :	6.8-7.2	Clarity:	TRANSPARENT
% Volatile by Volume:	95	Evaporation Rate (BU A/C=1):	0.58
H2O Solubility:	COMPLETE	Viscosity:	NON-VISCOUS

SECTION IV - FIRE AND EXPLOSION HAZARD

Flash Point >213°F / T.C.C.	Flammable Limits N/E	LEL N/E	UEL N/E
Extinguishing Media X ---Foam X ---Alcohol Foam X ---CO2 X ---Dry Chemical X ---Water Spray ---Other			
Special Fire Fighting Procedures: FIREFIGHTERS SHOULD WEAR A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. EXTINGUISHING MEDIA SHOULD BE CHOSEN BASED ON THE NATURE OF THE SURROUNDING FIRE.			
Unusual Fire and Explosion Hazards: SPILLED MATERIAL MAY BE SLIPPERY			
Aerosol Level (NFPA 30B):	N/A		
NFPA 704 Hazard Rating (0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme) 2 ---Health 1 ---Flammability 0 ---Instability ---Special			

SECTION V - HEALTH HAZARD DATA

Threshold Limit Value:
NOT ESTABLISHED.

Effects of Overexposure:

-Acute (Short Term Exposure)

CONTACT: CAUSES SEVERE IRRITATION SEEN AS TEARING, REDNESS, AND A BURNING SENSATION. SKIN CONTACT: MAY CAUSE IRRITATION SEEN AS ITCHING AND REDNESS. INHALATION: TOXIC IF MISTS ARE INHALED, CAUSES COUGHING AND CHOKING AND CAN CAUSE LETHARGY AND MILD LONG IRRITATION. INGESTION: MAY CAUSE IRRITATION WITH POSSIBLE NAUSEA, VOMITING AND DIARR-HEA.

-Chronic (Long Term Exposure)

NO CHRONIC EFFECTS ARE KNOWN. MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE ARE PRE-EXISTING RESPIRATORY AND SKIN CONDITIONS SUCH AS ASTHMA, EMPHYSEMA, AND DERMATITIS. TARGET ORGANS: NONE KNOWN.

SECTION V - HEALTH HAZARD DATA (Continued)

Primary Routes of Entry: X ☒ Inhalation ☐ Ingestion ☐ Absorption

Emergency and First Aid Procedures:

-Inhalation:
REMOVE FROM THE AREA TO FRESH AIR. IF NOT BREATHING, CLEAR THE AIRWAY AND START MOUTH TO MOUTH ARTIFICIAL RESPIRATION. GET IMMEDIATE MEDICAL ATTENTION.

-Eye Contact:
IMMEDIATELY RINSE THE EYES WITH WATER. REMOVE ANY CONTACT LENSES AND CONTINUE FLUSHING FOR AT LEAST 15 MINUTES. HOLD THE EYELIDS APART TO ENSURE RINSING OF THE ENTIRE SURFACE OF THE EYES AND LIDS WITH WATER. GET IMMEDIATE MEDICAL ATTENTION.

-Skin Contact:
WASH AFFECTED AREAS WITH PLENTY OF SOAP AND WATER FOR SEVERAL MINUTES. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS.

-Ingestion:
GIVE 3 TO 4 GLASSES OF WATER, BUT DO NOT INDUCE VOMITING. IF VOMITING OCCURS, GIVE FLUIDS AGAIN. SEEK MEDICAL ATTENTION IF DISCOMFORT OCCURS.

-Notes to Physician:
THERE IS NO SPECIFIC ANTIDOTE. TREAT THE PATIENT SYMPTOMATICALLY.

SECTION VI - TOXICITY INFORMATION

Product Contains Chemicals Listed as Carcinogen or Potential Carcinogen By:

IARC--> No	NTP--> No	OSHA--> No	ACGIH--> No	OTHER--> No
------------	-----------	------------	-------------	-------------

METHYL(PROPYLHYDROXIDE ETHOXYLATED)BIS(TRIMETHYLSILOXY)SILANE

EYE-RBT: SEVERE	3.
SKN-RBT: MILD	3.
ORL-RAT LD50: >5000MG/KG	3.
IHL-RAT LC50: 2.13MG/L	3.
SKN-RBT LD50: 2020MG/KG	3.

SECTION VII - REACTIVITY DATA

Stability: X ☒ Stable ☐ Unstable

Conditions to Avoid:
NONE KNOWN.

Incompatibility (Materials to Avoid):
NONE KNOWN.

