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\*\*\*\* MATERIAL SAFETY DATA SHEET \*\*\*\*

2,6-Diisopropylaniline, 95%  
58282

\*\*\*\* SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION \*\*\*\*

MSDS Name: 2,6-Diisopropylaniline, 95%

Catalog Numbers:  
AC169410000, AC169410050, AC169411000, AC169415000

Synonyms:

Company Identification (Europe): Acros Organics BVBA  
Janssen Pharmaceuticaal 3a  
2440 Geel, Belgium

Company Identification (USA): Acros Organics  
One Reagent Lane  
Fairlawn, NJ 07410

For information in North America, call: 800-ACROS-01  
For information in Europe, call: 0032(0) 14575211  
For emergencies in the US, call CHEMTREC: 800-424-9300  
For emergencies in Europe, call: 0032(0) 14575299

\*\*\*\* SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS \*\*\*\*

CAS#	Chemical Name	%	EINECS#
24544-04-5	2,6-Diisopropylaniline, 95%		246-305-4

Hazard Symbols: XI  
Risk Phrases: 36/37/38

\*\*\*\* SECTION 3 - HAZARDS IDENTIFICATION \*\*\*\*

EMERGENCY OVERVIEW

Appearance: colorless to pale orange liquid.  
Caution! May cause eye and skin irritation. May cause respiratory  
and digestive tract irritation.  
Target Organs: None.

Potential Health Effects

Eye:  
May cause eye irritation.  
Skin:  
May cause skin irritation.  
Ingestion:  
May cause irritation of the digestive tract.  
Inhalation:  
May cause respiratory tract irritation.  
Chronic:  
Not available.

\*\*\*\* SECTION 4 - FIRST AID MEASURES \*\*\*\*

Eyes:  
Flush eyes with plenty of water for at least 15 minutes,  
occasionally lifting the upper and lower eyelids. Get medical aid  
immediately.  
Skin:  
Get medical aid. Flush skin with plenty of water for at least 15  
minutes while removing contaminated clothing and shoes.  
Ingestion:  
If victim is conscious and alert, give 2-4 cupfuls of milk or water.  
Never give anything by mouth to an unconscious person. Get medical  
aid.  
Inhalation:  
Remove from exposure and move to fresh air immediately. If not  
breathing, give artificial respiration. If breathing is difficult,  
give oxygen. Get medical aid.  
Notes to Physician:  
Treat symptomatically and supportively.

\*\*\*\* SECTION 5 - FIRE FIGHTING MEASURES \*\*\*\*

General Information:  
As in any fire, wear a self-contained breathing apparatus in  
pressure-demand, MSHA/NIOSH (approved or equivalent), and full  
protective gear.  
Extinguishing Media:  
Use water spray, dry chemical, carbon dioxide, or appropriate foam.  
Autoignition Temperature: Not available.  
Flash Point: 123 deg C ( 253.40 deg F)  
Explosion Limits, lower: Not available.  
Explosion Limits, upper: Not available.  
NFPA Rating: Not published.

\*\*\*\* SECTION 6 - ACCIDENTAL RELEASE MEASURES \*\*\*\*

General Information: Use proper personal protective equipment as indicated

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in Section 8.

Spills/Leaks:  
Sweep up or absorb material, then place into a suitable clean, dry,  
closed container for disposal.

\*\*\*\* SECTION 7 - HANDLING and STORAGE \*\*\*\*

Handling:

Wash thoroughly after handling. Use only in a well-ventilated area.  
Avoid contact with eyes, skin, and clothing. Avoid ingestion and  
inhalation.

Storage:

Keep container closed when not in use. Store in a cool, dry,  
well-ventilated area away from incompatible substances.

\*\*\*\* SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION \*\*\*\*

Engineering Controls:

Use adequate ventilation to keep airborne concentrations low.

Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
2,6-Diisopropylaniline, 95%	2 ppm TWA (listed under ** no name **). skin - potential for cutaneous absorption (listed under ** no name **).	100 ppm IDLH (listed under ** no name **).	5 ppm TWA; 19 mg/m3 TWA (listed under ** no name **).

