

SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Docco #007

Synonyms:

P-1473, Docco #7

Chemical Abstracts Registry No:

MIXTURE

1.2. Relevant identified uses of the substance or mixture and uses advised against

Coatings

1.3. Details of the supplier of the safety data sheet

Aurorium
201 North Illinois Street, Suite 1800
Indianapolis, Indiana 46204 USA
1-336-292-1781

e-mail Address:

SDS@aurorium.com

1.4. Emergency telephone number

Aurorium: 1-336-292-1781

CHEMTREC (USA): +1-800-424-9300 (collect calls accepted)

CHEMTREC (International): +1-703-527-3887 (collect calls accepted)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture (According to Regulation (EC) No 1272/2008, 29 CFR 1910.1200 and the Globally Harmonized System)

Specific Target Organ Systemic Toxicity Repeated Exposure Category 1
Skin Irritation Category 2
Environmental Chronic Category 2
Specific Target Organ Systemic Toxicity Single Exposure Category 3
Flammable Liquids Category 4 (US GHS only)

2.2. Label elements

Hazard Symbols (Pictogram):



Signal Word:

Danger

Hazard Precautions:

H227 - Combustible Liquid
H315 - Causes skin irritation.
H336 - May cause drowsiness or dizziness.
H372 - Causes damage to organs through prolonged or repeated exposure.
H411 - Toxic to aquatic life with long lasting effects.

Prevention Precautionary Statements:

P210 - Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.

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First Aid Precautionary Statements: P264 - Wash hands thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
P314 - Get medical advice/attention if you feel unwell.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P391 - Collect spillage.

Storage Precautionary Statements: P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

2.3. Other hazards

Other Hazards: Not applicable.

SECTION 3: Composition/information on ingredients

3.1. Substances or 3.2. Mixtures

Ingredient	CAS Number	Concentration (weight %)	EC Number	CLP Inventory/ Annex VI	EU CLP Classification (1272/2008)
Solvent naphtha (petroleum), medium aliphatic	64742-88-7	30-60	265-191-7	649-405-00-X	Aquatic Chronic 2; H411 Asp. Tox. 1; H304 Skin Irrit. 2; H315 STOT RE 1; H372 STOT SE 3; H336
Trade Secret	Proprietary	40-70	Not listed.	Not listed.	Not applicable.

NOTE: See Section 8 for exposure limit data for these ingredients. See Section 15 for trade secret information (where applicable).

SECTION 4: First aid measures

4.1. Description of first aid measures

Skin Contact: Immediately flush with water for 15 minutes. Wash the contaminated skin with soap and water. If irritation develops, call a physician.

Eye Contact: Flush eyes with water for at least 15 minutes; if irritation occurs seek medical attention.

Inhalation: Remove from exposure. If not breathing, give artificial respiration and call a physician.

Ingestion: If swallowed, contact physician or poison control center immediately. Do NOT induce vomiting. Do not give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

Acute: Headache, dizziness, drowsiness, nausea, nervousness.
Contact with eyes may cause slight irritation.
Direct contact causes skin irritation.

Delayed Effects: Causes damage to Central Nervous System (CNS) through prolonged or repeated exposure.

4.3. Indication of any immediate medical attention and special treatment needed

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Note to Physician: Treatment should be based on the judgment of the physician in response to the reactions of the patient.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Appropriate Extinguishing Media: Dry chemical, Water fog, Carbon dioxide, Foam

5.2. Special hazards arising from the substance or mixture

Hazardous Products of Combustion: Carbon dioxide, Carbon monoxide

Potential for Dust Explosion: Not applicable.

Special Flammability Hazards: Potential explosion hazard in the form of vapor (within flammability limits) when exposed to heat, flame or static discharge.

5.3. Advice for firefighters

Basic Fire Fighting Guidance: Wear self-contained breathing apparatus and full protective clothing (i.e., Bunker gear). Skin and eye contact should be avoided. Normal fire fighting procedures may be used.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Evacuation Procedures: Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Special Instructions: See Section 8 for personal protective equipment recommendations. Remove all contaminated clothing to prevent further absorption. Decontaminate affected personnel using the first aid procedures in Section 4. Leather shoes that have been saturated must be discarded.

6.2. Environmental precautions

Prevent releases to soils, drains, sewers and waterways.

6.3. Methods and material for containment and cleaning up

Remove all ignition sources. Ventilate the area of spill or leak. Do not allow the spilled product to enter public drainage system or open waterways. Contain spill with inert absorbent material and place in waste container. Dispose of the material in accordance with standard practice for disposal of potentially hazardous materials as required by applicable federal, state or local laws.

