

T&N, Incorporated

Professional Turf and Ice Melt Products

815 Highway T • P.O. Box 240 • Foristell, MO 63348-0240
Local (636) 673-2505 • Toll Free (866) 670-2505 • Fax (636) 673-2750
E-Mail: tandninc@aol.com www.tandninc.com

MATERIAL SAFETY DATA SHEET

PRODUCT Greenskeeper's Secret Weed & Feed 25-3-3 with 2, 4-D Amine

PRODUCT CODE GSWF/18 25-3-3
DATE PREPARED March 2007

DISTRIBUTOR

T and N, Inc.
815 Hwy. T - P.O. Box 240
Foristell, MO 63348

PRODUCT IDENTIFICATION

EPA REGULATION # 2217-697-066840
CHEMICAL NAME Mixture. Fertilizer impregnated with Dimethylamine Salt of 2, 4-D
SHIPPING Not regulated by U.S. D.O.T. for all modes of transportation within the U.S. (package size 60 pounds or
INFORMATION less).

COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAMES	CAS NO.	EXPOSURE LIMITS		SARA 313 REPORTABLE
		OSHA PEL	ACHIH TLV	
Diammonium Phosphate	7783-28-0	15 mg/m ³ *	10 mg/m ³ *	No
Granular Urea	57-13-6			No
Granular Muriate of Potash	7447-40-7			No
Clay	1302-78-9			No
Limestone	1317-65-3			No
Dimethylamine salt of 2, 4-dichlorophenoxyacetic acid	2008-39-1	10 mg/m ³ *		No
Crystalline Silica (quartz)*	14808-60-7	0.1 mg/m ³ *	0.1 mg/m ³ *	No

*May be present as a naturally occurring mineral in the fertilizer ingredients used in this formulation. The respirable portion of crystalline silica is very small, and excessive inhalation is unlikely under normal conditions of use.

PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL FORM

Granular Solid

pH

Not applicable

BOILING POINT

Not applicable

SOLUBILITY IN WATER

Partial

VAPOR PRESSURE

Not established

PERCENT VOLATILE

Not established

APPEARANCE AND ODOR

Multi-colored granules with a characteristic odor of phenoxy herbicide.

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (°F)

Not flammable

AUTO IGNITION TEMPERATURE (°F)

Not applicable

EXPLOSIVE LIMITS

Upper Limit (UEL)

Not applicable

BULK DENSITY

Not established

REFRACTIVE INDEX

Not applicable

FREEZING POINT

Not applicable

VISCOSITY

Free-flowing granules

VAPOR DENSITY

Not established

EVAPORATION RATE

Not established

FLASH POINT METHOD

Not applicable

BURNING RATE

Not applicable

UNUSUAL FIRE OR EXPLOSION HAZARDS

None

T&N, Incorporated

Professional Turf and Ice Melt Products

815 Highway T • P.O. Box 240 • Foristell, MO 63348-0240

Local (636) 673-2505 • Toll Free (866) 670-2505 • Fax (636) 673-2750

E-Mail: tandninc@aol.com

www.tandninc.com

MATERIAL SAFETY DATA SHEET

PRODUCT

Greenskeeper's Secret Weed & Feed 25-3-3 with 2, 4-D Amine

Lower Limit (LEL)

Not applicable

EXTINGUISHING MEDIA

Water, carbon dioxide, dry chemical or foam

SPECIAL FIRE-FIGHTING PROCEDURES

Fire fighters should wear full protective gear and self-contained breathing apparatus. Contain runoff to prevent pollution. Fumes and smoke from fire may be hazardous.

HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY

Inhalation, ingestion, skin or eye contact.

SIGNS AND SYMPTOMS OF OVER-EXPOSURE

EYE CONTACT

Acute

Irritation, possible corneal injury

Chronic

None reported

SKIN CONTACT

Acute

May cause mechanical irritation. May be absorbed through the skin.

Chronic

May cause dermal sensitization in susceptible individuals.

INHALATION

Acute

Excessive inhalation of fertilizer dust may irritate nose, throat and upper respiratory tract.

Chronic

Excessive inhalation of crystalline silica (quartz) may cause lung injury.

INGESTION

Acute

May cause gastrointestinal irritation. Symptoms of over exposure include myotonia (muscle spasms), general weakness, lethargy, nausea, vomiting, cramps, and diarrhea.

Chronic

May cause liver, kidney, gastrointestinal and muscular effects, and peripheral nerve effects.

EMERGENCY FIRST AID PROCEDURES

EYE CONTACT

Hold eyelids open and flush with lots of water for 15 minutes. If irritation persists after flushing, get medical attention.

SKIN CONTACT

Remove contaminated clothing and wash skin with soap and water. If irritation develops after washing, get medical attention.

INHALATION

Remove person to fresh air. If breathing stops, give artificial respiration and get medical attention.