Hazardous Decomposition Products:
OXIDES OF CARBON AND SILICA; FORMALDEHYDE

Hazardous Polymerization: ☐ May Occur X ☒ Will Not Occur

Conditions to Avoid:
N/A

SECTION VIII - SPILL OR LEAK PROCEDURES

Steps to be Taken if Material is Released or Spilled:
DIKE AND CONTAIN SPILL IF NECESSARY. SPILLED MATERIAL IS ABLE TO BE WASHED INTO THE SOIL OR CAN BE WASHED DOWN THE SANITARY SEWER. USE CARE AS THE SPILL CAN BE SLIPPERY.

Waste Disposal Method(s):
DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS.

Neutralizing Agent:
N/A

SECTION IX - SPECIAL PROTECTION INFORMATION

Required Ventilation:
LOCAL VENTILATION IS RECOMMENDED TO CONTROL EXPOSURE FROM OPERATIONS THAT CAN GENERATE MISTS.

Respiratory Protection:
A NIOSH/MSHA APPROVED RESPIRATOR IN POORLY VENTILATED AREAS OR WHERE MISTING EXISTS.

Glove Protection:
NEOPRENE RUBBER OR NITRILE GLOVES IF REPEATED OR PROLONGED SKIN CONTACT IS LIKELY.

Eye Protection:
CHEMICAL GOGGLES SHOULD BE WORN WHEN HANDLING.

Other Protection:
WEAR GENERAL DUTY WORK CLOTHING AND SHOES.

SECTION X - STORAGE AND HANDLING INFORMATION

Storage Temperature: Indoors--> X Outdoors--> Heated--> Refrigerated-->

Minimum Temperature: 35°F Maximum Temperature: 120°F

Precautions to be Taken in Handling and Storing:
ALWAYS STORE MATERIAL IN ITS ORIGINAL CONTAINER. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. KEEP FROM FREEZING. IF PRODUCT FREEZES ALLOW IT TO SLOWLY WARM TO ROOM TEMPERATURE AND STIR THOROUGHLY BEFORE USING.

Other Precautions:
KEEP OUT OF REACH OF CHILDREN. READ THE ENTIRE LABEL BEFORE USING THE PRODUCT. FOLLOW THE LABEL DIRECTIONS.

SECTION XI - REGULATORY INFORMATION

Chemical Name

CAS Number

Upper & Limit

SECTION V - HEALTH HAZARD DATA (Continued)

Primary Routes of Entry: ☒ --Inhalation ☐ --Ingestion ☐ --Absorption

Emergency and First Aid Procedures:

-Inhalation:
REMOVE FROM THE AREA TO FRESH AIR. IF NOT BREATHING, CLEAR THE AIRWAY AND START MOUTH TO MOUTH ARTIFICIAL RESPIRATION. GET IMMEDIATE MEDICAL ATTENTION.

-Eye Contact:
IMMEDIATELY RINSE THE EYES WITH WATER. REMOVE ANY CONTACT LENSES AND CONTINUE FLUSHING FOR AT LEAST 15 MINUTES. HOLD THE EYELIDS APART TO ENSURE RINSING OF THE ENTIRE SURFACE OF THE EYES AND LIDS WITH WATER. GET IMMEDIATE MEDICAL ATTENTION.

-Skin Contact:
WASH AFFECTED AREAS WITH PLENTY OF SOAP AND WATER FOR SEVERAL MINUTES. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS.

-Ingestion:
GIVE 3 TO 4 GLASSES OF WATER, BUT DO NOT INDUCE VOMITING. IF VOMITING OCCURS, GIVE FLUIDS AGAIN. SEEK MEDICAL ATTENTION IF DISCOMFORT OCCURS.

-Notes to Physician:
THERE IS NO SPECIFIC ANTIDOTE. TREAT THE PATIENT SYMPTOMATICALLY.

SECTION VI - TOXICITY INFORMATION

Product Contains Chemicals Listed as Carcinogen or Potential Carcinogen By:
IARC--> No NTP--> No OSHA--> No ACGIH--> No OTHER--> No

METHYL (PROPYLHYDROXIDE ETHOXYLATED) BIS (TRIMETHYLSILOXY) SILANE
EYE-RBT: SEVERE 3.
SKN-RBT: MILD 3.
ORL-RAT LD50: >5000MG/KG 3.
IHL-RAT LC50: 2.13MG/L 3.
SKN-RBT LD50: 2020MG/KG 3.

SECTION VII - REACTIVITY DATA

Stability: ☒ --Stable ☐ --Unstable
Conditions to Avoid:
NONE KNOWN.

Incompatibility (Materials to Avoid):
NONE KNOWN.

