Material Safety Data Sheet

SIKKENS CLEANING SOLVENT

Product: 005003SIK

Revision Date: 2003/07/30

Section 1 : PRODUCT AND COMPANY IDENTIFICATION

Chemical family: Mixture.

Manufacturer: Akzo Nobel Coatings Inc.
5555 Spalding Drive
Norcross, GA 30092
USA.

Canadian Supplier: Akzo Nobel Coatings Ltd.
110 Woodbine Downs Blvd.
Unit #4
Etobicoke, Ontario
M9W 5S6.

Emergency Telephone: Canutec 613–996–6666.
Chemtrec 800–424–9300.

Information phone number: 770–246–8454 (USA 7:00am – 4:00pm Eastern Time).

Product uses: Cleaning.

Emergency overview: Clear liquid, organic odor.
DANGER!
Flammable liquid
Poisonous.
Causes reproductive and mutagenic effects.
May cause skin and respiratory sensitization.

Fire Fighting: Flammable liquid, refer to Guide 127 of the North American Emergency Guide Book.

Akzo Nobel Coatings Inc. has no oversight with respect to the guidance practices or policies or manufacturing processes of other companies handling or using this material. The information given in this MSDS is only related to the product as shipped in its original condition as described in section 2, "Hazardous Ingredients" and Section 9 "Physical and Chemical Properties".

This product is considered hazardous under the Federal OSHA Hazard Communication Standard.

Section 2 : INGREDIENT INFORMATION

C.A.S.	CONCENTRATION %	Ingredient Name	Vapor Pressure	ACGIH–TLV	OSHA–PEL	LD/50	LC/50	LEL
108–88–3	45	TOLUENE	22.0	50 ppm	100 ppm/8H	636 MG/KG RAT ORAL 14,100 UL/KG RABBIT DERMAL	49,000 MG/M3/ 4 HOURS RAT INHALATION 400 PPM/ 24 HOURS MOUSE INHALATION	1.1
123–86–4	5 – 10	N–BUTYL ACETATE	8.0	150 ppm	150 ppm/8H	10,768 MG/KG RAT ORAL 6000 MG/KG MOUSE ORAL 3200 MG/KG RABBIT ORAL	390 PPM/4H RAT INHALATION 6000 MG/M3/2H MOUSE INHALATION	1.7

						>17,600 MG/KG RABBIT DERMAL		
67–64–1	40 – 60	ACETONE	181.0	500 ppm	1000 ppm/8H	5800 MG/KG RAT ORAL 3000 MG/KG MOUSE ORAL 5340 MG/KG RABBIT ORAL	50,100 MG/M3/8H RAT INHALATION 44,000 MG/M3/4H MOUSE INHALATION	2.6

Section 2A: ADDITIONAL INGREDIENT INFORMATION

Note: (supplier).
CAS # 108–88–3: LC50 8000 mg/m3 rat inhalation.
CAS # 108–88–3: LD50 12305 mg/m3 rabbit dermal.
CAS # 123–86–4: LC50 2000 mg/m3 rat inhalation.
CAS # 67–64–1: LD50 15,800 mg/m3 rabbit dermal.

Section 3 : HAZARD IDENTIFICATION

Route of entry: Skin contact, eye contact, inhalation and ingestion.

Effects of acute exposure

Eye contact: May cause redness and pain.
Irritation.
May cause blurred vision.
Reversible corneal injury.

Skin contact: May cause redness.
May cause dryness.
Irritation.
Dermatitis.
May be absorbed through the skin.
Removes natural oils from skin.

Inhalation: May cause weakness and fatigue.
May cause headache, nausea, and dizziness.
May cause nasal and respiratory irritation.
May affect the central nervous system.
May cause shortness of breath and coughing.
May cause chest pains.

Ingestion: May cause kidney damage.
Effects may be similar to inhalation.
Gastrointestinal irritation.
May cause blood disorders.
May affect the central nervous system.

Effects of chronic exposure: May cause lung damage.
May cause liver and kidney damage.
May cause cardiac abnormalities.
Pre–existing medical conditions may be aggravated.
Prolonged occupational overexposure to solvents may lead to permanent brain and nervous system damage.
Intentional inhalation of solvents may be harmful or fatal.
May cause central nervous system depression.

Other Health Effects: Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous sysytem damage.

Section 4 : FIRST AID MEASURES

Skin contact: Do not use solvents or thinners.
Remove contaminated clothing.
Wash thoroughly with soap and water.
Seek medical attention if irritation persists.

Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes.
Check for and remove contact lenses.
Obtain immediate medical attention.

Inhalation: Remove victim to fresh air. If not breathing, qualified personnel should administer artificial respiration. Get medical attention.

Ingestion: Do not induce vomiting, seek medical attention.
Give 1–2 glasses of water.
Never give anything by mouth to an unconscious person.
Treat symptomatically.

Section 5 : FIRE FIGHTING MEASURES

Flammability: Flammable.

Conditions of flammability: Vapours may travel to a source of ignition and flash back.
Heat, sparks and open flames.
Vapours are heavier than air.

Extinguishing media: Carbon dioxide, dry chemical, foam.
Water spray or fog.
Do not use water jet or stream.

Special procedures: Self–contained breathing apparatus required.
Firefighters should wear the usual protective gear.
Use water to cool exposed containers.

Auto–ignition temperature: Not available.

Flash point (°C), method: Setaflash closed cup.
40F (4C)

Explosion Data

Sensitivity to static discharge: Take precautionary measures against static discharge.

Sensitivity to mechanical impact: Not available.

Hazardous combustion products: Oxides of carbon (CO, CO2).
Aldehydes.
Dense black smoke.
Various hydrocarbons.
Toxic fumes.

Rate of burning: Not available.

Explosive power: Closed containers may rupture or explode due to pressure build–up when exposed to extreme heat.

Lower explosive limit: Not available.

NFPA Flammability: IB

Section 6 : ACCIDENTAL RELEASE MEASURES

Leak/Spill: Eliminate all sources of ignition.
Absorb with inert material.
Dike area to prevent spreading.
Prevent entry into drains, sewers, and other waterways.
Ventilate area.
Wear appropriate protective equipment.
Ground handling equipment.
Use non–sparking tools.
Place in a closed container for disposal.
Dispose of as hazardous waste.
If necessary report to applicable government agency.

Section 7 : HANDLING AND STORAGE

Handling procedures and equipment: Keep away from heat, sparks, and open flame.
Use adequate ventilation.
Wash thoroughly after using, particularly before eating or smoking.
Avoid breathing dust or vapors.
Discard contaminated shoes and leather articles.
Use proper grounding procedures.
Avoid contact with skin, eyes and clothing.
Wear suitable protective clothing.
Do not take internally.
Ensure all containers are appropriately labelled.
Do not eat, drink or smoke in handling area.
Use with explosion proof equipment.
Launder contaminated clothing prior to reuse.

Storage requirements: Store away from incompatible materials.
Keep containers tightly closed and upright when not in use.
Keep out of direct sunlight.
Keep away from ignition sources.
Do not store in open or unlabelled containers.
Consult NFPA and local codes for additional storage requirements.

Section 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

Precautionary Measures

Gloves/Type:

Solvent resistant gloves.

Respiratory/Type:

When personnel, whether spraying or not, are inside a spray booth, ventilation is unlikely to be sufficient to control particulates and chemical vapor in all cases. In such cases air supplied respiratory equipment is recommended until particulate and vapor concentration has fallen below exposure limits. If monitoring demonstrates levels below TLV and PEL wear a NIOSH/MSHA approved respirator device. See safety equipment supplier for evaluation and recommendation.

Eye/Type:

Splash proof chemical safety goggles or face shield.

Footwear/Type:

Chemically resistant safety shoes or boots.

Clothing/Type: As required to prevent skin contact.

Chemical resistant clothing or apron.
Antistatic clothing.

Other/Type: Eye wash facility should be in close proximity.
Emergency shower should be in close proximity.

Ventilation requirements: Provide sufficient mechanical ventilation to maintain exposure below TLV.
For baking finishes, exhaust vapors emitted during heating. Remove decomposition products formed during welding or flame cutting of surfaces coated with this product.

Section 9 : PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid.

Appearance & odor: Organic odor.
Clear liquid.

Odor threshold (ppm): 3.6 ppm

Vapour pressure (mmHg): 178.4

Vapour density (air=1): Heavier than air.

Volatiles (%) by volume: 100

Evaporation rate (butyl acetate = 1): Slower than ether.

pH: Not available.

Solubility in water (%): Not available.

Coefficient of water\oil dist.: Not available.

VOC: 6.8 lb/gal
815 g/l

Boiling range: 133–293F (56–145C)

Freezing point: Not available.