INGESTION

Call a physician or poison control center. Give person 1-2 glasses of water to drink, and induce vomiting by touching back of throat with finger. If Syrup of Ipecac is available, give 1 tablespoon (15 ml) followed by 1-2 glasses of water. If vomiting does not occur within 20 minutes, repeat dosage once. Never induce vomiting or give anything by mouth to an unconscious or convulsing person.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Existing skin irritation or lesions, asthma or pulmonary disease.

T&N, Incorporated

Professional Turf and Ice Melt Products

815 Highway T • P.O. Box 240 • Foristell, MO 63348-0240
Local (636) 673-2505 • Toll Free (866) 670-2505 • Fax (636) 673-2750
E-Mail: tandninc@aol.com www.tandninc.com

MATERIAL SAFETY DATA SHEET

PRODUCT Greenskeeper's Secret Weed & Feed 25-3-3 with 2, 4-D Amine

TARGET ORGANS

Eyes, skin, kidney, liver, gastrointestinal system, muscle systems, nervous system.

CARCINOGENS

IARC has listed chlorophenoxy herbicides (such as those contained in this product) as class 2B (limited evidence of carcinogenicity in humans). Crystalline silica (quartz) component is classified as a carcinogen by NTP and IARC.

REACTIVITY DATA

STABILITY

Stable

CONDITIONS TO AVOID

None - product is stable

HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition (burning) may produce CO, CO₂, NO_x, HCl.

ACCIDENTAL RELEASE PROCEDURES

LARGE SPILL OR LEAK PROCEDURE

Isolate and contain spill. Remove unauthorized persons from spill area. Do not walk through spilled materials. Wear suitable protective gear. Carefully sweep or scoop spilled material and place in a closed, labeled container for use or disposal. Scrub contaminated surfaces with detergent and water, and collect wash water solution for proper disposal according to label directions. Do not allow spilled material to enter streams, sewers or other waters.

SMALL SPILL OR LEAK PROCEDURE

Wear protective clothing as recommended on label. Sweep up spilled material for use according to label directions.

WASTE DISPOSAL METHODS

Consult state or local environmental agency for disposal of waste generated by a spill. Wastes from the use of this product according to label directions may be disposed as specified on product label.

EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS - VENTILATION

This product is designed for outdoor use only, and ventilation is not normally required. Local exhaust may be necessary when handling this product in an enclosed area.

ADMINISTRATIVE CONTROLS

Follow all precautions and directions for use on product label.

PROTECTIVE CLOTHING AND EQUIPMENT

Wash thoroughly after handling and before eating, drinking, smoking or using toilet.

RESPIRATORY PROTECTION

For normal handling and use, a respirator is not required. For excessively dusty conditions, use a dust mask approved by MSHA/NIOSH. See OSHA regulations in 29 CFR § 1910.134 before using any respiratory or dust mask.

EYE PROTECTION

Good safety practices suggest the use of goggles to prevent contact with eyes.

HAND PROTECTION

Good safety practices suggest the use of chemical-resistant (natural rubber) gloves, to prevent skin contact.

SKIN PROTECTION

Wear long-sleeved shirt and long trousers to reduce skin contact.

CONTAMINATED EQUIPMENT

Launder contaminated clothing separately from street clothes. Clean contaminated boots/shoes and other equipment with detergent and water immediately after use.

SAFETY STATIONS

Clean water should be available to flush eyes and /or skin in case of accidental contact.

CHEMICAL INCOMPATIBILITIES

Strong oxidizers

HAZARDOUS POLYMERIZATION

Will not occur

T&N, Incorporated

Professional Turf and Ice Melt Products

815 Highway T • P.O. Box 240 • Foristell, MO 63348-0240

Local (636) 673-2505 • Toll Free (866) 670-2505 • Fax (636) 673-2750

E-Mail: tandninc@aol.com

www.tandninc.com

MATERIAL SAFETY DATA SHEET

PRODUCT

Greenskeeper's Secret Weed & Feed 25-3-3 with 2, 4-D Amine

HANDLING AND STORAGE PRECAUTIONS

HANDLING PRECAUTIONS

Wear appropriate protective gear when handling open containers. Do not take internally. Avoid contact with eyes, skin or clothing.

Wash thoroughly after handling.

STORAGE REQUIREMENTS

Store in a locked, dry area, away from feed or food, and out of reach of children, pets and domestic animals. Keep containers tightly closed when not in use. Store in original container only. Do not remove or destroy product label. Dispose of empty containers as specified on product label.

DISCLAIMERS

The following data on T and N, Inc., products provide a guideline only. Any specific health concerns should be directed to a qualified industrial hygienist. This Material Safety Data Sheet is provided as a courtesy by T and N, Inc., to its customers. Judgments as to the suitability of information herein for the purchaser's responsibility. Therefore, although reasonable care has been taken in the preparation of such information, T and N, Inc., extends no warranties, makes no representations and assumes no responsibility for the accuracy or suitability of such information for application to the purchasers intended purposes or for the consequences of its use.