6.4. Reference to other sections

Refer to section 8 for information on selecting personal protective equipment. Refer to section 13 for information on spilled product, absorbent and clean up material disposal instructions.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for Unique Hazards: Not applicable.

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- Practices to Minimize Risk:** Wear appropriate protective equipment when performing maintenance on contaminated equipment. Wash hands thoroughly before eating or smoking after handling this material. Do not eat, drink or smoke in work areas. Prevent contact with incompatible materials. Avoid spills and keep away from drains. Handle in a manner to prevent generation of aerosols, vapors or dust clouds.
- Special Handling Equipment:** Not applicable.

7.2. Conditions for safe storage, including any incompatibilities

- Storage Precautions & Recommendations:** Keep away from heat and flame Maintain dry, ventilated conditions for storage.
- Dangerous Incompatibility Reactions:** Strong oxidizing agents
- Incompatibilities with Materials of Construction:** None known

7.3. Specific end use(s)

If a chemical safety assessment has been completed an exposure scenario is attached as an annex to this Safety Data Sheet. Refer to this annex for the specific exposure scenario control parameters for uses identified in subsection 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Country	Occupational Exposure Limit
US-OSHA; petroleum distillates	500 ppm; 2000 mg/m ³

Air Monitoring Method: Collection media: Charcoal; Analysis Method: GC/FID

8.2. Exposure controls

Also see the annex to this SDS (if applicable) for specific exposure scenario controls.

- Other Engineering Controls:** All operations should be conducted in well-ventilated conditions. Local exhaust ventilation should be provided.
- Personal Protective Equipment:** Gloves conforming to at least EN374; long sleeved shirts and trousers without cuffs or impervious clothing (EN 14605); Half mask (EN140) or full face (EN136) respirators with organic vapor/acid gas cartridges and particle filters and chemical goggles (EN166) or face shield.
- Respirator Caution:** Observe OSHA regulations for respirator use (29 CFR 1910.134) or equivalent guidance. Air-purifying respirators must not be used in oxygen-deficient atmospheres.
- Thermal Hazards:** Not applicable.
- Environmental Exposure Controls:** The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Select controls based on a risk assessment of local circumstances. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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Appearance, State & Odor (ambient temperature):	Amber colored liquid with mild oil odor.		
Vapor Pressure:	2 MMHG @ 20°C	Evaporation Rate:	0.1-0.5 (n-Butyl acetate = 1)
Specific Gravity or Density:	No data available.	Vapor Density (air = 1):	4.9
Boiling Point:	320 - 390 °C	Freezing / Melting Point:	No data available.
Solubility in Water:	Not soluble.	Octanol / Water Coefficient:	No data available.
pH:	No data available.	Odor Threshold:	No data available.
Viscosity:	131 mm ² /s	Autoignition Temperature:	220 - 250 °C (naphtha)
Flash Point and Method:	143°F (62°C)	Flammable Limits:	0.7% (LEL) -7% (UEL)
Flammability (solid, gas):	No data available.	Decomposition Temperature:	No data available.
Explosive Properties:	Not explosive.	Oxidizing Properties:	Not an oxidizer.

9.2. Other information

Not applicable.

SECTION 10: Stability and reactivity

<u>10.1. Reactivity</u>	Not classified as dangerously reactive.
<u>10.2. Chemical stability</u>	Stable
<u>10.3. Possibility of hazardous reactions</u>	Not prone to hazardous polymerization
<u>10.4. Conditions to avoid</u>	May present an explosion hazard in the form of vapor (within flammability limits) when exposed to heat or flame. Avoid static discharge and uncontrolled exposure to high temperatures.
<u>10.5. Incompatible materials</u>	Strong oxidizing agents
<u>10.6. Hazardous decomposition products</u>	Carbon dioxide; carbon monoxide

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute Oral LD₅₀:	> 25000 mg/kg (rat)	Solvent naphtha (petroleum), medium aliphatic
Acute Dermal LD₅₀:	> 3000 mg/kg (rabbit)	Solvent naphtha (petroleum), medium aliphatic
Acute Inhalation LC₅₀:	> 13 mg/L (4hr rat)	Solvent naphtha (petroleum), medium aliphatic
Skin Irritation:	Irritating to the skin.	
Eye Irritation:	May cause slight irritation.	
Skin Sensitization:	Not expected to be a sensitizer.	

