



MATERIAL SAFETY DATA SHEET

TERMINATOR 41 SL

Ingredients/Identity Information

Ingredient: GLYPHOSATE, N-PHOSPHONOMETHYLGLYCINE, IN THE FORM OF ITS ISOPROPYLAMINE SALT

Ingredient Sequence Number: 01

Percent: 48 % SL
NIOSH (RTECS) Number: 1008312GP
CAS Number: 1071-83-6
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
Other Recommended Limit: NONE SPECIFIED

Proprietary: NO
Ingredient: INERT FILLERS
Ingredient Sequence Number: 02
Percent: 59 %
NIOSH (RTECS) Number: 1002798IF
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
Other Recommended Limit: NONE SPECIFIED

PRODUCT COMPOSITION

Ingredient	Content, g/L
Glyphosate IPA	480
Polyoxyethylenamine	150
Water	Up to 1 L



Physical/Chemical Characteristics

Appearance and Odor:	CLEAR, VISCOUS AMBER-COLORED SOLUTION. PRACTICALLY ODOURLESS TO SLIGHT AMINE-LIKE
Boiling Point:	UNKNOWN
Melting Point:	UNKNOWN
Vapor Pressure (MM Hg/70 F):	UNKNOWN
Vapor Density (Air=1):	UNKNOWN
Specific Gravity:	1.17
Decomposition Temperature:	UNKNOWN
Evaporation Rate And Ref:	UNKNOWN
Solubility In Water:	UNKNOWN
pH:	4.7
Corrosion Rate (IPY):	UNKNOWN

Fire and Explosion Hazard Data

Flash Point:	>200F,>93C
Flash Point Method:	PMCC
Lower Explosive Limit:	UNKNOWN
Upper Explosive Limit:	UNKNOWN
Extinguishing Media:	USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.
Special Fire Fighting Proc:	WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.
Unusual Fire And Expl Hazrds:	COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

Reactivity Data

Stability:	YES
Cond To Avoid (Stability):	STABLE FOR AT LEAST 5 YEARS UNDER NORMAL CONDITIONS OF WAREHOUSE STORAGE. HEATED FACILITIES ARE NOT REQUIRED.
Materials To Avoid:	THIS PRODUCT IN CONTACT WITH GALVANIZED OR UNLINED STEEL



MAYA FORM FLAMMABLE AND EXPLOSIVE HYDROGEN GAS.

Hazardous Decomp Products: CARBON MONOXIDE, CARBON DIOXIDE, INCOMPLETELY BURNED CARBON PRODUCTS.

Hazardous Poly Occur: NO

Conditions To Avoid (Poly): NONE. WILL NOT OCCUR.

Health Hazard Data

LD50-LC50 Mixture: LD 50 ORAL RAT > 5000 MG/KG
Route Of Entry - Inhalation: YES
Route Of Entry - Skin: YES
Route Of Entry - Ingestion: NO
Health Haz Acute And Chronic: ACUTE: TEMPORARY EYE IRRITATION AND CONJUNCTIVITIS, GASTROINTESTINAL DISCOMFORT. INGESTION OF LARGE QUANTITIES MAY RESULT IN HYPOTENSION AND PULMONARY EDEMA. CHRONIC: SKIN IRRITATION.

Carcinogenicity - NTP: NO
Carcinogenicity - IARC: NO
Carcinogenicity - OSHA: NO
Explanation Carcinogenicity: NONE OF THE INGREDIENTS IN THIS PRODUCT IS LISTED BY NTP, IARC OR OSHA AS A CARCINOGEN. GASTROINTESTINAL DISCOMFORT, IRRITATION OF THE MOUTH, NAUSEA, VOMITING, DIARRHEA.

Med Cond Aggravated By Exp: NONE NOTED.
Emergency/First Aid Proc: EYES: FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION. SKIN: WASH WITH SOAP AND WATER WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. INHALATION: REMOVE VICTIM TO FRESH AIR. GET MEDICAL ATTENTION IF BREATHING DIFFICULTY DEVELOPS. INGESTION: DRINK MILK, EGG WHITES OR GELATIN SOLUTION OR WATER. GET MEDICAL ATTENTION.



Precautions for Safe Handling and Use

Released/Spill:	ABSORB WITH ABSORBENT CLAY SUCH AS ATTAPULGITE OR BENTONITE. PLACE IN PLASTIC-LINED METAL DRUM THOROUGHLY SCRUB FLOORS WITH STRONG INDUSTRIAL TYPE DETERGENT SOLUTION AND RINSE WITH WATER.
Neutralizing Agent:	NOT APPLICABLE
Waste Disposal Method:	CONTACT YOUR LOCAL ENVIRONMENTAL OFFICER. DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS. MANUFACTURER RECOMMENDS DISPOSAL IN A LANDFILL APPROVED FOR PESTICIDES. DO NOT REUSE CONTAINER.
Precautions-Handling/Storing:	SPRAY SOLUTIONS OF THIS PRODUCT SHOULD BE MIXED, STORED OR APPLIED ONLY IN STAINLESS STEEL, ALUMINUM, FIBERGLASS, PLASTIC AND PLASTIC LINED CONTAINERS.
Other Precautions:	TRIPLE RINSE CONTAINERS IF METAL DRUMS. DO NOT REUSE PLASTIC DRUMS.

Control Measures

Respiratory Protection:	NONE	NORMALLY REQUIRED. NIOSH/MSHA-APPROVED RESPIRATOR APPROVED FOR PESTICIDE IN CASE OF HEAVY SPRAY OR MIST.
Ventilation:		NO SPECIAL REQUIREMENT.
Protective Gloves:		RUBBER GLOVES.
Eye Protection:		CHEMICAL SPLASH GOGGLES.



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Other Protective Equipment:	PROTECTIVE CLOTHING AS REQUIRED TO MINIMIZE EXPOSURE FROM PROLONGED OR REPEATED CONTACT.
Work Hygienic Practices:	WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.
Suppl. Safety & Health Data:	DO NOT CONTAMINATE WATER, FOODSTUFFS, FEED OR SEED BY STORAGE OR DISPOSAL. EMPTIED CONTAINER RETAINS VAPOR AND PRODUCT RESIDUE. OBSERVE ALL LABELED SAFEGUARDS UNTIL CONTAINER IS CLEANED, RECONDITIONED OR DESTROYED.

DISPOSAL

Disposal should be carried out in accordance with local, state and national legislation.

TRANSPORT INFORMATION

This product has no UN classification. Observe all relevant regulations regarding , transport and this class of product
Not Hazardous under DOT

REGULATORY INFORMATION

Effect on exposure:

Acute: Excessive salivation, sweating, fitahue, weakness, nausea, headache, dizziness, eye and respiratory tract irritation.

Chronic: same as above, plus conjunctivitis, photophobia, and blurred vision

OTHER INFORMATION

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification, since the conditions of the operations mentioned are beyond our control. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the text. Willowood disclaims any liability for loss or damage resulting from the use of these data, information or suggestions.