



MATERIAL SAFETY DATA SHEET

1: CHEMICAL PRODUCT IDENTIFICATION

Product Name: GA50 SQUEEGEE CLEANER
Product Code: GA50
MSDS Date: April 20, 2007

2: COMPOSITION, INFORMATION ON INGREDIENTS

No.	Component CAS REG. NO.	Amount %	OSHA		ACGIH	
			TWA	STEL	TLV	STEL
1	trimethyl pentanediol diiosbutyrate 6846-50-0	90 - 100	5 mg		5 mg	

3: HAZARDS IDENTIFICATION EMERGENCY RESPONSE INFORMATION

HAZARDS	HMIS	NFPA	RATING	DEGREE OF HAZARD	SPECIAL EQUIPMENT LEGEND			
Toxicity	1	1	4	Extreme	A	Safety Glasses	F	C + Dust Mask
Fire	0	0	3	High	B	A + Gloves	G	B + Respirator
Reactivity	0	0	2	Moderate	C	B + Apron	H	F + Goggles
Special	B		1	Slight	D	C + Face Shield	I	B + Respirator
			0	Insignificant	E	B + Dust Mask	X	Ask Supervisor

Caution! Potentially combustible liquid and vapor. Harmful if inhaled. High vapor concentrations may cause dizziness. May cause skin irritation. Causes eye irritation. Harmful if swallowed. Pulmonary aspiration hazard: can enter lungs and cause damage.

HEALTH EFFECTS FROM OVEREXPOSURE

Primary Routes of Exposure

- Skin Contact
- Eye Contact
- Inhalation
- Ingestion

Eye Contact:

Direct contact with material can cause mild irritation.

Skin Contact:

Studies of skin absorption of material has demonstrated no harmful effects. May cause irritation with prolonged or repeated contact. Removes natural oils and fats from skin.

Inhalation:

Inhalation of mist or spray can cause irritation to nose, throat and lungs.

Ingestion:

Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause



mild to severe pulmonary injury.

4: FIRST AID MEASURES

Inhalation:

Remove subject to fresh air. Keep subject at rest. If not breathing, give artificial respiration. Obtain medical assistance.

Eye Contact:

Flush eyes with a large amount of water for at least 15 minutes. Consult a physician if irritation persists.

Skin Contact:

Wash affected skin areas thoroughly with soap and water until no odor remains. If redness or swelling develops, consult a physician. Immediately remove contaminated clothing and wash before reuse.

Ingestion:

Do Not induce vomiting! Do Not give liquids. Keep subject at rest. Obtain Emergency Medical Attention. Small amounts which accidentally enter the mouth should be rinsed out until the taste is gone.

5: FIRE FIGHTING MEASURES

FIRE AND EXPLOSIVE PROPERTIES:

Flash Point:	262°F TCC
Auto-ignition Temperature:	795°F
Lower Explosion Limit:	0.48% Volume
Upper Explosion Limit:	3.1% Volume

Unusual Hazards:

Potentially combustible liquid. Toxic gasses will form upon combustion. Material will float on water.

Extinguishing Agents:

Water spray, regular foam, dry chemical, carbon dioxide are appropriate. Use extinguishing media appropriate for surrounding media. Avoid spraying water directly into storage containers due to danger of boilover. Use water spray to cool adjacent fire exposed containers to avoid rupture and spattering.

Personal Protective Equipment:

As in any fire, wear self contained breathing apparatus (pressure demand, MSHA/NIOSH approved or equivalent) and full protective gear.

Special Procedures:

None.

6: ACCIDENTAL RELEASE MEASURES

Personal Protection:

Appropriate protective equipment must be worn when handling a spill of this material. See the PERSONAL PROTECTION MEASURES Section for recommendations. If exposed to material during clean-up operations, see the FIRST AID PROCEDURES Section for appropriate actions.

Procedures:

Prevent ignition; stop leak; ventilate area; keep spectators away; contain spill immediately with inert noncombustible materials (e.g. sand, earth, absorbent). Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.

CAUTION: Keep spills and cleaning runoff out of municipal sewers, watercourses and open bodies of water.



7: HANDLING AND STORAGE

Handling:

Avoid contact with skin, eyes or clothing. Avoid breathing of mist. Never siphon by mouth.
Remove and wash contaminated clothing before reuse.
Practice good personal hygiene: Wash after handling; shower at end of work period.

Storage Conditions:

Keep away from heat, sparks and open flame. Protect from storage temperatures above 150°F.
Keep Out of Reach of Children.

Store upright in original closed container.