OSHA Vacated PELs:

2,6-Diisopropylaniline, 95%:  
2 ppm TWA; 8 mg/m3 TWA (listed under \*\* no name \*\*)

Personal Protective Equipment

Eyes:  
Wear appropriate protective eyeglasses or chemical  
safety goggles as described by OSHA's eye and face  
protection regulations in 29 CFR 1910.133 or European  
Standard EN166.  
Skin:  
Wear appropriate protective gloves to prevent skin  
exposure.  
Clothing:  
Wear appropriate protective clothing to prevent skin  
exposure.  
Respirators:  
Follow the OSHA respirator regulations found in 29  
CFR 1910.134 or European Standard EN 149. Always use  
a NIOSH or European Standard EN 149 approved  
respirator when necessary.

\*\*\*\* SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES \*\*\*\*

Physical State: Liquid  
Color: colorless to pale orange  
Odor: None reported.  
pH: Not available.  
Vapor Pressure: <0.01 mmHg @ 20  
Vapor Density: Not available.  
Evaporation Rate: Not available.  
Viscosity: Not available.  
Boiling Point: 257 deg C @ 760.00mmHg  
Freezing/Melting Point: -45 deg C  
Decomposition Temperature: Not available.  
Solubility in water: miscible with ethanol and toluene  
Specific Gravity/Density: .9400g/cm3  
Molecular Formula: C12H19N  
Molecular Weight: 177.29

\*\*\*\* SECTION 10 - STABILITY AND REACTIVITY \*\*\*\*

Chemical Stability:  
Stable under normal temperatures and pressures.  
Conditions to Avoid:  
Not available.  
Incompatibilities with Other Materials:  
Strong oxidizing agents, acids, acid chlorides, acid anhydrides,  
chloroformates.  
Hazardous Decomposition Products:  
Nitrogen oxides, carbon monoxide, carbon dioxide.  
Hazardous Polymerization: Has not been reported.

\*\*\*\* SECTION 11 - TOXICOLOGICAL INFORMATION \*\*\*\*

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RTCS#: CAS# 24544-04-5: BX4025000  
LD50/LC50: CAS# 24544-04-5: Oral, rat: LD50 = 3204 mg/kg.  
Carcinogenicity: 2,6-Diisopropylaniline, 95% -  
ACGIH: A3 - Animal Carcinogen (listed as \*\* undefined \*\*).  
California: carcinogen; initial date 1/1/90 (listed as \*\* undefined \*\*).  
NIOSH: potential occupational carcinogen (listed as \*\* undefined \*\*).  
OSHA: Possible select carcinogen (listed as \*\* undefined \*\*).  
IARC: Group 3 carcinogen (listed as \*\* undefined \*\*).

Epidemiology: No data available.  
Teratogenicity: No data available.  
Reproductive Effects: No data available.  
Neurotoxicity: No data available.  
Mutagenicity: No data available.  
Other Studies: No data available.

\*\*\*\* SECTION 12 - ECOLOGICAL INFORMATION \*\*\*\*

\*\*\*\* SECTION 13 - DISPOSAL CONSIDERATIONS \*\*\*\*

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste.  
US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.  
RCRA P-Series: None listed.  
RCRA U-Series: None listed.

\*\*\*\* SECTION 14 - TRANSPORT INFORMATION \*\*\*\*

US DOT  
Shipping Name: TOXIC LIQUID, ORGANIC, N.O.S.\*  
Hazard Class: 6.1  
UN Number: 2810  
Packing Group: III  
Canadian TDG  
No information available.

\*\*\*\* SECTION 15 - REGULATORY INFORMATION \*\*\*\*

US FEDERAL  
TSCA  
CAS# 24544-04-5 is listed on the TSCA inventory.  
Health & Safety Reporting List  
None of the chemicals are on the Health & Safety Reporting List.  
Chemical Test Rules  
None of the chemicals in this product are under a Chemical Test Rule.  
Section 12b  
None of the chemicals are listed under TSCA Section 12b.  
TSCA Significant New Use Rule  
None of the chemicals in this material have a SNUR under TSCA.  
SARA  
CERCLA Hazardous Substances and corresponding RQs  
None of the chemicals in this material have an RQ.  
SARA Section 302 Extremely Hazardous Substances  
None of the chemicals in this product have a TPQ.  
Section 313  
This chemical is not at a high enough concentration to be reportable under Section 313.  
Clean Air Act:  
CAS# 24544-04-5 listed as \*\* no name \*\* is listed as a hazardous air pollutant (HAP).  
This material does not contain any Class 1 Ozone depleters.  
This material does not contain any Class 2 Ozone depleters.  
Clean Water Act:  
CAS# 24544-04-5 is listed as a Hazardous Substance under the CWA.  
None of the chemicals in this product are listed as Priority Pollutants under the CWA.  
None of the chemicals in this product are listed as Toxic Pollutants under the CWA.  
OSHA:  
None of the chemicals in this product are considered highly hazardous by OSHA.

