



Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: POLYURETHANE ACTIVATOR
Product code: LK40
Print Date: 11/Jan/2010
Revision Date: 04/Jan/2010
Recommended use: For coating metal containers and similar products.

Company Identification:

The Valspar Corporation
1101 Third Street South
Minneapolis, MN 55415

Manufacturer's Phone: 1 (800) 375-7371

24-Hour Medical Emergency Phone: 1 (888) 345-5732

Supplier:

De Beer Australia Pty Ltd
Unit 11, 8 Kerta Road
Kincumber, NSW, Australia
Phone 02-43684054

Australia Poisons Information Centre 24 hours: 131-126

2. HAZARDS IDENTIFICATION

Classified as hazardous according to criteria of NOHSC.
Classified as DANGEROUS according to the Australian Dangerous Goods Code.

Indication of danger:

Xi - Irritant

Risk Phrases

R10 - Flammable.
R43 - May cause sensitization by skin contact.
R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrase(s)

S24 - Avoid contact with skin.
S37 - Wear suitable gloves.
S23 - Do not breathe gas/fumes/vapour/spray.
S51 - Use only in well-ventilated areas.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient Name CAS-No.	Approx. Weight %	Chemical Name
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1,6-HEXAMETHYLENE DIISOCYANATE BASED ADDUCT 28182-81-2	70-100	HEXANE, 1,6-DIISOCYANATO-, HOMOPOLYMER
n-BUTYL ACETATE 123-86-4	10-30	n-Butyl acetate
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM. 64742-95-6	5-10	Petroleum naphtha, light aromatic
1,2,4-TRIMETHYLBENZENE 95-63-6	1-5	1,2,4-Trimethylbenzene
MESITYLENE 108-67-8	0.2-0.5	1,3,5-Trimethylbenzene
CUMENE 98-82-8	0.2-0.5	Cumene
HEXAMETHYLENE DIISOCYANATE 822-06-0	0.1-0.2	Hexane, 1,6-diisocyanato-

If this section is blank, there are no hazardous components per NOHSC guidelines.

4. FIRST AID MEASURES

General

If symptoms persist, call a physician. Never give anything by mouth to an unconscious person.

Skin:

Take off all contaminated clothing immediately. Wash off immediately with soap and plenty of water. Do NOT use solvents or thinners.

Eyes:

Remove contact lenses. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Keep eye wide open while rinsing.

Inhalation:

Move to fresh air. If victim is unconscious but breathing: Victim to lie down in the recovery position, cover and keep him warm. If not breathing, give artificial respiration. Obtain medical attention.

Ingestion:

Keep at rest. If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting.

5. FIRE FIGHTING MEASURES

Hazchem Code: 3[Y]
Flash point: 29
Lower explosive limit: 1
Upper explosive limit: 8
Autoignition temperature: not determined

The following actions are recommended

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire will produce dense black smoke containing hazardous combustion products (see heading 10).
Wear self contained breathing apparatus for fire fighting if necessary.
Cool containers / tanks with water spray.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media

Suitable extinguishing media

Alcohol-resistant foam

Carbon dioxide (CO₂)

Dry powder

Extinguishing media which must not be used for safety reasons

High volume water jet

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Exclude non essential personnel. Remove all sources of ignition. Ensure adequate ventilation. Do not breathe vapours/dust.

Environmental precautions:

Local authorities should be advised if significant spillages cannot be contained.

Methods for cleaning up:

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Clean with detergents. Avoid solvents.

7. HANDLING AND STORAGE

Handling:

Operators should wear anti-static footwear and clothing. Use only non-sparking tools. Good housekeeping standards and regular safe removal of waste materials will minimise the risks of spontaneous combustion and other fire hazards. Vapours are heavier than air and may spread along floors. Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. Provide adequate ventilation. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard. Preparation may charge electrostatically: always use earthing leads when transferring from one container to another. Keep container tightly closed. Keep away from open flames, hot surfaces and sources of ignition. Avoid contact with skin and eyes. Do not breathe vapours or spray mist. When using, do not eat, drink or smoke. Do not use pressure to empty drums. Store in original container.

Storage:

Containers which are opened must be carefully resealed and kept upright to prevent leakage. Take notice of the directions of use on the label. Keep in a dry, cool and well-ventilated place. Keep away from heat and sources of ignition. Keep away from direct sunlight. Store in a place accessible by authorized persons only. Do not smoke.