Hazardous Decomposition Products:
OXIDES OF CARBON AND SILICA; FORMALDEHYDE

Hazardous Polymerization: ☐ --May Occur ☒ --Will Not Occur
Conditions to Avoid:
N/A

SECTION VIII - SPILL OR LEAK PROCEDURES

Steps to be Taken if Material is Released or Spilled:
DIKE AND CONTAIN SPILL IF NECESSARY. SPILLED MATERIAL IS ABLE TO BE WASHED INTO THE SOIL OR CAN BE WASHED DOWN THE SANITARY SEWER. USE CARE AS THE SPILL CAN BE SLIPPERY.

Waste Disposal Method(s):
DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS.

Neutralizing Agent:
N/A

SECTION IX - SPECIAL PROTECTION INFORMATION

Required Ventilation:
LOCAL VENTILATION IS RECOMMENDED TO CONTROL EXPOSURE FROM OPERATIONS THAT CAN GENERATE MISTS.

Respiratory Protection:
A NIOSH/MSHA APPROVED RESPIRATOR IN POORLY VENTILATED AREAS OR WHERE MISTING EXISTS.

Glove Protection:
NEOPRENE RUBBER OR NITRILE GLOVES IF REPEATED OR PROLONGED SKIN CONTACT IS LIKELY.

Eye Protection:
CHEMICAL GOGGLES SHOULD BE WORN WHEN HANDLING.

Other Protection:
WEAR GENERAL DUTY WORK CLOTHING AND SHOES.

SECTION X - STORAGE AND HANDLING INFORMATION

Storage Temperature: Indoors--> ☒ Outdoors--> ☐ Heated--> ☐ Refrigerated--> ☐
Minimum Temperature: 35°F Maximum Temperature: 120°F

Precautions to be Taken in Handling and Storing:
ALWAYS STORE MATERIAL IN ITS ORIGINAL CONTAINER. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. KEEP FROM FREEZING. IF PRODUCT FREEZES ALLOW IT TO SLOWLY WARM TO ROOM TEMPERATURE AND STIR THOROUGHLY BEFORE USING.

Other Precautions:
KEEP FROM REACH OF CHILDREN. READ THE ENTIRE LABEL BEFORE USING THE PRODUCT. FOLLOW THE LABEL DIRECTIONS.

SECTION XI - REGULATORY INFORMATION

Chemical Name

CAS Number

Upper & Limit

SECTION XI - REGULATORY INFORMATION (Continued)

None

Those ingredients listed above are subject to the reporting requirements of 312 of Title III of the Superfund Amendments and Reauthorization Act of 1980 and 40 CFR part 372.

call 1-800-527-9919 for additional information if you are a California customer.
This MSDS is not intended for users in the state of California.

SECTION XII - REFERENCES

1. THRESHOLD LIMIT VALUES FOR CHEMICAL SUBSTANCES AND PHYSICAL AGENTS AND BIOLOGICAL EXPOSURE INDICES, ACGIH, 1998.
 2. OSHA PEL.
 3. VENDOR'S MSDS.
- ALL COMPONENTS IN THIS PRODUCT CAN BE FOUND IN THE CURRENT TSCA INVENTORY.
- IRR: IRRITANT, FLAM/FLAMM: FLAMMABLE, COMB: COMBUSTIBLE, CORR: CORROSIVE
CARC: CARCINOGENIC, TOX: TOXIC, N/A: NOT APPLICABLE, N/E: NOT ESTABLISHED,
COC: CLEVELAND OPEN CUP, PMCC: PENSKY-MARTIN CLOSED CUP, TCC: TAGLIABUE
CLOSEDCUP, LEL: LOWER EXPLOSION LIMIT, UEL: UPPER EXPLOSION LIMIT,
NFPA: NATIONAL FIRE PROTECTION ASSOCIATION, IARC: INTERNATIONAL AGENCY FOR
THE RESEARCH ON CANCER, NTP: NATIONAL TOXICOLOGY PROGRAM, OSHA: OCCUPATIONAL
SAFETY & HEALTH ADMINISTRATION, ACGIH: AMERICAN CONFERENCE OF GOVERNMENTAL
INDUSTRIAL HYGIENISTS, TLV: THRESHOLD LIMIT VALUE, PEL: PERMISSIBLE EXPOSURE
LEVEL, STEL: SHORT-TERM EXPOSURE LIMIT, MLD: MILD, MOD: MODERATE, SEV: SEVERE,
MUT: MUTAGENIC, ASPHYX: ASPHYXANT, PNOC: PARTICULATES NOT OTHERWISE CLASSI-
FIED

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED ACCURATE IN LIGHT OF CURRENT FORMULATION. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF.

CHEMSEARCH DIV. OF NCH CORP. assumes no responsibility for personal injury or property damage caused by the use, storage, or disposal of the product in a manner not recommended on the product label. Users assume all risks associated with such unrecommended use, storage, or disposal of the product.

