

MATERIAL SAFETY DATA SHEET

(a) LOVED BY THE U.S. DEPARTMENT OF LABOR AS "essentially similar" to form OSHA-20 (former LSB-OSS-4)
 FOR HAZARDOUS PRODUCTS USED IN PLACES OF EMPLOYMENT

Section 1 NAME AND PRODUCT 4-3794 Offset Toner Solution EMERGENCY PHONE NO.: 24 HOURS
 MANUFACTURER'S NAME (b) A.B.DICK COMPANY (b) 312 - 647 - 8800

STREET ADDRESS (c) 5700 WEST TOUHY AVENUE For latest data, contact manufacturer. (d) DATE THIS FORM WRITTEN
 CITY, STATE, ZIP CODE (c) CHICAGO, ILLINOIS 60648 (d) November 1, 1988

CHEMICAL NAME, TRADE NAME, AND SYNONYMS (f) Kenneth W. Pinter *Kenneth W. Pinter*
 SIGNATURE

(g) Electrostatic Toner Dispersant

HAZARD CLASSIFICATION FOR DEPARTMENT OF TRANSPORTATION (DOT)

Flammable Liquid Combustible Liquid Corrosive Material

DOT Shipping Name Petroleum Naphtha Solution UN# 1255

Section 2 HAZARDOUS INGREDIENTS CAS Reg. No. % Wt. TLV (units)

1. Petroleum Distillate (Isoparaffinic hydrocarbon mixture) 64742-48-9 97-99 TLV: None
 PEL: establish
 Other: 300ppm

Section 3 PHYSICAL DATA pH N.A. FREEZING POINT (°F) N.A.

2. BOILING POINT (°F)	313-380	6. SPECIFIC GRAVITY (H ₂ O = 1)	0.74 - 0.76
3. VAPOR PRESSURE (mmHg at 25°C)	30-36	7. % VOLATILE BY VOLUME	100
4. VAPOR DENSITY (air=1)	5.0 - 5.3	8. COLOR AND ODOR	Black - Petroleum
5. SOLUBILITY IN WATER	Negligible	9. PHYSICAL STATE	Liquid

Section 4 FIRE AND EXPLOSION HAZARD DATA

10. FLASH POINT (AND METHOD USED) 11. FLAMMABLE LIMITS (STP)
 102-128 OF T.O.C., T.C.C., C.O.C. L.F.L. 0.7% U.F.L. 7.0%

12. EXTINGUISHING MEDIA: WATER FOG FOAM ALCOHOL FOAM CO₂ DRY CHEMICAL
 OTHER

13. SPECIAL FIRE FIGHTING PROTECTIVE EQUIPMENT
 Water spray should be used to cool fire exposed container and/or disperse unignited vapors. Use NIOSH/MSHA approved positive pressure self-contained breathing apparatus when any material is involved in fire.

14. UNUSUAL FIRE AND EXPLOSION HAZARDS
 None

Section 5 REACTIVITY DATA

15. STABILITY NORMAL CONDITIONS Stable 16. CONDITIONS TO AVOID
 FIRE CONDITIONS Stable High heat-ignition sources of any kind.

17. INCOMPATIBILITY (Materials to avoid)
 WATER ACID BASE CORROSIVE STRONG OXIDIZING MATERIAL
 OTHER Liquid chlorine, concentrated oxygen, hypochlorites.

18. HAZARDOUS DECOMPOSITION PRODUCTS
 Carbon monoxide/carbon dioxide.

19. HAZARDOUS POLYMERIZATION MAY OCCUR

20. CONDITIONS TO AVOID High heat-ignition sources of any kind.

Material Safety Data Sheet - (continued)

Section 6 HEALTH HAZARD DATA Primary Routes of Entry: Dermal, Inhalation.

21. ORAL INGESTION Oral LD₅₀ (rat): > 5g./Kg. May cause headache, nausea, vomiting, central nervous system depression.

22. EYE CONTACT
May cause eye irritation.

23. SKIN CONTACT May cause dizziness, headache, CNS depression. Dermal LD₅₀ (rabbit):
> 2g./Kg. May cause irritation and dermatitis.

24. Carcinogenicity: Not known to be carcinogenic.
Mutagenicity: Not known to be mutagenic.

25. INHALATION (TLV OR SUGGESTED CONTROL FIGURE) TLV: None established. Other 300ppm. LC₅₀: No data.
May cause dizziness, headache, CNS depression. Chronic: May cause mild kidney effects.

26. EFFECTS OF OVEREXPOSURE Skin, eye and mucous membrane irritation. May cause dizziness, lightheadness, nausea, CNS depression. Chronic: May cause dermatitis, mild kidney and mild

27. FIRST AID PROCEDURES

Ingestion: DO NOT induce vomiting. Immediately drink water to dilute. ^{leptemia effects} Call a physician.

Eye: Flush with water for 15 minutes, call a physician.

Skin: Flush with water. If irritation develops, call a physician.

Inhalation: Remove victim to fresh air. Call physician.
Medical Conditions Generally Aggravated by Exposure. Unknown.

Section 7 SPILL OR LEAK PROCEDURES

28. STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Remove all sources of Ignition. Wear NIOSH/MSHA approved organic vapor respirators. Follow OSHA regulations for respirator use. Wear goggles, coveralls, nitrile gloves and boots. Add non-combustible dry absorbent. Clean up and place in an appropriate container.
29. DISPOSAL METHOD Dispose of contaminated product, empty containers and materials used in cleaning up spills or leaks in a manner approved for this material. Consult appropriate federal, state and local regulatory agencies to determine proper disposal procedures.

Section 8 SPECIAL PROTECTION INFORMATION

30. VENTILATION	LOCAL EXHAUST N.A.	SPECIAL N.A.
	MECHANICAL (General) Acceptable	OTHER N.A.

31. RESPIRATORY PROTECTION (Specify Type)
Not normally required when used as intended.

32. PROTECTIVE CLOTHING
Not normally required.

33. EYE PROTECTION NOT NORMALLY NECESSARY SAFETY GLASSES WITHOUT SIDE SHIELDS CHEMICAL WORKERS GOGGLES
 GAS TIGHT GOGGLES OR EQUIVALENT SAFETY GLASSES WITH SIDE SHIELDS OTHER

34. OTHER PROTECTIVE EQUIPMENT
None.

Section 9 SPECIAL PRECAUTIONS OR OTHER COMMENTS

35. PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Avoid contact with skin, eyes or clothing. DO NOT take internally. Upon contact with skin or eyes wash off with water. Store in a cool dry well-ventilated place away from all sources of ignition. Avoid contact with strong oxidants. Avoid breathing mist or vapor.

36. OTHER PRECAUTIONS

None.

HMIS Rating	2 Health
2 Flammability	0 Reactivity