Storage temperature:

10 - 30 C

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits:

Australia:

Ingredient Name CAS-No.	Australia OELs - TWA	Australia OELs - STEL	Australia OELs - Skin Designation
n-BUTYL ACETATE 123-86-4	150 ppm TWA 713 mg/m ³ TWA	200 ppm STEL 950 mg/m ³ STEL	
1,2,4-TRIMETHYLBENZENE 95-63-6	123 mg/m ³ , 25 PPM		
MESITYLENE 108-67-8	123 mg/m ³ , 25 PPM		
CUMENE 98-82-8	125 mg/m ³ TWA 25 ppm TWA	375 mg/m ³ STEL 75 ppm STEL	Can be absorbed through the skin

Engineering measures:

During curing, decomposition products may be formed, which should be extracted safely from the work area. Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Basic Personal Protection**Respiration**

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hand protection:

Wear suitable gloves and eye/face protection. Use protective skin cream before handling the product.

Skin:

May cause skin irritation in susceptible persons. May cause sensitization by skin contact. Wear as appropriate: Flame retardant antistatic protective clothing Wear shoes with conductive soles.

Eyes:

Wear as appropriate: Safety glasses with side-shields Goggles

Hygiene measures:

Do not use solvents or thinners to clean skin. When using, do not eat, drink or smoke. Wash hands before breaks and at the end of workday. It is good practice in industrial hygiene to avoid contact with solvents by using appropriate protective measures whenever possible.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	liquid
Vapor pressure:	9.7744361 mmHg @68° F (20° C)
Vapor density (air = 1.0):	4.3
Solubility in water:	not determined
Flash point:	29°C
Boiling point/range	126°C
Specific Gravity	1.06
Evaporation rate (butyl acetate = 1.0):	1

10. STABILITY AND REACTIVITY

Stability:	Unstable
Conditions to avoid:	Stable under recommended storage conditions.
Materials to avoid:	Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.
Hazardous Polymerization:	Hazardous polymerisation may occur.
Hazardous decomposition products:	Hazardous decomposition products may be produced when the recommended processing temperatures or times are exceeded. Carbon monoxide Carbon dioxide (CO ₂) Smoke nitrogen oxides (NO _x)

11. TOXICOLOGICAL INFORMATION**Potential Acute Health Effects:****Eye contact:**

May cause eye irritation.

Skin contact:

May cause allergic skin reaction.

Ingestion:

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Inhalation:

May cause irritation of respiratory tract.

11. TOXICOLOGICAL INFORMATION

Target Organ and Other Health Effects:

Causes headache, drowsiness or other effects to the central nervous system.

Blood disorders

Liver injury may occur.

Kidney injury may occur.

If this section is blank, no information is available.

12. ECOLOGICAL INFORMATION

Air Pollutant

Local pollution requirements may apply to the use of this product. Do not let product enter drains. Do not contaminate surface water.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods:

Do not let product enter drains. Do not contaminate ponds, waterways or ditches with chemical or used container. Where possible recycling is preferred to disposal or incineration. Dispose of as special waste in compliance with local and national regulations.

14. TRANSPORTATION INFORMATION

Australia ADG:

Proper shipping name:	PAINT
UN/ID No:	UN1263
Hazard class:	3
Packing group:	III
Hazchem Code:	3[Y]

IMDG:

Proper shipping name:	PAINT
UN/ID No:	UN1263
Hazard class:	3
Packing group:	III

IATA:

Proper shipping name:	Paint
UN/ID No:	UN1263
Hazard class:	3
Packing group:	III

15. REGULATORY INFORMATION

AICS Australian Inventory:

This product/preparation is in compliances with the Australian Inventory of Chemical Substances (AICS) list.

Label Information:

contains

1,6-HEXAMETHYLENE DIISOCYANATE BASED ADDUCT, HEXAMETHYLENE DIISOCYANATE

Indication of danger:

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**Risk Phrases**

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Sensitising components

HEXAMETHYLENE DIISOCYANATE

16. OTHER INFORMATION

Print Date: 11/Jan/2010

Revision Date: 04/Jan/2010

Abbreviations:

NOHSC - National Occupational Health and Safety Commission, AICS - Australia Inventory of Chemical Substances, EC - European Community, ADR - Australia Code for the Transportation of Dangerous Goods by Road and Rail, IATA - International Air Transport Association, IMDG - International Maritime Dangerous Goods, NA - Not applicable, NOT ESTAB - Not established, N.A.V. - Not available, WT - Weight, mg/m³ - Milligrams per cubic meter, G/L - Grams per liter, MM - Millimeters, MPPCF - Millions of particles per cubic foot, PPM - parts per million, PPT - parts per thousand, TCC/PM - Tag closed cup / Pensky-Martens, PB - Lead, PEL - Permissible exposure level, TWA - Time Weighted Average, STEL - Short term exposure limit, C - Celsius, F - Fahrenheit

Disclaimer:

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