"Empty" containers retain product residue (liquid and/or vapor) that can be dangerous. Do NOT pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks, static electricity or other sources of ignition due to explosion or fire hazard. Empty drums should be completely drained and properly bunged and promptly returned to a reconditioner or other proper disposal.

8: EXPOSURE CONTROLS, PERSONAL PROTECTION

Respiratory Protection:

A respiratory program meeting OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Use of local exhaust ventilation is recommended, especially for confined spaces.

Eye Protection:

Wear chemical splash goggles (ANSI Z87.1 or approved equivalent), or full face shield.

Hand Protection:

Wear gloves resistant to solvent permeation: neoprene, nitrile, polyvinyl alcohol, viton.

Other Protection:

None required.

FACILITY CONTROL MEASURES:

Ventilation:

Use with adequate ventilation. Local exhaust ventilation is recommended.

Other Protective Equipment:

Facilities storing or utilizing this material should be equipped with eyewash.

9: PHYSICAL AND CHEMICAL PROPERTIES

TYPICAL

State	Liquid
Appearance	Clear
Color	Colorless to Amber
Odor	Mild
Specific Gravity @ 60°F	0.948
Density @ 60°F	7.88 Lbs/Gal
Vapor Density (Air = 1)	9.9
Vapor Pressure	< 0.01 mm Hg @ 20°C = 68°F
Freezing Point	< -70°C
Boiling Point	536 °F = 280 °C



Solubility in Water	Negligible
Percent Volatility	Not under normal conditions
Evaporation Rate (Ether = 1)	.04 Approximate
VOC %	0% = 0.0 Lbs/Gal See method 24
HAP %	0% = 0 Lbs/Gal

10: STABILITY AND REACTIVITY

Instability:

This material is considered stable.

Hazardous Decomposition Products:

There are no known hazardous decomposition products for this material except for Carbon Dioxide, Carbon Monoxide if burned.

Hazardous Polymerization:

This product will not undergo polymerization.

Incompatibility:

This product is not compatible with strong acids and strong oxidizing agents.

11: TOXICOLOGICAL INFORMATION

Inhalation of vapor may be harmful. Skin contact can incur absorption. Repeated or prolonged contact is irritating. Eye contact is irritating. Oral consumption is harmful if swallowed. Pulmonary aspiration can enter lungs and cause damage.

12: ECOLOGICAL INFORMATION

Toxic to fish and food organisms.

13: DISPOSAL CONSIDERATIONS

Procedure:

Incinerate liquid and contaminated solids in accordance with local, state and federal regulations.

14: TRANSPORTATION INFORMATION

Proper Shipping Name: Not DOT Regulated except as "Contains Oil"

Hazard Class: None

Identification No.: None

Packing Group: None

Label: None

Emergency Response Guide No.: Use as a guide: 128

RQ: None

15: REGULATORY INFORMATION

WORKPLACE CLASSIFICATIONS

This product is not considered to be hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200).

This product may be a 'controlled' product under the Canadian Workplace Hazardous Materials Information System (WHMIS).



Status is Unknown

EMERGENCY PLANNING AND COMMUNITY RIGHT - TO KNOW (SARA TITLE III)

Section 311/312 Categorizations (40 CFR 370)

This product is not a hazardous material under 29 CFR 1910.1200, and therefore is not covered by Title III of SARA and is not classified.

Section 313 Information (40 CFR 372)

This product does not contain chemicals which are listed in Section 313 at or above the de minimis concentrations.

CERCLA INFORMATION (40 CFR 302.4)

Releases of this material to air, land or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or to the state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304.

CLEAN WATER ACT/OIL POLLUTION ACT

This product is classified as an oil under Section 311 of the Clean Water Act (40 CFR 110) and the Oil Pollution Act of 1990. Discharge or spills which produce a visible sheen on either surface water, or in waterways/sewers which lead to surface water must be reported to the National Response Center at 800-424-8802.

RCRA INFORMATION

When a decision is made to discard this material as supplied, it does not meet RCRA's characteristic definition of ignitability.

CHEMICAL CONTROL LAW STATUS

All components of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

16: OTHER SUPPLEMENTAL INFORMATION

ABBREVIATIONS

ACGIH	American Conference of Governmental Industrial Hygienists
OSHA	Occupational Safety and Health Administration
TLV	Threshold Limit Value
PEL	Permissible Exposure Limit
TWA	Time Weighted Average
STEL	Short Term Exposure Limit
BAc	Butyl acetate
NE	Not Established
ND	Not Determined
NA	Not Applicable

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