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Mutagenicity:	No data available.
Reproductive / Developmental Toxicity:	No data available.
Carcinogenicity:	Based on the available information, this material cannot be classified with regard to carcinogenicity.
Target Organs:	Central nervous system
Aspiration Hazard:	Not likely to be an aspiration hazard.
Primary Route(s) of Exposure:	Skin contact and absorption, eye contact, and inhalation. Ingestion is not likely to be a primary route of exposure.
Most important symptoms and effects, both acute and delayed	Headache, dizziness, drowsiness, nausea, nervousness. Contact with eyes may cause slight irritation. Direct contact causes skin irritation. Delayed Effects: Causes damage to Central Nervous System (CNS) through prolonged or repeated exposure.
Additive or Synergistic effects:	None known.
Additional Toxicity Information:	No data available.

SECTION 12: Ecological information

<u>12.1. Toxicity</u>	96 HR EC50 Pseudokirchneriella subcapitata = 450 mg/L 48 HR EC50 Daphnia magna > 100 mg/L 96 HR LC50 PIMEPHALES PROMELAS 800 MG/L [STATIC]	Solvent naphtha (petroleum), medium aliphatic
<u>12.2. Persistence and degradability</u>	No data available No data available.	
<u>12.3. Bioaccumulative potential</u>	No data available	
<u>12.4. Mobility in soil</u>	No data available	
<u>12.5. Results of PBT and vPvB assessment</u>	No data available.	
<u>12.6. Other adverse effects</u>	No data available.	

SECTION 13: Disposal considerations

13.1. Waste treatment methods

US EPA Waste Number:	Not applicable
Waste Classification: (per US regulations)	Dispose of via a licensed waste disposal contractor in line with national and regional environmental regulations
Waste Disposal:	NOTE: Generator is responsible for proper waste characterization. State hazardous waste regulations may differ substantially from federal regulations. Dispose of this material responsibly, and in accordance with standard practice for disposal of potentially hazardous materials as required by applicable international, national, regional, state or local laws, and environmental protection duty of care principles. Do NOT dump into any sewers, on the ground, or into any body of water. For disposal within the EC, the appropriate classification code according to the European Community List of Wastes should be used. Note that disposal regulations may also apply to empty containers and equipment rinsates.

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SECTION 14: Transport information

The following information applies to all shipping modes (DOT/IATA/ICAO/IMDG/ADR/RID/ADN), unless otherwise indicated:

14.1. UN number	NA1993	14.2. UN proper shipping name	Combustible Liquids, n.o.s. (Aliphatic Petroleum Distillates)
14.3. Transport hazard class(es)	3	14.4. Packing group	PG III
14.5. Environmental hazards	Marine Pollutant		
14.6. Special precautions for user	Outside the US: UN3082 Environmentally Hazardous Substances, Liquid, n.o.s.		
NA Emergency Guidebook Numbers:	128	IMDG EMS:	S-E; F-E
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.		

SECTION 15: Regulatory information

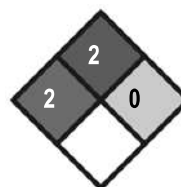
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Chemical Inventory Lists:	Status:		
USA TSCA:	Listed	EINECS:	Listed
Canada(DSL/NDSL):	DSL	Japan:	Not listed
Korea:	Listed	Australia:	Listed
China:	Listed	Philippines:	Listed
Taiwan:	Listed	New Zealand:	Listed
German Water Hazard Classification:	WGK 1- low hazard to waters (<i>self-classification</i>)		
SARA 313:	Not listed.		
Reportable Quantities:	Not applicable.		
State Regulations:	Not applicable.		

HMIS IV:

HEALTH	*2
FLAMMABILITY	2
PHYSICAL HAZARD	0

NFPA:



15.2. Chemical safety assessment

Not applicable.

SECTION 16: Other information

Classification Method: Expert judgment

Legend of Abbreviations:

ACGIH = American Conference on Governmental Industrial Hygienists.
CAS = Chemical Abstracts Service.
CFR = Code of Federal Regulations.

LD = Lethal Dose.
NFPA = National Fire Protection Association.
NIOSH = National Institute of Occupational Safety and Health.

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DSL/NDSL = Domestic Substances List/Non-Domestic Substances List.

EC = European Community.

EINECS = European Inventory of Existing Commercial Chemical Substances.

ELINCS = European List of Notified Chemical Substances.

EU = European Union.

GHS = Globally Harmonized System.

LC = Lethal Concentration.

NTP = National Toxicology Program.

OSHA = Occupational Safety and Health Administration

PEL = Permissible Exposure Limit.

RQ = Reportable Quantity.

SARA = Superfund Amendments and Reauthorization Act of 1986.

TLV = Threshold Limit Value.

WHMIS = Workplace Hazardous Materials Information System.

Important Note: Please note that the information contained herein is furnished without warranty of any kind. Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. The information contained herein may change without prior notice. THIS SAFETY DATA SHEET SUPERSEDES ALL PREVIOUS EDITIONS.

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