

Glidco Pine Oil-230

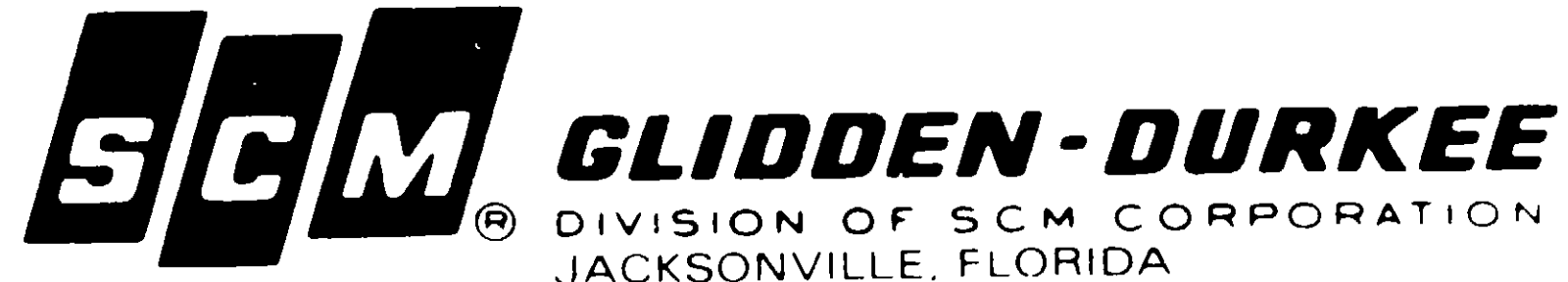
For manufacturing germicides

Net wt. 420 lbs.

EPA Reg. No. 13648-5

Active Ingredient 100% Pine Oil

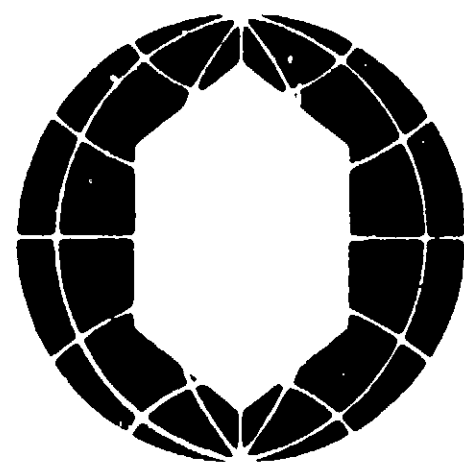
Rinse empty drum thoroughly clean with water before discarding
or returning to drum reconditioner.



WARNING: Keep out of reach of children. Harmful if swallowed. May cause eye damage. Causes skin irritation. Do not get in eyes or on skin. Avoid contamination of food.

FIRST AID: In case of contact with eyes or skin, wash immediately with water. For eyes, get medical attention. If swallowed, do not induce vomiting. Vomiting may be harmful. Consult physician immediately.

See Technical Service Report TSR-73-4 for use information.



Our nature is to improve on nature Technical Service Report

TSR 73-4

GLIDCO® PINE OIL 230 and GLIDCO® PINE OIL 140

IN CLEANERS AND DISINFECTANTS

INTRODUCTION

Our Technical Service Report TSR 73-3 describes in detail the use of GLIDCO® PINE OIL 150 in the preparation of scrub soaps, cleaners, and disinfectants. These same formulations and identical manufacturing techniques can also be used to prepare similar products from either our GLIDCO® PINE OIL 230 or from GLIDCO® PINE OIL 140. However, because of the differences in the alpha terpineol content of these three pine oils, the phenol coefficients expected on formulations prepared from GLIDCO® PINE OIL 230 or GLIDCO® PINE OIL 140 may be somewhat different than those indicated in Tables I and II of TSR 73-3

GLIDCO® PINE OIL 230

Our premium grade of pine oil in all respects, like GLIDCO® PINE OIL 150, meets Federal Specifications LLL-P-400a, Type I. It has a higher alpha terpineol content than our Pine Oil 150; hence it can be expected to provide phenol coefficients a little higher than those indicated in Tables I and II of TSR 73-3 for the formulation prepared from GLIDCO® PINE OIL 150.

GLIDCO® PINE OIL 140

Our most economical pine oil. It has the same pleasing odor and desirable cleaning, penetrating and solvency power of our GLIDCO® PINE OILS 230 or 150. However its alpha terpineol content is lower than that of GLIDCO® PINE OIL 150. This indicates that the phenol coefficients of cleaners and disinfectants prepared from this pine oil will be somewhat less than those reported for the various formulations in Tables I and II of TSR-73-3.