Weight per Gallon (Specific Gravity): 7.1 (0.85)

Section 10 : STABILITY AND REACTIVITY

Chemical stability: Stable under normal conditions.

Incompatible substances: Acids
Calcium hypochlorite.
Oxygen.
Sodium hypochlorite.
Liquid chlorine.
Alkalies.
Oxidizers.

Hazardous polymerization: Will not occur.

Conditions of instability: High temperatures.
Sparks and open flames.

Hazardous decomposition products: See hazardous combustion products.

Section 11 : TOXICOLOGICAL INFORMATION

Carcinogenic effects: Not available.

Sensitization to product: May cause skin sensitization.
May cause respiratory sensitization.

Teratogenicity: None known.

Reproductive effects: Reproductive effects reported.

Mutagenicity: Mutagenic effects reported.

Exposure limit of material: Not available for mixture, see the ingredients section.

Section 12 : ECOLOGICAL INFORMATION

VOC: 6.8 lb/gal
815 g/l

Ozone Depleters: None

Heavy Metals: None

US Federal Hazardous Air Pollutants: Toluene.

Section 13 : DISPOSAL CONSIDERATIONS

Waste disposal: Dispose of in accordance with the federal, state or provincial and local pollution requirements.
This information applies only to the material as manufacturered; processing, use or contamination may make this information inappropriate, inaccurate or incomplete.
The generator of the waste has the responsibility for proper waste classification, transportation and disposal.
In addition, rags, spray booth filters, paint suits, empty cans, etc., contaminated with product may be hazardous waste. Determine whether contaminated items are hazardous and dispose of as appropriate. Clean preferably with a detergent, avoid the use of solvents.

Other Information: When discarded in their supplied form, these products meet the hazard criteria of "ignitability" and must be considered as hazardous waste D001.

Section 14 : TRANSPORT INFORMATION

Ground Shipments: For inner containers of 5L or less use only proper Akzo Nobel or UN specified outer containers. Positively close all seams. The shipper must be trained and certified to handle hazardous materials in ground transportation (DOT/TDG).
For containers greater than 5L use 1A1 containers.
Proper Shipping Name: Paint Related Material
UN Identification Number: UN1263
Hazard Class or Division: 3
Packaging Group: II
Hazard Label: Flammable liquid.

Ocean Shipments: For inner containers of 5L or less use only proper Akzo Nobel or UN specifiacation containers. Positively close all seams. For containers of over 5L use 1A1 containers. The shipper must be trained and certified to handle hazardous materials in marine transportation (IMO/IMDG).
Proper Shipping Name: PAINT RELATED MATERIAL
UN Identification Number: UN1263
Hazard Class and Division: 3.3
Packaging Group II
Hazard Label: Flammable Liquid
Marine Pollutant: No.
This product has a Hazard Class or Division of 3.2.

Air Shipments: Products of 5L or less must be repackaged for air transportation into UN specification outer packaging designed for transportation by air. The shipper must be trained and certified to ship hazardous materials in air transportation (ICAO/IATA).
Proper Shipping Name: PAINT RELATED MATERIAL
Hazard Class or Division: 3
UN Identification Number: UN1263
Packaging Group: II
Hazard Label: Flammable Liquid
Packaging Instructions Passenger Aircraft (IATA English translation): 305 or Y305
Packaging Instructions Cargo Aircraft (IATA English translation): 307
Special provisions: A3, A7, A72.

Section 15 : REGULATORY INFORMATION

OSHA: This product is considered hazardous under the Federal OSHA Hazard Communication Standard.

WHMIS classification:

B2, D1B, D2B.

SARA Title III

SARA 302: None

Sections 311/312: Immediate (Acute) Health Hazard: Yes.
Delayed (Chronic) Health Hazard: Yes.
Fire Hazard: Yes.

SARA Section 313: Toluene (108–88–3).

TSCA inventory: Appears.

DSL status: Appears on DSL.

CA Proposition 65: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

NFPA:

Section 16 : OTHER INFORMATION

Data prepared by: Conform–Action Data Systems
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Dorval, QC H9P 1J8
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Akzo Disclaimer: Akzo Nobel Coatings Inc. has no oversight with respect to the guidance practices or policies or manufacturing processes of other companies handling or using this material. The information given in this MSDS is only related to the product as shipped in its original condition as described in section 2, "Hazardous Ingredients" and Section 9 "Physical and Chemical Properties".

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