STATE  
2,6-Diisopropylaniline, 95% can be found on the following state right to know lists: California, (listed as \*\* no name \*\*), New Jersey, (listed as \*\* no name \*\*), Pennsylvania, (listed as \*\* no name \*\*),

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Minnesota, (listed as \*\* no name \*\*), Massachusetts, (listed as \*\* no name \*\*).  
The following statement(s) is(are) made in order to comply with the California Safe Drinking Water Act:  
WARNING: This product contains 2,6-Diisopropylaniline, 95%, listed as \*\* undefined \*\*, a chemical known to the state of California to cause cancer.  
California No Significant Risk Level:  
CAS# 24544-04-5: 100 ug/day NSRL (listed under \*\* no name \*\*)  
European/International Regulations  
European Labeling in Accordance with EC Directives  
Hazard Symbols: XI  
Risk Phrases:

R 36/37/38 Irritating to eyes, respiratory system and skin.  
Safety Phrases:  
S 28A After contact with skin, wash immediately with plenty of water.  
S 36/37 Wear suitable protective clothing and gloves.  
S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

WGK (Water Danger/Protection)

CAS# 24544-04-5: 2  
United Kingdom Occupational Exposure Limits

United Kingdom Maximum Exposure Limits  
CAS# 24544-04-5: MEL-United Kingdom, TWA (listed as \*\* undefined \*\*): 1 ppm TWA; 4 mg/m3 TWA

Canada

CAS# 24544-04-5 is listed on Canada's NDSL List.  
WHMIS: Not available.  
CAS# 24544-04-5 is not listed on Canada's Ingredient Disclosure List.

Exposure Limits

CAS# 24544-04-5 (listed as \*\* undefined \*\*): OEL-ARAB Republic of Egypt: TWA 2 ppm (10 mg/m3); Skin  
OEL-AUSTRALIA: TWA 2 ppm (10 mg/m3); Skin  
OEL-AUSTRIA: TWA 2 ppm (8 mg/m3); Skin  
OEL-BELGIUM: TWA 2 ppm (7.6 mg/m3); Skin  
OEL-CZECHOSLOVAKIA: TWA 5 mg/m3; STEL 20 mg/m3 JAN9  
OEL-DENMARK: TWA 1 ppm (4 mg/m3); Skin  
OEL-FINLAND: TWA 2 ppm (7.6 mg/m3); STEL 4 ppm (15 mg/m3); Skin; CAR  
OEL-FRANCE: TWA 2 ppm (10 mg/m3); Skin  
OEL-GERMANY: TWA 2 ppm (8 mg/m3); Skin; Carcinogen  
OEL-HUNGARY: TWA 5 mg/m3; STEL 10 mg/m3; Skin  
OEL-INDIA: TWA 0.2 mg/m3; Skin  
OEL-JAPAN: TWA 1 ppm (3.8 mg/m3); Skin  
OEL-THE NETHERLANDS: TWA 5 ppm (19 mg/m3); Skin  
OEL-THE PHILIPPINES: TWA 5 ppm (19 mg/m3); Skin  
OEL-POLAND: TWA 5 mg/m3; STEL 20 mg/m3; Skin  
OEL-RUSSIA: TWA 1 ppm; STEL 0.1 mg/m3; Skin  
OEL-SWEDEN: TWA 1 ppm (4 mg/m3); STEL 2 ppm (8 mg/m3); Skin  
OEL-SWITZERLAND: TWA 2 ppm (8 mg/m3); STEL 10 ppm (40 mg/m3); Skin  
OEL-TURKEY: TWA 5 ppm (19 mg/m3); Skin  
OEL-UNITED KINGDOM: TWA 2 ppm (10 mg/m3); STEL 5 ppm; Skin  
OEL IN BULGARIA, COLOMBIA, JORDAN, KOREA check ACGIH TLV  
OEL IN NEW ZEALAND, SINGAPORE, VIETNAM check ACGI TLV

\*\*\*\* SECTION 16 - ADDITIONAL INFORMATION \*\*\*\*

MSDS Creation Date: 3/24/1998 Revision #2 Date: 3/18/2003

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.