PHENOL COEFFICIENT VS. TYPE PINE OIL USED

As mentioned above, the phenol coefficient expected from a given formulation is largely dependent on the type of GLIDCO® PINE OIL used in the formulation. This is indicated in Table A.

TABLE A

FORMULATIONS

Following are some formulations describing the use of GLIDCO® PINE OIL 230 and GLIDCO® PINE OIL 140 in the preparation of pine odor and pine oil disinfectants.

TABLE B
PINE ODOR AND PINE OIL DISINFECTANTS

FORMULATION NUMBER	PINE ODOR DISINFECTANT		PINE OIL DISINFECTANT	
	231	492	494	
GLIDCO @PINE OIL 230	15.0	80.0	—	80.0
GLIDCO @PINE OIL 140	—	—	80.0	—
SYLVATAL @40	8.0	9.0	9.0	12.5
KOH (50%)	3.1	3.4	3.4	4.8
Water	67.9	7.6	7.6	2.7
Isopropanol	6.0	—	—	—
% Active Ingredients	30.0	91.9	91.9	94.1
Phenol Coefficient	4.0	7.0	4.0	—
Phenol Coefficient with 3% Dowicide® 32 (*)	6.0	—	—	—

DESCRIPTION

Formulation 231 - Not previously listed in TSR 73-3. A pine odor disinfectant.

From GLIDCO® PINE OIL 230 — Possesses a strong, piney odor, both in the bottle and from the dispersion. The phenol coefficients are good, with or without the added fortifier.

Formulation 492 - Previously listed in TSR 73-3.

From GLIDCO® PINE OIL 230 — A superior pine oil disinfectant meeting Federal Specifications OD-001276 (GSA-FSS).

From GLIDCO® PINE OIL 140 — An economical pine oil disinfectant producing a remarkably dense white

GLIDCO ®PINE OIL 140	—	—	80.0	—
SYLVATAL ®40	8.0	9.0	9.0	12.5
KOH (50%)	3.1	3.4	3.4	4.8
Water	67.9	7.6	7.6	2.7
Isopropanol	6.0	—	—	—
% Active Ingredients	30.0	91.9	91.9	94.1
Phenol Coefficient	4.0	7.0	4.0	—
Phenol Coefficient with 3% Dowicide® 32 (*)	6.0	—	—	—

DESCRIPTION

Formulation 231 - Not previously listed in TSR 73-3. A pine odor disinfectant.

From GLIDCO ® PINE OIL 230 – Possesses a strong, piney odor, both in the bottle and from the dispersion. The phenol coefficients are good, with or without the added fortifier.

Formulation 492 - Previously listed in TSR 73-3.

From GLIDCO ®PINE OIL 230 – A superior pine oil disinfectant meeting Federal Specifications OD-001276 (GSA-FSS).

From GLIDCO ® PINE OIL 140 – An economical pine oil disinfectant producing a remarkably dense white dispersion.

Formulation 494 – Previously listed in TSR 73:3.

From GLIDCO ® PINE OIL 230 - An 80% pine oil disinfectant, with high soap content, which has excellent cleaning properties and a high phenol coefficient. An excellent heavy duty typhoid sick room cleaner.

PREPARATION PROCEDURE

- (1) Combine GLIDCO ®PINE OIL with SYLVATAL 40, and add chloro-o-phenylphenol, if specified.
- (2) Add isopropyl alcohol if required.
- (3) Add KOH slowly with stirring and mix until clear.
- (4) Add water slowly with stirring and stir until clear.

(*) Registered Trademark of Dow Chemical Company

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TABLE C
SPECIFICATIONS
GLIDCO®PINE OIL 230 and GLIDCO® PINE OIL 140

	PINE OIL 230	PINE OIL 140
Specific Gravity at 15.5/15.5° C., Min .	0.935	0.917
Terpene Alcohols, % Min.	90.0	70.0
Moisture, % Max.	0.5	0.5

PRECAUTIONARY STATEMENT

WARNING: Keep out of reach of children. Harmful if swallowed. May cause eye damage. Causes skin irritation. Do not get in eyes or on skin. Avoid contamination of food.

FIRST AID: In case of contact with eyes or skin, wash immediately with water. For eyes, get medical attention. If swallowed – **DO NOT INDUCE VOMITING.** Vomiting may be harmful. **CONSULT PHYSICIAN IMMEDIATELY.**